

CITATION: New York University and Bellevue Hospital Medical College
Announcements, [years]. The Lillian and Clarence de la Chapelle Medical Archives,
NYU Health Sciences Libraries.

VOL. XIX

MAY 17, 1919

NO 14.

NEW YORK UNIVERSITY BULLETIN

UNIVERSITY AND BELLEVUE
HOSPITAL MEDICAL COLLEGE

COPYRIGHT STATEMENT: Reproductions are provided for private study, scholarship,
and research uses only, in accordance with the Copyright law (Title 17, United States
Code). Reproductions are the sole and exclusive property of The Lillian and Clarence
de la Chapelle Medical Archives at NYU and may not be reproduced in any fashion or
used for any purpose other than private scholarship without the express written consent
of The Lillian and Clarence de la Chapelle Medical Archives at NYU.

ANNOUNCEMENTS FOR THE YEAR
1919-1920

SESSION OPENS SEPTEMBER 17, 1919

EMORY UNIVERSITY
THE A. W. CALHOUN MEDICAL LIBRARY

EMORY
190
A-
92-919

Published Monthly December-February: Weekly,
March-May

OFFICE OF PUBLICATION, 225 NORTH FOURTH ST., COLUMBUS, OHIO,
and 150 Made Street, Jersey City, N. J.

Editorial Office, University Building, Washington Square, New York.
Entered at the Columbus, Ohio, Post Office January 10, 1919, as second-class
matter under Act of July 16, 1894.

The College Book Room

Text books used in the different courses change from year to year. Books recommended may be obtained in the College Book Room which is run for the convenience of the students. The proceeds from the sale of books are applied to the Library Fund and are used for the purchase of books of reference for the use of the faculty and students.

Correspondence

It would be to the advantage of students if they would register a few days in advance of the opening exercises, secure boarding places, and purchase books, so that their studies may not be interrupted in the beginning. The office is open daily from 9 A. M. to 5 P. M.

Letters requesting information should be addressed to

JOHN WYCKOFF, M. D., Secretary,
University and Bellevue Hospital Medical College,
26th Street and First Avenue
New York, N. Y.

Board

Information as to board may be obtained from the secretary of the Intercollegiate Young Men's Christian Association, 129 Lexington Avenue.

NEW YORK UNIVERSITY
ARCHIVES
SCHOOL OF MEDICINE

ARCHIVES

001

A

1919-20

ARCHIVES

001

A

1919-20

NEW YORK UNIVERSITY

UNIVERSITY AND BELLEVUE
HOSPITAL MEDICAL COLLEGE

BULLETIN SERIES

VOL. XIX, No. 14, DATED MAY 17, 1919

CONTENTS

	Page
ADMISSION REQUIREMENTS	
Medical College	24
Medical Preparatory Course	75
Advanced Standing	27
ADVANCEMENT IN COURSE, REQUIREMENTS FOR	28
ALUMNI SOCIETY	89
BELLEVUE HOSPITAL	23
BOARD	Cover
CALENDAR	
Medical College	3
Medical Preparatory Course	76
CARNEGIE LABORATORY	21
CLINICAL DEPARTMENTS	15
CLINICAL FACILITIES	67
COLLEGE BOOK ROOM	Cover
COLLEGE BUILDINGS	20
COLLEGE CLINIC	22
COLLEGE CLINIC OPERATING ROOM	23
COLLEGE AND MEDICAL COURSE	25
Combined	25
CORRESPONDENCE	Cover
CORRESPONDENCE COURSE IN PUBLIC HEALTH	61
Residence Week	62
Examinations	62
Fees	63
COURSE OF STUDY	33
Anatomy	35
Applied Pathology and Clinical Microscopy	43
Bacteriology and Hygiene	44
Chemistry	38
Dermatology and Syphilology	56
Gynæcology	53
Laryngology and Rhinology	59
Materia Medica and Pharmacology	39
Medicine	45
Neurology	55
Obstetrics	51
Ophthalmology	56
Otology	58
Pathology	41
Pathological Chemistry	60
Pediatrics	54
Physiology	36

Psychiatry	55
Roentgen-Ray Technique	51
Surgery	47
Therapeutics	40
EDWARD N. GIBBS MEMORIAL X-RAY LABORATORY	23-67
EXAMINATION RULES	29
FACULTY	6
FEES	30
Medical College	30
Regular Students	30
Special Students	32
Medical Preparatory Course	76
Public Health and Sanitation	61
Correspondence Course	61
Summer Residence Course	63
GRADUATE COURSES	63
Anatomy	63
Bacteriology	66
Chemistry	63
Pathology	64
Pathological Physiology	65
Pharmacology and Applied Therapeutics	63
Physiology	64
Surgery	64
GRADUATION, REQUIREMENTS FOR	30
HEYER RECOVERY WARD	23
HOSPITAL APPOINTMENTS	73
MATRICULATION	
Medical College	24
Medical Preparatory Course	76
MEDICAL EXAMINATIONS	74
MEDICAL PREPARATORY COURSE	75
PUBLIC HEALTH AND SANITATION	60
PRIZES	72
SCHOLARSHIPS	73
STATE REQUIREMENTS OF HIGHER PRELIMINARY EDUCATION	26
STUDENTS, 1918-1919	77
SUMMARY OF STUDIES	34
SUMMER RESIDENCE COURSE IN PUBLIC HEALTH, JUNE 9-	
JULY 19	63
SPECIAL COURSES	59

Officers of Administration

ELMER ELLSWORTH BROWN, Ph.D., LL.D.

Chancellor of the University

FRANK ANDREWS FALL, A.M., Litt.D.

Bursar of the University

MILTON EARLY LOOMIS, A.M.

Registrar of the University

MARSHALL STEWART BROWN, A.M.

Dean of the Faculties

*SAMUEL ALBERTUS BROWN, M.D.

Dean of the Medical Faculty

*JOHN WYCKOFF, M.D.

Secretary of the Medical Faculty

EDITH RICE CROSSLAND

Clerk of the Medical Faculty

Emeritus Faculty

*EDWARD KELLOGG DUNHAM, M.D.

Emeritus Professor of Pathology

CARLOS FREDERICK MACDONALD, A.M., M.D.

Emeritus Professor of Mental Diseases and Medical Jurisprudence

*HENRY CLARKE COE, A.M., M.D., M.R.C.S.

Emeritus Professor of Gynecology

BEVERLY ROBINSON, A.M., M.D.

Emeritus Clinical Professor of Medicine

Faculty

HERMANN MICHAEL BIGGS *Professor of Medicine*

A. B., Cornell; M. D., New York University; LL. D. (Honorary), New York University.

Consulting Physician, Bellevue Hospital, St. Vincent's Hospital, Riverside Hospital.

AUSTIN FLINT

Professor of Obstetrics; Clinical Professor of Gynecology

M. D., New York University; A. M. (Honorary), Princeton; F. A. C. S.; Visiting Obstetrician, Bellevue Hospital; Consulting Surgeon, Woman's Hospital and Visiting Obstetrician, Manhattan Maternity Hospital and Dispensary

GEORGE DAVID STEWART

Professor of Surgery

M. D., New York University; F. A. C. S.

Director of Surgical Service, Third Division, Bellevue Hospital

Visiting Surgeon, St. Vincent's Hospital; Consulting Surgeon, Englewood Hospital

*In service

JOHN ALFRED MANDEL

Sc. D., New York University

Professor of Chemistry

WILLIAM HALLOCK PARK

Professor of Bacteriology and Hygiene

A. B., College of the City of New York; M. D., Columbia University

LL. D. (Honorary), Queen's University, Canada

Director of the Research Laboratories, Department of Health, City of New York; Attending Bacteriologist, Willard Parker Hospital.

*GEORGE BARCLAY WALLACE

Professor of Pharmacology

M. D., University of Michigan.

Assistant Visiting Physician, Bellevue Hospital.

HOLMES CONDUCT JACKSON

Professor of Physiology

Ph. B., Ph. D., Yale University

HAROLD DICKINSON SENIOR

Professor of Anatomy

M. D., Durham; F. R. C. S., England; Sc. D. (Honorary), Syracuse University

*SAMUEL ALBERTUS BROWN

Dean; Professor of Therapeutics

M. D. New York University

Visiting Physician Bellevue Hospital; Consulting Physician, New Rochelle Hospital and New York State Hospital for Crippled Children, Hackensack

EDWARD DIX FISHER

Professor of Mental and Nervous Diseases

A. B., College of the City of New York; M. D., New York University

Alienist and Neurologist, Bellevue Hospital; Consulting Neurologist, St. Vincent's, Manhattan State and Flushing Hospitals.

WILLIAM PERRY NORTHRUP

Professor of Pediatrics

A. B., A. M., Hamilton College; M. D., Columbia University

Visiting Pediatrician, Presbyterian Hospital

*EDWARD BRADFORD DENCH

Professor of Otolaryngology

Ph. B., Yale; M. D., Columbia University; F. A. C. S.

Attending Otolaryngological Surgeon, New York Eye and Ear Infirmary; Consulting and attending Otolaryngologist, St. Luke's Hospital. Consulting Otolaryngologist, N. Y. Neurological Institute and the New York Orthopedic Dispensary and Hospital.

REGINALD HALL SAYRE

Professor of Orthopedic Surgery

A. B., Columbia University; M. D., New York University; F. A. C. S.

Consulting Surgeon, St. Vincent's Hospital, Hackensack Hospital; Hospital for Crippled Children, Newark; Mountainside Hospital; Flushing Hospital; New York State Orthopedic Hospital; Assistant Attending Surgeon, Bellevue Hospital

*LOUIS ANATOLE LAGARDE

Professor of Military Surgery

M. D., New York University

Colonel, Medical Corps, United States Army

JOHN ELMER WEEKS

Professor of Ophthalmology

M. D., Sc. D., University of Michigan

Attending Surgeon in Ophthalmology, New York Eye and Ear Infirmary

*In service

ALFRED TOWNSEND OSGOOD *Professor of Genito-Urinary Surgery*
M. D., Columbia University
Associate Visiting Urologist, Bellevue Hospital

*HARLOW BROOKS *Professor of Clinical Medicine*
M. D., University of Michigan
Visiting Physician, City Hospital and Montefiore Home; Consulting Physician,
Ossining, Greenwich, New London, St. Mary's, Hoboken, Beth-Israel and
Union Hospitals

WILLIAM BURWELL TRIMBLE
Professor of Dermatology and Syphilology
M. D., New York University
Visiting Physician, New York Skin and Cancer Hospital

Professor of Gynecology

LEE MAIDMENT HURD *Professor of Laryngology*
M. D., Columbia University; F. A. C. S.
Visiting Laryngologist, New York Throat and Nose Hospital, Assistant At-
tending Laryngologist and Otolgologist, Bellevue Hospital

WILLIAM CHITTENDEN LUSK *Professor of Clinical Surgery*
A. B., Yale University; M. D., New York University
Assistant Visiting Surgeon, Bellevue Hospital; Consulting Surgeon, St. Vincent's
Hospital; Consulting Surgeon on Rectal Diseases, Manhattan State Hospital

DOUGLAS SYMMERS *Professor of Pathological Histology and Anatomy*
M. D., Jefferson Medical College
Director of Laboratories, Bellevue Hospital; Pathologist, St. Vincent's Hospital;
Consulting Pathologist to Department of Health, City of New York

*LEON THEODORE LE WALD *Professor of Roentgenology*
M. D., Columbia University, F. A. C. P.
Director of the Edward N. Gibbs Memorial X-Ray Laboratory and of the
Roentgen Department, St. Luke's Hospital; Consulting Roentgenologist,
Vassar Hospital and Willard Parker Hospital

*MENAS S. GREGORY *Professor of Mental Diseases*
M. D., Albany Medical College
Chief Alienist and Director, Psychopathic and Alcoholic Wards, Bellevue
Hospital, Visiting Psychiatrist, New York Post-Graduate Hospital

ROWLAND GODFREY FREEMAN *Adjunct Professor of Pediatrics*
A. B., M. D., Columbia University
Pediatrist, Roosevelt Hospital; Attending Pediatrist, New York Nursery and
Child's Hospital.

FREDERICK WILBUR THYNG *Associate Professor of Anatomy*
A. B., Colby College; A. M., Ph. D., Tufts College

*In service

*ROBERT JAMES CARLISLE *Assistant Professor of Medicine*
M. D., New York University
Visiting Physician, Bellevue Hospital

ARTHUR RUDOLPH MANDEL *Assistant Professor of Clinical Pathology*
M. D., New York University
Assistant Visiting Physician and Clinical Pathologist, St. Vincent's Hospital

ALEXANDER OSCAR GETTLER *Assistant Professor of Chemistry*
Sc. B., College of the City of New York; M. A., Ph. D., Columbia University
Pathological Chemist, Bellevue Hospital

CHARLES KRUMWIEDE, JR. *Assistant Professor of Bacteriology and Hygiene*
A. B., M. D., Columbia University
Assistant Director, Research Laboratories, Department of Health, City of
New York

ROBERT JUSTICE WILSON *Assistant Professor of Bacteriology*
Sc. B., Oregon Agricultural College; M. D., New York University
Director, Bureau of Hospitals, Department of Health, City of New York

*EMIL JOHN PELLINI *Assistant Professor of Pharmacology*
M. D., New York University

ALEXANDER FRASER *Assistant Professor of Pathology*
A. B., M. D., Dalhousie University
Pathologist, St. Vincent's Hospital

WARREN COLEMAN, *Assistant Professor of Medicine*
M. D., New York University
Visiting Physician, Bellevue Hospital

WILLIS CLARKE NOBLE, JR. *Assistant Professor of Hygiene*
Ph. B., Ph. D., Yale University

JESSE LE ROY CONEL *Assistant Professor of Anatomy*
Ph.D., University of Illinois

EBEN FOSKETT *Clinical Professor of Gynecology*
M. D., New York University; F. A. C. S.
Assistant Visiting Gynecologist, Bellevue Hospital

*CHARLES EDWIN PERKINS *Clinical Professor of Otolgology*
M. D., Columbia University, F. A. C. S.
Associate Aural Surgeon, St. Luke's Hospital
Assistant Surgeon in Otolgology, New York Eye and Ear Infirmary

CHARLES ELIHU QUMBY *Clinical Professor of Medicine*
M. D., New York University
Visiting Physician, City Hospital; Visiting Surgeon, City Hospital

HERMAN ARTHUR HAUBOLD *Clinical Professor of Surgery*
M. D., New York University
Visiting Surgeon, Harlem Hospital; Consulting Surgeon, Nassau, Mineola,
and Memorial (New London) Hospitals

JOHN DOUGLAS *Clinical Professor of Surgery*
Sc. B., College of the City of New York; M. D., Columbia University
Visiting Surgeon, Bellevue Hospital; Associate Visiting Surgeon, St. Luke's
Hospital; Consulting Surgeon, Englewood Hospital

*In service

- *ARTHUR MULLIN WRIGHT** *Clinical Professor of Surgery*
A. B., M. D., Cornell University
Assistant Visiting Surgeon, Bellevue and St. Vincent's Hospitals
- THOMAS ALLISON SMITH** *Clinical Professor of Surgery*
M. D., Columbia University; F. A. C. S.
Visiting Surgeon, Bellevue Hospital; Attending Surgeon, Willard Parker Hospital
- *THEODORE JACOB ABBOTT** *Clinical Professor of Medicine*
A. B., Harvard University; M. D., Columbia University
Visiting Physician, Bellevue Hospital
- ISAAC LEVIN** *Clinical Professor of Cancer Research*
M. D., St. Petersburg
Chief of Cancer Research, Montefiore Home
- *WILLIAM EDGAR CALDWELL** *Clinical Professor of Obstetrics*
M. D., New York University
Assistant Visiting Obstetrician, Bellevue Hospital; Chief of Staff, Nursery and Child's Hospital
- *WILLIAM MILLER FORD** *Clinical Professor of Obstetrics*
M. D., University of Virginia; F. A. C. S.
Assistant Visiting Surgeon, St. Vincent's and Manhattan Maternity Hospitals
- *LEWIS KNODE NEFF** *Clinical Professor of Medicine*
M. D., New York University
Director, Medical Service, Harlem Hospital; Visiting Physician, Park Hospital
- *WILLIAM HENRY LUCKETT** *Clinical Professor of Surgery*
M. D., Columbia University; F. A. C. S.
Director of Surgical Service, Harlem Hospital
- MORRIS MANGES** *Clinical Professor of Medicine*
M. D. Columbia University
Attending Physician Mount Sinai Hospital
- *ALFRED MEYER** *Clinical Professor of Medicine*
A. B., M. D., Columbia University
Attending Physician, Mount Sinai Hospital; Consulting Physician, Bedford Sanatorium, Montefiore Home, Sprain Ridge Hospital, Yonkers, National Jewish Hospital for Consumptives, Denver, Colo.
- CHARLES ALBERT ELSBERG** *Clinical Professor of Surgery*
A. B., College of the City of New York; M. D., Columbia University
Attending Surgeon, Mount Sinai Hospital; Neurological Surgeon, Montefiore Home and Central Neurological Hospital; Consulting Surgeon, Manhattan State Hospital
- ISIDOR ABRAHAMSON** *Clinical Professor of Neurology*
Sc. B., College of the City of New York; M. D., Columbia University
Associate Neurologist, Montefiore Home
- MAURICE FISHBERG** *Clinical Professor of Medicine*
M. D., New York University
Attending Physician, Montefiore Home

*In service

- PHILIP WILLIAM NATHAN** *Clinical Professor of Orthopedic Surgery*
M. D., New York University
Attending Orthopedic Surgeon, Mount Sinai Hospital and Montefiore Home
- *CHARLES GOODMAN** *Clinical Professor of Surgery*
M. D. Western Reserve University; F. A. C. S.
Attending Surgeon, Beth-Israel Hospital and Montefiore Home
- MATTHIAS NICOLL, JR.** *Clinical Professor of Infectious Diseases*
A. B., Williams College; M. D., Columbia University
Attending Physician, Willard Parker Hospital
- ALFRED FABIAN HESS** *Clinical Professor of Pediatrics*
A. B., Harvard University; M. D., Columbia University
Attending Pediatric, Beth-Israel Hospital; Visiting Physician, Home for Hebrew Infants and Willard Parker Hospital
- WILLIAM JOSEPH PULLEY** *Clinical Professor of Medicine*
M. D., New York University
Visiting Physician, Riverside Hospital; Adjunct Assistant Physician, Bellevue Hospital
- JOHN MCCOY** *Clinical Professor of Laryngology*
M. D., Columbia University
Attending Surgeon in Otolaryngology, New York Eye and Ear Infirmary
- HENRY WEITZELL WANDLESS** *Clinical Professor of Ophthalmology*
M. D., College of Physicians and Surgeons, Baltimore
Consulting Ophthalmologist, Mercy Hospital, Hempstead, L. I.
- WALTER CONCENMORE CRAMP** *Clinical Professor of Surgery*
A. B., Colgate University; M. D., Columbia University; F. A. C. S.
Assistant Visiting Surgeon, Bellevue, St. Francis and Willard Parker Hospitals
- *JOHN C. MCCOY** *Clinical Professor of Surgery*
M. D., Columbia College of Physicians and Surgeons
Visiting Surgeon, Paterson General Hospital
- *JAMES FRANKLIN NAGLE** *Clinical Professor of Medicine*
M. D., New York University,
Assistant Visiting Physician, Bellevue Hospital
- JOHN THOMAS JOSEPH BIRD** *Clinical Professor of Medicine*
M. D., New York University
Visiting Physician, Harlem Hospital
- EDMUND P. SHELBY** *Clinical Professor of Medicine*
M. D., New York University
Visiting Physician, City Hospital
- RICHARD EWELL BROWN** *Clinical Professor of Obstetrics*
M. D., New York University
Visiting Obstetrician, Manhattan Maternity Hospital and Dispensary
- *JOHN HENRY WYCKOFF** *Clinical Professor of Medicine*
M. D., New York University
Assistant Visiting Physician, Bellevue Hospital
- *JOHN WILLIAM DRAPER** *Associate in Experimental Surgery*
M. D., New York University; F. A. C. S.
Assistant Surgeon, Polyclinic Hospital

*In service

Lecturers

- SIMON RISEFELD BLATTEIS *Medicine*
M. D., New York University
Consulting Pathologist and Attending Physician, Jewish Hospital, Brooklyn
- JAMES TEN BROECK BOWLES *Hygiene and Sanitation*
Ph. C., Sc. B., University of Michigan
- JOSEPH COLEMAN *Laryngology*
M. D., University of Maryland
Assistant Visiting Laryngologist, New York Eye and Ear Infirmary
- CHARLES BATES DUNLAP *Neuro-Pathology*
A. B., A. M., M. D., Harvard University
Chief Associate in Neuro-Pathology, New York State Psychiatric Institute
- ARTHUR JOHN HUEY *Laryngology*
M. D., New York University
Attending Laryngologist, Riverside Hospital; Consulting Laryngologist and
Otolgologist, United States Public Health Service
- LUTHER BURNS MACKENZIE *Medicine*
A. B., Dalhousie University; M. D., New York University
Assistant Visiting Physician, Bellevue Hospital
- EDWARD SHEARMAN MCSWEENEY *Management of Tuberculosis Institutions*
M. D., New York University
Formerly Medical Superintendent, Sea View Hospital
- MARCUS NEUSTAEDTER *Nervous Diseases*
M. D., Ph. D., New York University
- WILLIAM ARCHER PURRINGTON *Law in Relation to Medical Practice*
A. B., Harvard University, LL. B.; George Washington University; LL. B.;
New York University; LL. M., George Washington University
- *FREDERICK WALTER RICE *Obstetrics*
M. D., Columbia University
Adjunct Assistant Obstetrician, Bellevue and Manhattan Maternity Hospitals
- JOHN JOSEPH ROTHWELL
M. D., New York University
Assistant Physician, New York Skin and Cancer Hospital
- EUGENE FAIRCHILD RUSSELL *Life Insurance Examination*
A. B., M. D., New York University
- *FRANK GEORGE SCHAIBLE *Clinical Pathology*
M. D., Union University
- WILLIAM STEINACH *Nervous Diseases*
A. B., College of the City of New York; M. D., Columbia University
Visiting Neurologist, City Hospital
- ARTHUR GAETANO KEANE *Clinical Lecturer on Surgery*
M. D., New York University

*In service

Instructors

- WILLIAM EDWARD BAILEY, M.B., Sc.B., C.M. *Genito-Urinary Surgery*
- WILLIAM HOWARD BARBER, A.B., M.D., F.A.C.S. *Surgery*
- DAVID NYE BARROWS, M.D. *Gynecology*
- WILLIAM HENRY BOESE, A.B., M.D. *Medicine*
- STANLEY BRADY, A.B., M.D. *Pediatrics*
- *GEORGE FRANCIS CAHILL, M.D. *Surgery*
- *JOHN H. CARROLL, M.D. *Medicine*
- GEORGE AUGUSTUS CHERRY, M.D. *Dermatology*
- *EDWARD GRAHAM CLIFTON, M.D. *Bacteriology*
- LAMONT H. FISHER, M.D. *Medicine*
- *JOHN FRANK FRASER, M.D. *Pathology*
- FREDERICK C. FREED, M.D. *Obstetrics*
- EMANUEL DAVID FRIEDMAN, Sc.B., M.D. *Medicine*
- ISADORE HARRY GOLDBERGER, M.D. *Pediatrics*
- WALTER WILSON GRIFFIN, M.D. *Surgery*
- *HUBERT VIVIAN GUILLE, M.D. *Medicine*
- *CLEMENT JACOB HAILPERIN, M.D. *Dermatology*
- *WINFRED MORGAN HARTSHORN, A.B., M.D. *Pediatrics*
- *JAMES P. HENNESSY, M.D. *Gynecology*
- *EDWIN WILSON HOLLADAY, A.B., M.D. *Gynecology*
- *JAMES PETER HUNT, M.D. *Tuberculosis*
- SERGIVS MICHAIOVITCH INGERMAN, M.D. *Ophthalmology*
- HAROLD CARLTON INGRAHAM, M.D. *Obstetrics*
- *GEORGE W. JEAN, M.D. *Ophthalmology*
- ALFRED KAHN, M.D. *Otology*
- HENRY J. KELLER, M.D. *Orthopedic Surgery*
- BEN WITT KEY, A.B., M.D. *Ophthalmology*
- *EDWARD KING, M.D. *Surgery*
- *GEORGE AUGUST KOENIG, M.D. *Surgery*
- *MEYER J. KUTISKER, M.D. *Surgery*
- LOUIS CHARLES LANGE, M.D. *Operative Surgery*
- *OSWALD S. LOWSLEY, M.D. *Genito-Urinary Surgery*
- JOSEPH EDWARD LUMBARD, M.D. *Anesthesia*
- CLYDE ELLIOTT MCDANNALD, M.D. *Ophthalmology*
- JOHN FRANCIS McGRATH, M.D. *Gynecology*
- WALTER H. McNEILL, JR., M.D. *Genito-Urinary Surgery*
- LUCY MISHULOW, A.B. *Bacteriology*
- RALPH WENDELL MITCHELL, A.B., M.D. *Pediatrics*

*In service.

JOSEPHINE MUNSON, A.B.	Chemistry
JOHN NELSON, M.D.	Surgery
JOHN JOSEPH NUTT, M.D.	Orthopedic Surgery
JOSEPH O'DWYER, M.D.	Intubation
HARRY EPHRAIM PLUMMER, M.D.	Genito-Urinary Surgery
PRO. V PREWITT, A.M.	Physiology
FLOYD CHRISMAN RAYMOND, PH.G.	Pharmacy
*ARTHUR M. REICH, M.D.	Gynecology
*EDWARD JOHN RILEY, M.D.	Medicine
*LOUIS BERTRAM SACHS, M.D.	Pediatrics
GEORGE REESE SATTERLEE, A.M., M.D.	Medicine
MAY C. SCHROEDER, M.D.	Hygiene
*LOUIS L. SHAPIRO, M.D.	Medicine
IRWIN SIRIS, M.D.	Operative Surgery
*GEORGE NORBERT SLATTERY, A.B., M.D.	Medicine
FRANCIS W. SOVAK, M.D.	Gynecology
BENJAMIN SPECTOR	Anatomy
*ALEXANDER RAYMOND STEVENS, A.B., M.D.	Genito-Urinary Surgery
GEORGE REILLEY STUART, M.D.	Dental Anatomy
MILLS STURTEVANT, A.B., M.D.	Medicine
*A. B. TIMM, A.B., M.D.	Gynecology
*CORNELIUS JOHN TYSON, M.D.	Medicine
*ROBERT PELTON WADHAMS, PH.B., M.D.	Surgery
*WEBB WILLIAM WEEKS, M.D.	Ophthalmology
CHARLES WHEELER WALKER, SC.B., M.D.	Surgery
FILIP JOHAN WETTERVIK, M.D.	Orthopedic Surgery
ISADORE KALISCH WIENER, M.D.	Otology
*CHARLES MALLORY WILLIAMS, PH.B., M.D.	Dermatology
*ABRAHAM ZINGHER, M.D.	Bacteriology
Assistants	
FRANK W. ASH, M.D.	Anatomy
JOSEPH BENDETSON	Anatomy
JOSEPH E. CONNERY, M.D.	Clinical Pathology
BENAJMIN DUBOVSKY, M.D.	Clinical Pathology
HARRY B. EISBERG, M.D.	Dental Anatomy
SAMUEL GROSS, M.D.	Pediatrics
*ISADORE JESSE LEVY, PH.B., M.D.	Clinical Medicine
*WILLIAM CARUTH MAC TAVISH	Chemistry
JOSEPH M. MORSE, M.D.	Pediatrics

*In service.

CONSTANTINE LUTHER AMBROSE ODÉN, SC.B.	Physiology and Pharmacology
JOHN E. SAWHILL, M.D.	Medicine
ROYAL SENGSTACKEN, M.D.	Surgery
RUTH A. THOMAS, A.B.	Bacteriology
EDWARD G. PFEIFFER	Technician in Pathology
MARION C. HOFFMAN	Technician in Anatomy
MATTHEW W. SZATKOWSKI	Superintendent of Buildings

THE COLLEGE CLINIC

Department of Medicine

Chiefs of Clinic

W. J. Pulley, M.D.	*E. J. Riley, M.D.
--------------------	--------------------

Attending Physicians

L. H. Fisher, M. D.	W. H. Boese, M.D.
I. Margretten, M. D.	M. Barshak, M.D.
T. B. Weinberg, M. D.	S. Gross, M.D.

Assistant Attending Physician

*S. Danzer, M.D.

Department of Surgery

Chiefs of Clinic

W. Howard Barber, M.D.	John Nelson, M.D.
------------------------	-------------------

Attending Surgeons

I. C. Eisenberg, M.D.	*W. H. Egan, M.D.
*George A. Koenig, M.D.	Walter W. Griffin, M.D.
H. Bick, M. D.	M. M. Stark, M.D.

Assistant Attending Surgeons

H. B. Eisberg, M.D.	B. Dubovsky, M.D.
	*M. J. Kutisker, M.D.

Department of Gynecology

Chief of Clinic

Eben Foskett, M.D.

Attending Gynecologists

*A. B. Timm, M.D.	F. W. Sovak, M.D.
-------------------	-------------------

*In service.

Assistant Attending Gynecologist

William M. Higgins, M.D.

Department of Diseases of Children*Chief of Clinic*

Stanley Brady, M.D.

Attending Physicians

Ralph W. Mitchell, M.D.

*Louis B. Sachs, M.D. I. H. Goldberger, M.D.
J. M. Morse, M.D. *Max J. Schroeder, M.D.

Assistant Attending Physicians

Samuel Gross, M.D. George E. Lemmer, M.D.

Social Service Nurse

Miss Eleanor Ketcham, R.N.

Department of Neurology*Attending Neurologists*

Marcus Neustaedter, M.D., Ph.D. William Steinach, M.D.

Masseuse

Miss Helen Hilf

Department of Laryngology*Chiefs of Clinic*

John McCoy, M.D. A. J. Huey, M.D.

Attending Laryngologists

Joseph Coleman, M.D. L. F. Sturges, M. D.

Assistant Attending Laryngologists

C. F. Walter, M.D. C. A. Mack, M.D.
B. Dubovsky, M.D. E. S. Pope, M.D.

M. M. Fladen, M. D.

Clinical Assistant

Mark J. Gottlieb, M.D.

Department of Dermatology and Syphilology*Chief of Clinic*

John J. Rothwell, M.D.

*In service

Attending Dermatologists

*Clement J. Hailperin, M.D. George A. Cherry, M.D.
J. H. O'Connor, M.D.

Assistant Attending Dermatologists

*Charles M. Williams, M.D. *J. F. Fraser, M.D.
Paul E. Bechet, M.D. *Marie LeFort, M.D.
Homer F. Marsh, M.D. Edward R. Maloney, M.D.
William B. Long, M.D. Edward H. Marsh, M.D.
I. Apfelberg, M. D.

Clerk

Réna A. Glogau

Technician

Ruth Berlfein

Department of Genito-Urinary Diseases*Chief of Clinic*

W. E. Bailey, M.B., B.Sc. (Edin.)

Attending Surgeon

Harry E. Plummer, M.D.

Assistant Attending Surgeons

B. Davidson, M.D. John H. O'Connor, M.D.
H. Hausman, M.D. I. Apfelberg, M.D.
*George Ginsberg, M.D.

Nurse

A. A. Carrillo

Department of Ophthalmology*Chief of Clinic*

Henry W. Wandless, M. D.

Attending Ophthalmologists

S. Ingerman, M.D. Ben Witt Key, M.D.
C. E. McDannald, M.D. *George W. Jean, M.D.

Department of Otology*Chief of Clinic*

*Charles E. Perkins, M.D.

*In service

Attending Otologists

Alfred Kahn, M.D. I. Wiener, M.D.

Assistant Attending Otologist

*L. K. Graves, M.D.

Clinical Assistant

*W. J. Cranston, M.D.

Department of Diseases of the Rectum*Chief of Clinic*

E. I. Huppert, M.D.

Assistant Attending Surgeon

M. L. Goodman, M.D.

Department of Orthopedic Surgery*Chief of Clinic*

Filip J. Wettervik, M.D.

Attending Surgeons

Henry Keller, M.D. John J. Nutt, M.D.

Clinical Assistant

Howard D. Urquhart, M.D.

Masseuse

Miss Eleanor Kearney

Masseur

T. A. Melander

Clerk

Miss Kate Keenly

College Clinic Operating Room*Executive Surgeon*

Lee M. Hurd, M.D.

Department of Roentgenology*Director*

Leon Theodore LeWald, M.D.

Technician

Miss Florida Wyble

Assistant Technician

Miss Katherine Kern

*In service

Apothecary

F. C. Raymond

Assistant Apothecary

F. D. Lurch

Head Nurse and Registrar

Mrs. A. E. Graham

Nurses

Miss L. G. Jones

Miss Norah Eamon

Clerks

Miss E. P. Carrel

Miss Mae Paris

Mrs. J. McAllister

Miss Marie Sundré

Miss E. A. Kavanagh

Women's Auxilliary

Mrs. Hugh Minturn, *Chairman*

Mrs. William H. Appleton, *Secretary*

Mrs. William H. Appleton

Mrs. John B. Morris

Miss Elizabeth Chapin

Mrs. Grosvenor Nicholas

Miss Garetta Reboul

Mrs. Carl A. Reimer

Mrs. Frank L. Crocker

Miss Muriel Winthrop

Miss Mary Martin

Miss Evelyn Smith

Mrs. Henry V. Poor

Mrs. de Forest Hicks

Miss Elizabeth Howard

General Announcement

The University and Bellevue Hospital Medical College was established in its present form and became an integral part of New York University in 1898 by the union of the University Medical College and Bellevue Hospital Medical College. The former was founded in 1841 and the latter in 1861.

The graduates of the former colleges, as well as graduates of the present consolidated college, have been placed on the records of New York University and are entitled to all the advantages of University alumni.

The curriculum has been arranged so as to present a carefully graded course of four years. The work of each year is thoroughly systematized, and correlated subjects are taken up in their proper order. The advantage of a close personal relationship between the members of the faculty and the individual members of the classes is recognized and the instruction is so arranged that this relationship may be established to the fullest extent possible.

Clinical and bedside teaching in the college clinic and in the wards of the hospital, systematic section teaching in the practical departments and practical work in the special subjects are emphasized to the greatest possible degree, being conjoined with, and founded upon, practical laboratory work, recitations, and didactic teaching. Attention is especially called to the arrangement of the work in the fourth year of the course, which has for its object more definite clinical instruction in all branches of medicine at a time when the students are best prepared to receive it. The arrangement also permits of a wider use of the hospital facilities of the city.

The college occupies at present four large buildings situated on the corner of First Avenue and Twenty-sixth Street, diagonally opposite the entrance of Bellevue Hospital.

I. College Building

This building was erected by the faculty of the Bellevue Hospital Medical College in 1897 and 1898 to meet the demands for the larger classes and the increase in the curriculum. It was transferred to New York University at the time of the consolidation of the two schools.

It is situated on the corner of First Avenue and Twenty-sixth Street and adjoins the Carnegie Laboratory and the New Laboratory Building with which it is connected. The site is particularly fortunate, as it is well lighted both from the avenue and Twenty-sixth Street. It is diagonally opposite the grounds of Bellevue Hospital and convenient to the pier of the Department of Charities, at the foot of

East Twenty-sixth Street, from which boats connect the city with the large institutions on Blackwell's, Ward's and Randall's Islands.

The building is six stories high. The ground floor accommodates part of the college clinic for the outdoor sick poor. The second and third floors are occupied by two large and well-lighted lecture rooms.

The department of pathology occupies the fourth floor. It contains research laboratories, balance rooms and a laboratory for research work in pathological chemistry, also a pathological museum which is open to students and to graduates in medicine. Working libraries form portions of the equipment in all of the laboratory departments and are accessible to the students. Adjoining the department of pathology are the laboratories of bacteriology and hygiene, fully equipped for the teaching and research work of students in this department. The completion of the extension of the Carnegie Laboratory allowed of increased facilities in these departments which have always been prominent features in the instruction of the third and fourth years. Students of the third and fourth year classes have regularly assigned work in this laboratory and are thoroughly trained in the methods of clinical diagnosis by the examination of specimens sent from the College Clinic, and the services of the college in Bellevue Hospital.

The department of physiology occupies the fifth floor. The completion of the New Laboratory Building allowed of the enlargement of the general laboratory which has been equipped with new tables and apparatus for the use of the students in the courses of practical physiology.

The anatomical department occupies the top floor, having a spacious, well-lighted and ventilated dissecting room. There is also a room for the preparation and distribution of bones.

II. Carnegie Laboratory

The Carnegie Laboratory, a gift to the Bellevue Hospital Medical College by Mr. Andrew Carnegie, is situated at Nos. 338 and 340 East Twenty-sixth Street, adjoining and communicating with the college building.

It is a five-story building devoted to investigation in anatomy and instruction in applied anatomy and operative surgery. There is one large auditorium for didactic teaching; also a well-equipped library for the use of students and the dean's office.

III. Carnegie Laboratory Extension

The Carnegie Laboratory Extension, a more recent gift of Mr. Carnegie, was completed in 1910. The building is six stories

high and fronts on First Avenue, adjoining the present clinic buildings on the south. It contains research rooms and laboratories for chemistry, bacteriology and hygiene, pathology, physiology, pharmacology and surgical research. The addition of this building permits the extension of work in all the laboratory departments, both teaching and research.

IV. New Laboratory Building

The New Laboratory Building is a six-story edifice adjoining and harmonizing in its architecture with the main college building. It furnishes needed accommodations for the increasing number of students, and renders possible a further extension and elaboration of the laboratory work.

The first and second floors are occupied by an extension of the College Clinic. This gives greatly needed room for the treatment of the sick poor, and the clinical teaching in the different departments. The third floor is devoted to class rooms and laboratories in chemistry and adjoins the research laboratories on the corresponding floor of the Carnegie Laboratory Extension. The fourth floor is devoted to class rooms in bacteriology and is connected with the new research laboratories and preparation rooms in the Carnegie Laboratory Extension. The fifth floor is devoted to physiology and pharmacology. The sixth floor accommodates the laboratory of microscopical anatomy and an anatomical study room.

The classroom laboratories thus provided are large and commodious, admirably lighted from two sides, and afford exceptional facilities for teaching purposes.

College Clinic

The College Clinic occupies the ground floor of the main college building, and the first floor and part of the second floor of the New Laboratory and Carnegie Laboratory Extension Building. There are classes for the treatment of general medical and surgical cases and of diseases of the eye, ear, nose, throat and skin, diseases of women and children, and venereal and nervous diseases, etc. The Clinic is one of the largest in New York City for the treatment for the outdoor sick. During the past year about 100,000 cases were treated. This statement affords a good indication of the almost unlimited amount of clinical material which is available for the students of this college for clinical instruction and study. The hour cards for the third and fourth year classes are so arranged that in addition to the stated clinics the students are daily occupied in practical clinical work in the College Clinic and in Bellevue Hospital.

College Clinic Operating Room

Through the friends of the College Clinic, a large operating room has been thoroughly equipped, together with an etherizing room, sterilizing room, and a recovery room for taking care of minor surgical operative cases. The operating room is in charge of a trained nurse, and students of the third and fourth years are assigned to section work for instruction in the administration of anesthetics, the preparation and sterilization of dressings, and the conducting of such minor surgical operations as can frequently be performed in a physician's office.

The Heye Recovery Ward

Through the generosity of Mrs. James B. Clemens, a recovery ward of thirteen beds has been provided for the care of patients requiring anesthesia. This makes it possible to retain under observation emergency patients and post-operative cases, thereby increasing the efficiency of the College Clinic. The ward is provided with day and night nurses and with a diet kitchen and other conveniences for the care of the patients.

The Edward N. Gibbs Memorial X-Ray Laboratory

This laboratory, founded by the family of the late Edward N. Gibbs, is attached to the College Clinic, and is conducted to aid the medical and surgical staff of the College Clinic in the diagnosis and study of obscure forms of diseases among the patients under treatment. The facilities of this laboratory are used to illustrate the lectures on roentgenology. It is maintained in the highest degree of efficiency by the founders.

Bellevue Hospital

A large number of the general clinics and most of the bedside teaching to the fourth year class are given in the wards of Bellevue Hospital.

The members of the faculty, who are attending physicians and surgeons to the hospital, hold regular clinics in the large amphitheatre, and small sections of the classes are taken into the wards, where the students are required to examine patients suffering from various medical and surgical diseases. Students of the fourth year class are also regularly assigned to the care of cases in the wards under the supervision of the attending and house staffs.

The hospital itself is one of the largest in this country and has always been distinguished for the abundance of its clinical material. The Board of Estimate of New York City authorized a large appropriation for the erection of a new Bellevue Hospital. When

completed it will have accommodations for nearly 2,000 patients. The estimated cost is over \$8,000,000.

Requirements for Admission

Sessions 1919-1920 and 1920-1921

On March 1, 1919 the Council of New York University announced that beginning with the session 1919-1920 women would be eligible for admission to the University and Bellevue Hospital Medical College on the same basis as men.

All candidates must file the medical student qualifying certificate issued by the Regents of the University of the State of New York as evidence having complied with the State requirement and the college requirement for admission to the study of medicine. The medical student qualifying certificate may be obtained by presenting evidence of the completion of two years of college work towards a bachelor's degree in a recognized college or university and must cover at least 60 semester hours including the following:

Chemistry.—12 semester hours*, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. The remaining four semester hours may consist of additional work in general chemistry or of work in analytic or organic chemistry. FOR SESSION 1920-1921, THE CHEMISTRY REQUIREMENT WILL BE AS FOLLOWS: 12 semester hours, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. The remaining four semester hours shall consist of work in organic chemistry.

Physics.—8 semester hours, of which at least two must be laboratory work. This requirement may be satisfied by six semester hours of college physics, of which two must be laboratory work, if preceded by a year (one unit) of high school physics.

Biology.—8 semester hours, of which four must consist of laboratory work. The requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone.

English.—Composition and literature, consisting of the usual introductory college course of six semester hours, or its equivalent.

Language.—(French, Italian, Spanish, German). A reading knowledge of one these languages is strongly urged. If the

*A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

reading knowledge in one language is obtained on the basis of high school work, the student is urged to take the other language in his college course.

Students entering the University and Bellevue Hospital Medical College after January 1, 1918 will, after the successful completion of their first and second years of medical work, be recommended to the Council of New York University for the degree of bachelor of science in medicine, and upon the successful completion of their fourth year, for the degree of doctor of medicine.

Registration

The session commences Wednesday, September 17, 1919 and continues until June 9, 1920.

Each student desiring to register must file at the office of the secretary of the Medical College a medical student qualifying certificate (as issued by the Department of Education of the State of New York) showing that he has fulfilled the entrance requirements.

Payment of the University fee of ten dollars (\$10.00) is required upon registration.

Students desiring to do special work may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation as set forth in this bulletin.

Combined College and Medical Course

The University Council upon the recommendation of the faculties of the College of Arts and Pure Science and of the University and Bellevue Hospital Medical College, has approved a combined college and medical course of six and one-half years leading to the degree of bachelor of science at the end of four and one-half years and to the degree of doctor of medicine at the end of six and one-half years. This combined course will enable a student who completes eight college credits in addition to the requirements of the freshman and sophomore years of the medical preparatory course as stated above, or 84 college credits, to obtain the degree of bachelor of science upon the completion of the first two years of the regular course of the Medical College.

First year courses in a modern language and courses in those sciences in which work has been prescribed in the schedule of the first two years may not be included in the eight credits described above.

By combining Summer School work with that of the regular college year it will be possible for earnest and able students to complete the combined course and secure the two degrees in six years but the College faculty strongly advises the average student to remain three years in college before undertaking the medical course.

State Requirements of Higher Preliminary Education

There are now thirty states which have adopted the requirement of two years of college work as preliminary education in addition to a full standard four-year high school education.

State Examining Board of	Number of Years Required	Affects Students Matriculating	Affects All Graduates
Requiring two years—			
Alabama.....	2	1915-16	1919
Alaska.....	2	1918-19	1922
Arizona.....	2	1918-19	1922
Arkansas.....	2	1918-19	1922
Colorado.....	2	1910-11	1914
Florida.....	2	1918-19	1922
Indiana.....	2	1911-12	1915
Iowa.....	2	1911-12	1915
Kansas.....	2	1918-19	1922
Louisiana.....	2	1918-19	1922
Maryland.....	2	1918-19	1922
Michigan.....	2	1918-19	1922
Mississippi.....	2	1919-20	1923
Minnesota.....	2	1908-09	1912
Montana.....	2	1918-19	1922
New Hampshire.....	2	1915-16	1919
New Jersey.....	2	1916-17	1920
New Mexico.....	2	1918-19	1922
New York.....	2	1918-19	1922
North Carolina.....	2	1918-19	1922
North Dakota.....	2	1908-09	1912
Oklahoma.....	2	1917-18	1921
Rhode Island.....	2	1918-19	1922
South Carolina.....	2	1916-17	1920
South Dakota.....	2	1911-12	1915
Tennessee.....	2	1918-19	1922
Vermont.....	2	1918-19	1922
Virginia.....	2	1917-18	1921
Washington.....	2	1918-19	1922
Wisconsin.....	2	1915-16	1919
Requiring one year—			
California.....	1	1915-16	1919
Connecticut.....	1	1910-11	1915
Illinois.....	1	1915-16	1919
Kentucky.....	1	1914-15	1918
Pennsylvania.....	1	1914-15	1918
Texas.....	1	1914-15	1918
Utah.....	1	1913-14	1917
West Virginia.....	1	1917-18	1921

Admission to Advanced Standing

Students who have attended one or more courses in other medical colleges will be admitted to advanced standing in this College under the following conditions:

Students will not be admitted to advanced standing if they have not satisfactorily completed the work in the colleges at which they have taken their previous courses. Students are not admitted to advanced standing in the fourth year.

Examinations for admission to advanced standing will be held at Carnegie Laboratory, 338 East Twenty-sixth Street, New York, on September 11, 12, 13, 1919.

Requirements for Admission to the Second Year

1. They must satisfy the entrance requirements of the class to which they seek admission.

2. They must present evidence of having satisfactorily completed one full course of instruction in a registered medical college.

3. They must present evidence of having satisfactorily completed laboratory courses in microscopic anatomy (including embryology), chemistry, gross anatomy, including dissection, approximately equivalent to those included in the curriculum of this college during the first year.

4. They must pass examinations upon gross anatomy, chemistry and physics, and microscopic anatomy, similar to those taken by the students of the class to which they seek admission unless the credentials from the college where previous work has been done are accepted by the faculty.

Requirements for Admission to the Third Year

1. They must satisfy the entrance requirements of the class to which they seek admission.

2. They must present evidence of having satisfactorily completed two full courses of instruction in a registered medical college.

3. They must present evidence of having satisfactorily completed laboratory courses in normal and pathological histology, chemistry, physiology, bacteriology and pharmacology, approximately equivalent to the courses included in the curriculum of this college, and they must also have completed two courses in dissection.

4. They must pass examinations in anatomy, physiology, chemistry, pharmacology, general pathology and bacteriology, similar to those taken by the students of the class to which they seek admission unless the credentials from the college where previous work has been done are accepted by the faculty.

Students who have passed in the subjects of anatomy, chemistry and physiology before the Licensing Board of the State of New York are exempt from further examination in these subjects.

Requirements for Admission to Special Courses

Graduates in medicine, or students who desire to pursue a special course and are not candidates for a degree, are admitted to registration as special students without the Regents' or other preliminary examination. Such special courses do not count in any way as a part of the four years' course of instruction, etc., required of candidates for the degree of doctor of medicine. Further information regarding such courses, fees, etc., may be obtained on application.

Requirements for Advancement in Course

Students are advanced from one year to the next upon passing satisfactory examinations at the close of the session. The work of each year is considered final. Students who fail to pass examinations satisfactorily at the close of any year may be conditioned or rejected. If conditioned, an opportunity is afforded at the beginning of the next college year to make up these conditions. A student who fails on re-examination to remove conditions will not be allowed to pass on to the next year. The year must be repeated. A student who has been once rejected in his examinations, and again fails, after repetition of the work, will be ineligible to further instruction in this college.

Students, at the end of each year's work and before promotion to the next class, must register with the secretary before attending class, and obtain from him a ticket stating that he has complied with all the financial and scholastic requirements necessary for promotion, and that he is entitled to attend exercises in the class to which he seeks admission.

First Year

The standing of a student at the end of the first year is determined by:

- (a) A written examination on the topics covered by the courses of instruction in gross anatomy, chemistry and physics and microscopic anatomy.
- (b) A practical examination in anatomy and the laboratory courses given.
- (c) A record of his practical work and recitations.

Second Year

The standing of a student at the end of the second year is determined by:

(a) Final examinations covering the subjects of physiology, physiological chemistry and toxicology, physical diagnosis, materia medica and pharmacology, bacteriology, surgical anatomy, medicine, surgery and an examination on the topics covered during the year in general pathology.

(b) Practical examinations in physiology, pharmacology, physiological chemistry, pathological histology and histology of nervous system.

(c) A record of his practical work and recitations.

Third Year

The standing of a student at the end of the third year is determined by:

(a) Written examinations on the instruction given in medicine, surgery, obstetrics, gynecology, therapeutics, pediatrics, pathology, bacteriology and hygiene.

(b) Practical examinations in applied pathology and gross pathology.

(c) A record of all recitations and practical work in the section classes.

Fourth Year

The standing of a student at the end of the fourth year is determined by:

(a) Written examinations in medicine, surgery, obstetrics, gynecology, pediatrics, therapeutics.

(b) Practical examinations may be held in addition to a written examination in any subject when deemed necessary by the faculty.

(c) Written examinations in nervous diseases, mental diseases, dermatology, otology, laryngology, orthopedic surgery, military surgery, genito-urinary surgery and diseases, and ophthalmology.

(d) Record of work in recitations, hospital ward work, section classes and reports at conferences.

Examination Rules for Students

1. Notes or text-books must not be brought into the examination rooms. The use of notes or text-books either brought from without or obtained within the examination room, as well as the giving or receiving of information during the examination, is an offense punishable by expulsion from the college.

2. If, during the course of an examination, the behavior of a student is such as to arouse suspicion of wrongdoing, the proctor in charge is given authority to make such investigation at the time

as in his opinion he may deem necessary, and will report promptly the facts relating thereto, to the committee on examinations.

Rule for Re-examinations

Conditioned students are required to register and obtain a ticket of admission to the re-examinations the fee for which is five dollars.

Requirements for Graduation—Session 1919-1920

Students who have completed all the work required in the first three years, and have been admitted to the fourth year class, may become candidates for graduation under the following conditions:

1. They must have successfully completed four years of medical work of which the last two years must have been taken in this institution.
2. They must, as required by law, have reached the age of twenty-one years, and must file satisfactory certificates of good moral character. (Blank forms of certificates of age and of moral character will be furnished by the secretary on application.)
3. They must have filed a certificate from a recognized institution, that they have attended at least fifteen cases of labor.

*Fees for the Four-year Course, Session 1919-1920

First Year

University Fee (including Matriculation)	\$10.00
Payable at the beginning of first year	
General Instruction (including laboratory instruction,† dissection and microscope fee‡)	225.00

Second Year

University Fee	\$10.00
General Instruction (including laboratory instruction, and microscope fee‡)	225.00

Third Year

University Fee	\$10.00
General Instruction (including laboratory instruction,† operative surgery and microscope fee‡)	225.00

*The Council of New York University reserves the right to change all tuition charges and fees at its discretion. University fee is not to be refunded.

†Students are required to provide themselves with dissecting case and laboratory materials (slides, cover-glasses and boxes for storing slides, etc.), and text-books as recommended by the heads of the various departments, which become their personal property.

‡A microscope fee of ten dollars (included in \$225.00 tuition) is charged each year for the use of the microscope. At the end of the fourth year, the microscope becomes the property of the student upon payment of the difference between the market price of the microscope and the forty dollars rental fee which he has paid.

Fourth Year

University Fee	\$10.00
General Instruction (including laboratory instruction† mi- croscope fee)	225.00
Examination Fee	25.00
Tickets cannot be transferred, and fees will not be returned.	

Payment of Fees

For session of 1919-1920 first year students may select either Plan I or II for the payment of fees.

I. Full Payment Plan.

Upon registration, they may pay a fee of two hundred and thirty-five dollars (\$235.00), which includes

Tuition	\$215.00
Microscope Fee	10.00
University Fee	10.00
Total	\$235.00

II. Two Payment Plan

Upon registration, one hundred and thirty-five dollars
(135.00)

Tuition (½ Year)	\$115.00
Microscope Fee	10.00
University Fee	10.00
March 17, 1920, one hundred and two dollars and fifty cents (\$102.50)	
Tuition (½ Year)	\$100.00
Interest	2.50

Second, third and fourth year students may pay their fees in one of three ways:

I. Full Payment Plan.

Upon registration, two hundred and thirty-five dollars

Tuition	\$215.00
Microscope Fee	10.00
University Fee	10.00
Total	\$235.00

II. Two Payment Plan.

Upon registration, one hundred and thirty-five dollars

Tuition (½ Year)	\$115.00
------------------------	----------

Microscope Fee.....	10.00
University Fee.....	10.00
March 17, 1920, one hundred and two dollars and fifty cents:	
Tuition.....	\$100.00
Interest.....	2.50

III. Four Payment Plan.

Upon Registration, eighty-five dollars Tuition ($\frac{1}{4}$ year)	\$65.00
Microscope Fee.....	10.00
University Fee.....	10.00
December 21st, fifty-one dollars and eighty-eight cents	
Tuition ($\frac{1}{4}$ Year).....	\$50.00
Interest.....	1.88
March 17th, fifty-one dollars and twenty-five cents	
Tuition ($\frac{1}{4}$ Year).....	\$50.00
Interest.....	1.25
May 17th, fifty dollars and forty-two cents Tuition ($\frac{1}{4}$ Year).....	\$50.00
Interest.....	.42

Students in attendance when fees were increased: i. e., fourth year students during session 1919-1920, until the completion of their course, are continued under the old scale of fees but are required to pay the University fee of \$10.00 and the microscope fee of \$10.00 the fee being as follows:

University Fee.....	\$10.00
Tuition Fee.....	200.00
Microscope Fee.....	10.00

These fees are payable in accordance with the above schedules. The University and microscope fee must always be paid at the beginning of the year.

Examination fee of twenty-five dollars for the members of the fourth year class is payable before the 1st of May.

Alumni of the University Medical College, the Bellevue Hospital Medical College and the University and Bellevue Hospital Medical college are admitted without fee to the lectures and clinics of the third and fourth years.

Fees cover all expenses of the college except the course in practical obstetrics.

Fees for Special Students, 1919-1920

Tickets for one or more of the eight departments of practice of medicine, surgery, obstetrics, materia medica and therapeutics, pathology,

physiology, anatomy, and chemistry may be taken separately at the rate of \$50 for each department, and each ticket thus taken entitles the holder to all the exercises connected with the department for which it is issued, except the laboratory courses and dissections; but attendance upon lectures under such separate tickets will not count in any way as part of one of the four regular courses of lectures required for graduation.

The dissecting ticket may be taken out separately by registrants	
Dissection.....	\$15.00
Laboratory courses in chemistry, normal histology, pathological histology, materia medica, gross pathology and autopsies each.....	25.00
Laboratory course in clinical microscopy open to graduates in medicine only.....	25.00

Course of Study

The course of study required of all students who are candidates for the degree of doctor of medicine extends over four years.

All work in the curriculum set forth below in outline is required unless especially marked as optional.

When instruction in any subject is continued for two or more years, the instruction given in each year is different, and students are required to pass satisfactory examinations at the end of each session before taking up the work of the following year.

The faculty reserves the right to terminate the connection of any student with the institution at any time on the ground of what it regards as moral or mental unfitness for the profession, or improper conduct while connected with the college.

The right is reserved to make at any time such alterations or additions to this curriculum as may be found desirable or necessary.

Summary of Studies

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Chemistry, L. 64, R. 32, L. W. 96.	Physiol., L. 64, R. 48, L. W. 48.	Medicine, L. 32, R. 96, S. 64, C. 96.	Medicine, S. 108, C. 64, R. 60.
Gross Anat. & Gross & Micros. Neurol., L. 16, L. W. 480.	Physiological Chemistry, L. 32, R. 16, L. W. 48.	Surgery, L. 64, R. 64, S. 64, C. 96	Surgery, S. 108, C. 64, Conf. 32, R. 60.
Microscopical Anatomy & Embry., R. and L. W. 240	Mat. Med. & Pharmacol., L. 80, R. 48, L. W. 96	Obstetrics, L. 64, R. L. I. H., 3 weeks	Obstetrics, L. 16, R. 16, D. X. Op. O. 6.
Physiology L. 32; R. 32, L. W. 48.	Gen'l. Path., L. & L. W. 144, R. 32.	Gynæc., R. and D. 32, S. 12	Gynæc., C. 32, S. 20, R. 16.
Hygiene, L. 16	Phys. Diag., 48.	Therap., L. 32, R. 32.	Therap., Conf. 16, L. 6, S. 18.
	Medicine, C. 16, R. 16.	Path. Anat., D. 64	Ophth., L. 32, S. 12.
	Surgery, C. 16, R. 16	Applied Pathology, R. 16, L. W. 64.	Applied Pathology L. W. 72.
	Bact., L. 16, L. W. 96.	Pediat., L. 32, R. 32.	Path. Chem., L. 6.
	Op. Surg., L. W. 48.	Hygiene, L. 32, L. W. 64.	Hygiene, L. 8.
	Surg. Anat., L. 16.	G. U. Surg., L. 15	Autopsies, S. 6.
	Path Phys. Conf. T. L. 18		Gen. Ur. Surg., L. 40, S. 12.
			Orthopedic Surg., L. 32, S. 6.
			Neurol., L. 32, S. 12.
			Pediat., L. 32, S. 12.
			Otol., L. 16, S. 12.
			Laryngol., L. 16, S. 16.
			Mental, L. 16, C. 16.
			Derm., L. 24, S. 12.
			Special Subjects, 30 Lectures.

L.—Lecture. R.—Recitation. D.—Demonstration. L. W.—Laboratory Work. C.—Clinic. S.—Section Teaching. Conf.—Conference. Ex.—Exhibition. Op. S.—Operative Surgery. Op. O.—Operative Obstetrics. L. I. H.—Lying in Hospital.
The figures indicate the number of hours per session.

ANATOMY

Professor: H. D. Senior
Associate Professor: Frederick W. Thyng
Assistant Professor: Jesse L. Conel
Instructors: G. R. Stuart, Benjamin Spector
Assistants: Joseph Bendetson, H. B. Eisberg, F. W. Ash
Technician: Marion C. Hoffman

First Year

Lectures.—One a week throughout the session.

Laboratory Work.—

Gross Anatomy.—Dissection of the entire body. Seventeen hours a week with recitations throughout the session, except during the time occupied by the course in neurology, including the organs of special sense. Professor Senior and Assistant Professor Conel, Dr. Ash and Mr. Bendetson.

Microscopic Anatomy, Adult and Embryonic.—Nine hours a week during the first half session and six hours a week during the second half session, with recitations. Course consists of a preliminary study of the general processes of development followed by a study of the adult organs, fresh and in microscopic sections, and of the developing organs of the pig. Associate Professor Thyng and Mr. Spector.

Neurology, Including Organs of Special Sense, Gross and Microscopic.—Sixteen hours a week, with recitations during the last six weeks of the second half session. Entire staff.

Practical Microscopic Technique.—Optional course for selected students. Saturday afternoons. Associate Professor Thyng.

Second, Third and Fourth Years

Facilities are available to senior students, and to recent graduates for advanced work in anatomy. The courses consist of laboratory work with such informal help in the selection of literature and preparation of materials as may be necessary; there are no fees. The following courses are offered:

I. Anatomy of the Specialties, Gross and Microscopic. Nervous system, special sense organs, generative organs, etc.

II. Embryology.

III. Topographical Anatomy. By means of frozen sections.

Facilities

The Dissecting Room occupies the entire top floor of the new College Building and is well lighted and ventilated, and is open between the hours of 9 A. M. and 5 P. M. daily.

The microscopical laboratory, students' research room and the photographic room are on the top floor of the new laboratory building.

There are smaller laboratories for advanced work on the top floor of the Carnegie Laboratory building.

Abundance of fresh and well-preserved material is supplied for dissection.

Research Work.—Facilities will be provided for students and graduates who wish to do special or advanced work in anatomy.

PHYSIOLOGY

Professor: Holmes C. Jackson

Instructor: Pro. V Prewitt

Assistant: Constantine Odén

First Year

Lectures.—Two a week throughout the second semester, covering the physiology of muscle and nerve and the mechanics of circulation and of respiration. Professor Jackson.

Recitations.—Two a week during the second semester, on topics covered by the lectures. Professor Jackson and Mr. Prewitt.

Laboratory Work.—One three-hour period a week during the second semester. Students begin to have a practical experience with some of the methods of physiological investigation. Emphasis is laid upon accurate observation, logical deduction and well founded conclusions drawn from their experiments.

The subject matter embraces the physiology of:

Muscle and Nerve.—Response to mechanical, thermal, chemical and electrical stimulation; independent irritability of muscle; relation of reaction to strength of stimulus; genesis of tetanus; influence of temperature, fatigue and load upon voluntary muscle; propagation of reaction in nerve and muscle; action current and current of injury; automaticity and response of smooth muscle to stimulation.

Haemodynamics.—Mechanics of circulation as demonstrated by the piezometer and mechanical circulatory apparatus.

Respiration.—Mechanics of respiration; variations in intrapulmonic and intrathoracic pressure in inspiration and expiration and their relation to concomitant blood pressure variations; measurement of tidal, supplemental and vital air; chemical regulation of respiration.

Second Year

Lectures.—Four a week during the first semester concluding the subject of physiology. Professor Jackson.

Recitations.—Three a week throughout the first semester, covering the lectures.

Laboratory Work.—One three-hour period during the first semester. The following subjects are experimentally examined.

Muscle and Nerve.—Stimulation of human nerves; ergographic records of fatigue.

Haemodynamics.—Inorganic salts on the heart muscle; the relation of the auricular to the ventricular cycle; vagus control; extrasystole and compensatory pause; the influence of the cervical sympathetic upon vascular and pupillary reactions; vasomotor changes in the kidney and intestine; influence of vagus, sciatic, superior laryngeal and sensory surface nerves upon respiration and circulation; human blood pressure, arterial, venous and capillary. Effect of respiration and exercise upon blood pressure; production and interpretation of polygraphs.

Respiration.—Nervous control.

Nervous System.—Conduction in both directions by nerve; efficiency of end organ; resistance at synapses; the central nervous system as the cause of muscle tone; the function of spinal nerve roots; spinal cat showing spinal shock, stepping reflex, flexion reflex, extensor thrust, scratch reflex, reciprocal innervation, etc.; reaction time in man; reflexes in man; reflexes in decerebrate and decerebellate frogs and pigeons; reactions in response to stimulation of cerebrum and cerebellum of dogs; decerebrate rigidity, etc.

Sensation and Organs of Special Sense.—Projection and referred sensation; specific nerve energy; cutaneous, muscle, pain, gustatory, olfactory, auditory and visual sensation.

Secretion, Absorption and Excretion.—Regulation of secretion by nervous and chemical mechanisms; physics and physiology of absorption; urine and sweat excretion. Professor Jackson, Messrs. Prewitt and Odén.

One two-hour laboratory period a week will be devoted to the experimental production, by selected, rotating groups of students from the entire class, of the following functional abnormalities. Following this a one-hour period will be utilized by the entire class as a conference to study from the dynamic or functional standpoint the results and interpretations of the experimental results.

Inflammation: Vascular phenomena; inflammatory exudates.

Degeneration and Necrosis: Albuminoid, granular and fatty degeneration; focal necrosis; calcification; gangrene.

Embolism and Thrombosis: Platelet and traumatic thrombosis; foreign-body, air and fat embolism; infraction.

Cardiac Valves: Aortic and mitral stenosis and insufficiencies; tricuspid insufficiency.

Heart: Auricular and ventricular extra-systoles; heart-block; acute myocarditis; hydropericardium.

Thorax and Lungs; Hydrothorax and pneumothorax; serous and purulent pleuritis; pulmonary oedema.

Kidneys: Acute nephritis, tubular, vascular and interstitial; renal infections; hydronephrosis.

Endocrine organs: Extirpation of; Pancreas, adrenals, thyroids, parathyroids, hypophysis; opotherapy.

Liver: Focal necrosis, cirrhosis, jaundice, phosphorus-poisoning.

Gastro-intestinal tract: Acute gastritis; intestinal obstruction.

Anemia: Haemorrhage, haemolysis; CO poisoning. Mr. Prewitt.

Facilities

Aside from the laboratory in which the required practical work is carried on, the department provides rooms for more advanced work. The department is amply supplied with apparatus for the required laboratory work, for demonstrations and for research.

CHEMISTRY

Professor: John A. Mandel

Assistant Professor: Alexander O. Gettler

Instructor: Josephine Munson

Assistant: William C. MacTavish

First Year, First Term

Lectures.—Two a week for sixteen weeks.

Physical Chemistry.—A detailed discussion of the laws governing chemical phenomena such as kinetic theory, diffusion, osmosis, electrolytic ionization, dissociation, hydration, surface tension, colloidal states, determination of H ion concentration, electro-chemistry, thermo-chemistry, chemical dynamics and equilibrium and description and use of special instruments used in biological research. Assistant Professor Gettler.

Lectures.—One a week for sixteen weeks.

Organic Chemistry.—This course will consist in a review of organic chemistry so as to prepare the student especially for the lectures on physiological chemistry. Professor Mandel.

Recitations.—One a week throughout the term on the topics covered by the lectures. Professor Mandel and Assistant Professor Gettler.

Laboratory Work.—Three hours a week throughout the term. Practical instruction is given in physical chemistry, quantitative analysis, both volumetric and gravimetric. Assistant Professor Gettler and Assistants.

First Year, Second Term

Lectures.—One a week for sixteen weeks.

Physiological Chemistry.—These lectures will discuss the following subjects: The chemical composition of the animal body, carbohydrates, lipins, proteins; the chemistry of blood and other animal fluids and the chemistry of digestion. Professor Mandel.

Recitations.—One a week throughout the term on the topics covered by the lectures. Professor Mandel.

Laboratory Work.—Three hours a week throughout the term.

Practical work on the subjects covered by the lectures. Assistant Professor Gettler and Assistants.

Second Year, First Term

Lectures.—Two a week for sixteen weeks.

Physiological Chemistry.—This course will be a continuation of the course given in the first year and will discuss the chemistry of the internal secretions, milk, foods and nutrition and the chemistry of some of the morbid conditions, especially those affecting the character of the blood and urine. Professor Mandel.

Recitations.—One a week throughout the term on the topics covered by the lectures. Professor Mandel.

Laboratory Work.—Three hours a week throughout the term. Practical work on the subjects covered by the lectures. Assistant Professor Gettler and Assistants.

Facilities

The chemical department is equipped with apparatus and a collection of chemicals, with which the lectures are abundantly illustrated by experiments and demonstrations. The chemical laboratory is well supplied with most recent appliances and fixtures, and every facility is given the student to acquire a practical knowledge in chemical manipulations and testing. A small working library of chemical work or reference is also accessible to the students.

Facilities will be accorded to those students who desire to do advanced work in chemistry under the direction of the professor of that department.

MATERIA MEDICA AND PHARMACOLOGY

Professor: George B. Wallace

Assistant Professor: Emil J. Pellini

Assistant: Constantine Odén.

Second Year

Lectures.—Five a week throughout the second half of the session. In this course a systematic and detailed study of the various drugs

used in therapeutics is taken up. This comprises a study of the physical and chemical properties of drugs; their action on the body, medicines or poisons; the indications for their use, based on their actions, and the forms and dosage in which they are prescribed. Toxicology, including symptoms and treatment, is also fully entered upon. The lectures are illustrated wherever possible, by experiments and demonstrations. Professor Wallace.

Recitations.—Three a week throughout the second half of the session, on the subjects discussed in the lectures. Professor Wallace and Assistant Professor Pellini.

Laboratory Work—Two three-hour exercises a week throughout the second semester. The course is divided into two parts, one devoted to a study of the actions of drugs, the other to a study of their preparations and methods of administration. The actions of drugs are shown by animal experimentation, the students working in small groups and performing the experiments themselves. The purpose of the course is to show how the important functions of the body may be modified by drugs. The nervous system, circulation, kidney, gastro-intestinal tract, etc., are studied from this standpoint, the drugs used to produce changes in function being those of therapeutic importance. Conclusions concerning their usefulness in therapeutics are drawn from the experiments. The symptoms and treatment of drug poisoning are also studied.

In the other part of the course the students individually study the drugs discussed in the lectures, making pharmacopoeial preparations, writing and putting up prescriptions, studying incompatibilities, and methods of administration. The detection of poisons and the physiological testing of drugs are also considered. Professor Wallace and Assistant Professor Pellini.

Facilities

An adequate supply of apparatus and material is furnished for the experimental work. The laboratory is well equipped with a large assortment of drugs and their preparations, and apparatus necessary for pharmaceutical and chemical work.

THERAPEUTICS

Professor: Samuel A. Brown
Instructor: John Wyckoff
Assistant: Floyd C. Raymond

Third Year

Lectures.—Two a week throughout the session. In this course there will be a systematic consideration of the use of drugs in the

treatment of disease and the principles and applications of other therapeutic measures. Professors Wallace and Brown.

Recitations.—One a week throughout the session, covering the subjects discussed in the lectures. Dr. Wyckoff.

Fourth Year

Lectures.—Applied therapeutics, including electro-therapeutics, hydro-therapy, massage, etc. Professor Brown.

Practical Work.—In connection with the bedside teaching in clinical medicine in Bellevue Hospital and college clinic every opportunity is afforded for a thorough training in practical therapeutics. Professor Brown and Dr. Wyckoff.

Conferences.—Reports on assigned cases in the hospital and college clinic will be presented at these conferences, and the indications for treatment especially considered. The comparative value of the various medicinal and therapeutic means generally employed in the treatment of different diseases will be fully discussed. Prescription writing and compounding. Professor Brown and Mr. Raymond.

PATHOLOGY

Professor: Douglas Symmers
Assistant Professor: Alexander Fraser
Lecturer: Charles B. Dunlap
Instructor: Frank Fraser
Technician: E. G. Pfeiffer

Second Year

Lectures and Laboratory Work.—Nine hours a week are devoted to lectures and practical laboratory work in pathological histology during the second half of the term. The course is intended to emphasize the relationship of the subject to clinical medicine. Each student receives, mounts and retains permanently a collection of about 150 stained celloidin sections illustrating the essentials of general and special pathology including infiltrations, degenerations, and necroses, inflammation and the infective granulomata, the pathological pigmentations, tumors, and the special pathology of the meninges, cord and brain, the heart and pericardium, lungs and pleura, kidneys, pancreas, liver, gastro-intestinal tract, thyroid, uterus, prostate, bone marrow, spleen and lymph nodes. The study of each slide is preceded by a lecture embodying the theoretical and practical considerations of the subject at hand, and the student is trained to observe and correlate histological details and to depict them in colors. Specially stained demonstration preparations illus-

trating rarer changes are studied as occasion requires. From time to time fresh specimens from autopsy or operation, or permanent Kaiserling mounts, are shown in conjunction with the histological sections.

Each student receives a complete set of printed notes on the various subjects treated in the lectures and illustrated by the microscopical sections. Professor Symmers and Assistant Professor A. Fraser and Drs. Dunlap and Frank Fraser.

Provision may be made for a limited number of students still further to pursue work in pathological histology, material for which is available in abundance from Bellevue and Allied Hospitals, St. Vincent's Hospital, and other sources.

Recitations.—Two weekly during the second half of the term on the subjects of the lectures and laboratory work. Assistant Professor Alexander Fraser and Dr. Frank Fraser.

Third Year: Pathological Anatomy

Demonstration.—The class is divided into small sections, each of which attends twice a week throughout the session, receiving demonstrations of material freshly removed at autopsy or operation, supplemented by specimens from the museum, many of which have been preserved in their original colors by the method of Kaiserling. The students receive close individual instruction and are required to make frozen sections, to stain them by the commoner methods and to apply special stains for connective tissue, fat, etc.

Demonstrations of museum material are provided twice weekly throughout the session and the students are given systematic instruction in the pathological anatomy of practically every organ in the body. Assistant Professor Alexander Fraser.

Fourth Year: Gross Pathology

Autopsies.—Each student is required to perform one or more autopsies. For this purpose at least two exercises are provided each week, throughout the first half of the session, and are attended by the students in sections. At these autopsies the students are required to make a systematic examination of the body. Professor Symmers and Assistant Professor Fraser.

Conferences.—Small groups of students are taken at regular intervals to the pathological laboratory at Bellevue Hospital and material removed at operation is demonstrated to them microscopically and otherwise with particular reference to the clinical features as the students themselves have observed them in the wards. Professor Symmers.

Facilities

The pathological department is equipped with a well-stocked and steadily enlarging museum of morbid specimens, with laboratories in which such specimens are prepared for the museum, and with a clinical laboratory fitted for the examination of material from the hospital and college clinic.

Research Work.—Properly qualified students or graduates in medicine will be afforded every opportunity of carrying on special or advanced work along morphological or experimental lines. Professor Symmers.

APPLIED PATHOLOGY AND CLINICAL MICROSCOPY

Assistant Professor: Arthur R. Mandel

Lecturer: Frank G. Schaible

Instructor: B. Dubovsky

Assistant: J. E. Connery

Third Year

Laboratory Work.—Two hours a week, for the entire session, are devoted to practical instruction in the microscopical and chemical examination of urine, sputum, blood, vomitus and stomach contents, feces, inflammatory exudates, etc., with a view to the application of the result in diagnosis. Bacteriological and serological methods are also taught when serviceable. Assistant Professor Mandel and Drs. Schaible, Dubovsky and Connery.

Recitations.—One hour a week is devoted to a recitation from a text-book upon clinical diagnosis and upon the methods used in the laboratory work and the interpretation of results. Assistant Professor Mandel.

Fourth Year: Applied Pathology

Laboratory Work.—Eighteen hours a week for four weeks are devoted to practical instruction in microscopical and chemical examinations of urine, sputum, blood, vomitus and stomach contents, feces, inflammatory exudates, etc., with a view to the application of the results in diagnosis. Bacteriological and serological methods are also taught when serviceable. Assistant Professor Mandel and Drs. Schaible, Dubovsky and Connery.

Recitations.—Two hours a week for four weeks will be devoted to recitations from a text-book upon clinical diagnosis and upon the methods used in the laboratory work. Assistant Professor Mandel.

Facilities

The clinical laboratory is open to those students of the fourth year who are required to make examinations of material from cases in the

hospital or the college clinic in connection with their section teaching in clinical medicine and surgery. It is provided with the necessary equipment for the examination of urine, sputa, blood, inflammatory exudates, etc., contains a small working library, and the instructors in clinical microscopy and pathology will assist the students in applying the appropriate methods of examination and in planning such original investigations as they may desire to undertake.

BACTERIOLOGY AND HYGIENE

Professor: William H. Park

Assistant Professors: Charles Krumwiede, Jr.; Robert J. Wilson, Willis C. Noble

Lecturer: James T. B. Bowles

Instructors: E. G. Clifton; Abraham Zingher; Lucy Mishulow; May C. Schroeder

Assistant: Ruth A. Thomas

First Year

Hygiene.—Lectures, one hour a week during the second half of the year. Professor Park.

Second Year

Laboratory Work, Bacteriology.—Three hours, twice a week, during one half of the session. In this course the students are taught first the technique of bacteriological examinations; the methods of obtaining pure cultures of bacteria and of studying species after their isolation. Later they study the pathogenic bacteria and protozoa which are of medical importance and not infrequent in occurrence. The development of antitoxins, opsonins, immune bodies and agglutinins and the methods used in estimating them are studied. The laboratory course includes the practical application of bacteriology to the diagnosis, course and treatment of disease, and includes the examination of sputum, pus, blood, feces, milk, water, disinfectants, etc. Assistant Professors Krumwiede and Noble and Dr. Clifton and Miss Mishulow.

Lectures.—One hour a week, one-half the session. Assistant Professor Wilson.

Third Year

Laboratory Work. Applied Bacteriology.—Two hours a week, throughout two-thirds of the session. The relations of bacteriology to the prevention of disease will be especially dwelt upon. Opportunity will be given to visit the Department of Health and other places of interest. The student will also have an opportunity

to witness the practical methods of preparing and testing diphtheria antitoxin, the other protective sera, and the bacterial vaccines as well as the vaccines for hydrophobia and smallpox. Professor Park, Assistant Professors Krumwiede and Noble and Dr. Zingher.

Hygiene.—The control of communicable diseases; infant welfare work; school, industrial and personal hygiene; public health administration; vital statistics; water and milk supplies; ventilation and disinfection will be carefully considered.

Lectures.—One hour a week throughout the session.

Field Work and Quizzing.—Two hours a week one-third of the session. Professor Park, Assistant Professors Wilson and Krumwiede, and Drs. Baker, Bowles, Harris, Schroeder, Berry, Freeman and Guilfooy.

MEDICINE

Professor: Hermann M. Biggs

Professor of Clinical Medicine: Harlow Brooks

Assistant Professors: Robert J. Carlisle; Warren Coleman.

Clinical Professors of Medicine: C. E. Quimby; L. K. Neff; M. Manges A. Meyer; M. Fishberg; W. J. Pulley; T. J. Abbott; James F. Nagle; Edmund P. Shelby; J. T. J. Bird; John Wyckoff

Lecturers: L. B. MacKenzie; S. R. Blatteis; E. F. Russell, E. S. McSweeney, W. A. Purrington

Instructors: W. H. Boese; J. H. Carroll; E. D. Friedman; H. V. Guile; E. J. Riley; G. R. Satterlee; G. N. Slattery; M. Sturtevant; C. J. Tyson; L. L. Shapiro; L. H. Fisher; J. P. Hunt

Assistant: I. J. Levy; J. E. Sawhill

Second Year

Elementary Clinic.—Once a week, during the second half of the session, an elementary clinic is held, at which the students are taught to consider cases of disease as illustrating departures from the physiological condition. The course is intended to introduce to the students cases of disease in which there are clearly defined manifestations of disturbances in the functions of some particular organ or system of organs. Professor Wallace.

Recitations.—One a week for one-half the session. Dr. L. B. MacKenzie.

Physical Diagnosis.—Practical exercises in the methods of physical diagnosis. For this work the class is divided into sections. Drs. Wyckoff, Sturtevant, Friedman and Tyson.

Third Year

Lectures.—One a week throughout the session. In this course thorough consideration will be given to all of the more important diseases. Professor Brooks.

Recitations.—Three a week throughout the session covering the matter considered in the lectures, will be held by Professors Brooks and Carlisle, and lecturers and instructors in medicine.

Clinics.—Two a week in Bellevue Hospital, throughout the session, by Professors Biggs, Carlisle, Coleman and Brown and one clinical lecture in the College Clinic by Professors Brooks and Pulley.

Practical Work.—Hospital, bedside and dispensary teaching, in medical and physical diagnosis, to small sections of the class in the wards of Bellevue Hospital, and in the College Clinic.

Fourth Year

There are no didactic lectures on medicine during the fourth year. The work is wholly practical and clinical.

Clinics.—Two general clinics a week throughout the session. Professors Biggs, Carlisle, Coleman and Brown.

Section Teaching.

In Bellevue Hospital. The entire fourth-year class is assigned to practical work in Bellevue and other hospitals daily from 9 to 12 A. M. Students are regularly placed in charge of cases in the wards, are required to take the histories, make daily notes of the progress of the disease, and microscopical and bacteriological and chemical examination of the blood, sputum, urine, etc. They watch the treatment as conducted by the attending staff. They thus have opportunities to study the natural history of disease as presented by the patients, and can follow cases of typhoid fever, pneumonia, etc., throughout their course from the beginning to their termination and in event of death, can witness the autopsies. The bacteriologic and microscopic work is done under the supervision of special instructors assigned for this purpose. Professors Biggs, Brown, Abbott, Coleman and Drs. Nagle, MacKenzie, Friedman, Guile, Slattery and Sturtevant.

In Other Hospitals. Clinics and section teaching will be given during second half session by the members of the faculty on duty in other hospitals of the city, similar in character to that given in Bellevue Hospital. Members of the faculty are attached to the attending staffs of the Harlem, City, St. Vincent's, Mt. Sinai, Roosevelt Gouverneur, Lebanon, Presbyterian, New York Foundling, Willard Parker, Riverside Hospitals, the New York Eye and Ear Infirmary, Montefiore and Beth Israel, etc.

In the College Clinic. Practical clinical instruction in physical and medical diagnosis will be given to the students in sections by members of the faculty and instructors in the College Clinic and the Out-Patient Department of Bellevue Hospital.

Individual Study.—Members of the graduating class will from time to time be assigned to special cases for study in the wards of Bellevue Hospital, in the Out-Patient Department and in the College Clinic. Students will be expected to make complete clinical examinations of these cases, prepare histories, and make the necessary examinations in the clinical laboratories, of the various secretions of the body, such as the sputum, urine, blood, stomach contents, intestinal discharges, etc., under the direction of the instructor in clinical microscopy.

Medical Conferences.—Reports on the cases thus assigned will later be made at medical conferences. At these conferences students will discuss the case and will be expected to be prepared to answer questions in relation to the case, and to discuss it with other students in the section. From time to time special topics may be assigned to various members of the class for study and the presentation of short papers for discussion at the conferences. Professor Biggs.

Recitations.—One a week throughout the session. Dr. L. B. MacKenzie.

SURGERY

Professor: George D. Stewart

Professor of Clinical Surgery: William C. Lusk

Clinical Professors of Surgery: H. A. Haubold; J. Douglas; W. H. Lockett; C. A. Elsberg; C. Goodman; Walter C. Cramp; Arthur M. Wright; T. A. Smith; John C. McCoy

Associate: J. W. Draper

Clinical Lecturer: A. G. Keane

Instructors: W. H. Barber, G. F. Cahill; W. W. Griffin; G. A. Koenig; J. Nelson; R. P. Wadhams; C. W. Walker; E. King; M. J. Kutis-ker; L. C. Lange; I. Siris

Assistant: R. Sengstacken

Anesthesia: J. E. Lumbard

Second Year

Clinic.—One elementary surgical clinic a week second half of the session. At these exercises the students will receive elementary instruction in the recognition of the commoner surgical conditions and in applying the practical features of their instructions in anatomy, pathology and bacteriology to the diagnosis and treatment of the lesions presented by the patients.

Operative Surgery. Laboratory Work.—On the cadaver, three hours a week in sections during second half of the session. Dr. Walker and assistants.

Surgical Anatomy. Lecture.—One hour a week throughout the session.

Recitations.—One a week on the principles of surgery during second half of the session. Professor Wright.

Third Year

Lectures.—Two a week throughout the session, on the principles and practice of surgery. A part of this time, however, will be devoted to recitations on the most important features of the topics under consideration. In these exercises careful deliberation will be given to general, regional, and operative surgery. The class will be presented with a systematic classification of the topics taught. Professors Stewart, Douglas and Cramp.

Recitations.—Two a week, throughout the session, on the subjects covered by the lectures and assigned surgical topics. Professors Stewart, Cramp, Wright and Dr. Wadhams.

Clinics.—Two general clinics a week, throughout the session, in Bellevue Hospital, by Professors Stewart, Douglas and Cramp. One clinical lecture a week in the College Clinic, by Professor Haubold and Dr. Keane.

Section Teaching.—In the college clinic and out-patient department of Bellevue Hospital. Sections of the class will receive instruction in the surgical diagnosis and treatment of numerous instructive "walking cases."

Fourth Year

Clinics.—Two general surgical clinics a week, throughout the session, in Bellevue Hospital. Professors Stewart, Douglas and Cramp.

Section Teaching.

In Bellevue Hospital. In small sections, under competent supervision, the students of this class are required in the surgical wards of the hospital to practice history-taking, and to familiarize themselves with the details of the diagnosis, care and treatment of patients, in all essential practical respects. The histories of patients and the conclusions resulting from their study by the students are utilized as a means of instruction by the professors in charge of the surgical conferences. In this manner the entire graduating class is continuously informed regarding the practice of the surgical ward, and each mem-

ber in turn is afforded a golden opportunity of gaining a degree of practical surgical experience, under responsible guidance, unequaled by many years of private practice. Professors Stewart, Douglas, Smith and Cramp and Dr. Cahill.

In the college clinic and out-patient department of Bellevue Hospital sections of the class will receive practical instruction in the diagnosis and treatment of ambulatory cases of surgical disease. Each student is expected to apply the common dressings and apparatus employed in the treatment of wounds and surgical deformities.

In the Harlem, City, Mt. Sinai, and other hospitals, clinics and section teaching will be given during the second half session, by members of the faculty on duty.

Practical Work in the Hospital Outlined.—Surgical cases in the hospital will be assigned to individual students for special study. They will be required to take the histories of the cases, make such examinations of blood, urine, morbid specimens, in the clinical laboratory, as may be necessary for diagnosis, and to outline the proper treatment. Reports of these cases will be prepared by the students having them under observation, and will be read by them at the surgical conferences. Also special opportunities will be afforded to study the administration of anæsthetics. Students will be given instruction in bandaging and the application of surgical appliances; also, they will be taught at the bedside to examine, diagnose and treat surgical diseases and injuries.

In the *operating room*, small sections of the class will receive instruction in the treatment of surgical cases, including amputations, fractures, dislocations, appendectomy, and minor surgery, etc. This plan of instruction makes the students familiar with the special and general requirements of the surgical treatment of miscellaneous cases.

Special course in Surgical Research.—Students receiving a sufficiently high rating during their first three years, will be permitted, in small sections, to take a course in surgical research during the fourth year. The course will be similar to that given to graduate students. Dr. Draper.

Recitations.—One a week throughout the session. Professor Wright.

Genito-Urinary Surgery and Diseases

Professor: Alfred T. Osgood

Instructors: W. H. McNeill, Jr.; A. R. Stevens; W. E. Bailey; O. S. Lowsley; G. E. Plummer.

Third Year

Lectures.—One a week during second half of the session on the principles and practice of genito-urinary surgery.

Fourth Year

Bedside instruction in the wards, Bellevue Hospital, to small sections of the class. This course will include a systematic presentation of the pathology, diagnosis, and treatment of diseases of the penis, urethra, prostate, seminal vesicles, testis, bladder and kidneys. The use of the cystoscope and endoscope will also be demonstrated as well as the valuable diagnostic aid derived from ureter catheterization and radiography in its relation to diseases of the urinary tract. The course is abundantly illustrated with cases of the diseases under discussion, and each student in turn is given the opportunity to personally examine such illustrated cases. Professor Osgood and Drs. Stevens, Lowsley and McNeill.

Section Teaching.—Small sections of the class will receive practical instruction in the diagnosis and treatment of genito-urinary diseases in the College Clinic. Professor Osgood and Dr. Bailey.

Special Work.—The facilities of the clinical laboratory are at the disposal of students desiring to use them for the study of cases.

Orthopedic Surgery

Professor: Reginald H. Sayre

Clinical Professor: P. W. Nathan

Instructors: F. J. Wettervik; J. J. Nutt; H. J. Keller

Fourth Year

Lectures.—Two clinical lectures a week first half of the session, in the college, where cases illustrative of the various deformities and of different joint diseases will be presented in person and shown upon the screen and methods of treatment demonstrated. Professor Sayre.

Section Teaching.—Practical instruction in the diagnosis and treatment of cases in the college clinic, where students will personally make diagnosis, apply plaster of Paris dressings, and adjust splints of various kinds. Professor Sayre and Drs. Wettervik and Nutt.

At the Montefiore Home, the section teaching will include the etiology and treatment of chronic joint diseases with special reference to hydrotherapy and mechanotherapy. Professor Nathan.

Diseases of the Rectum

Special instruction will be given on the surgical anatomy of diseases of and operation on the rectum, illustrated by special dissections, and

instrumental demonstrations to small sections of the class. The demonstrations will be given immediately under the observation and with the aid of the students. Dr. Huppert.

ROENTGEN RAY TECHNIQUE

Professor: L. T. LeWald

A short course of instruction in the use of the Roentgen-Rays in medicine and surgery will be given in the Edward N. Gibbs X-Ray Laboratory.

The course will include: (1) Lectures and demonstrations on the various forms of Roentgen ray apparatus. (2) Practical instruction in the technique of fluoroscopic examinations and Roentgenography. (3) Demonstrations and instruction in the correct interpretation of Roentgenograms paying especial attention to pathological anatomy and variations in normal anatomy. (4) Studies in physiological processes in health and disease, particularly of the digestive tract of children and adults.

The X-Ray Laboratory contains a very complete equipment of appliances for Roentgen ray work and a collection of several thousand Roentgenograms, showing fractures, dislocations, malignant growths, bullets and needles in the body, lesions of the osseous system, pathological changes of heart and lung, and lesions of the urinary and digestive tracts. Professor LeWald.

OBSTETRICS

Professor: Austin Flint

Clinical Professors: William E. Caldwell; William M. Ford; Richard E. Brown

Lecturer: Frederick W. Rice

Instructors: Harold C. Ingraham; Frederick C. Freed

Third Year

It is the aim of the department of obstetrics to devote the entire third year to the teaching of the theory of obstetrics. The extensive clinical material afforded by the obstetrical wards of Bellevue Hospital, Manhattan Maternity Hospital and the Nursery and Child's Hospital offers us the opportunity of devoting the entire fourth year to the teaching of practical obstetrics in these hospitals.

Recitations.—The class is divided into sections and recitations are held twice a week for each section throughout the year. These recitations are based on subject matter assigned in advance from a standard text-book. The division of the class into sections for recitation work enables us to follow more closely the individual work of

the student. This method has been practiced for the past few years and the results are much more satisfactory than the previous method of depending on didactic lectures alone. The subject matter covered by the recitations is demonstrated when necessary by the use of specimens, charts and maps. Drs. Caldwell and Rice.

Lectures.—During the second half of the year, in addition to the recitations, lectures are given on surgical obstetrics by Professor Flint. Lectures covering the pathology of obstetrics illustrated by lantern pictures will be given by Dr. Fraser of the pathological department.

Manikin.—The class will be divided into sections of about ten men. Each section will have eight hours of instruction. Students will be required to perform on the manikin all of the usual obstetrical operations. Exercises will also be given in the diagnosis of position and presentation and a review of the mechanism of normal and abnormal labors will be held. Drs. Ingraham and Freed.

During the second half of the session special sections consisting of about twelve men will be formed. These special sections will be summoned to witness unusual operations for obstetric conditions which may occur in the obstetric ward of the hospital during the regular hours of attendance at the college.

Standing of Students.—An examination will be held at the end of the first half of the session and again at the end of the year. In making up the standing of students a final examination will be counted one-third; recitation marks and class work one-third; and the monthly conferences one-third.

Fourth Year

The instruction during the fourth year consists of ward work, lectures and clinics and also attendance on confinement cases which will be divided between the Manhattan Maternity Hospital, the Nursery and Child's Hospital and Bellevue Hospital.

By an arrangement made with the Nursery and Child's Hospital and the Manhattan Maternity Hospital, ward work and attendance on confinement cases will as far as possible be combined. Sections consisting of from two to six men will be assigned each month to one of these hospitals for a period of four weeks. During this time students will be expected to report at the college for attendance only at the more important exercises. The hours for attendance on their regular college work will be arranged between the office of the college and the authorities at the hospital. The remainder of their time the students will be under the supervision of the authorities of the hospital to which they are assigned. At the hospital they will be thoroughly

instructed in the routine care of obstetrical cases and in cases delivered at their homes through the outdoor department.

Sleeping quarters will be provided at the hospital.

The work of the students, both in the hospital wards and in the tenement houses, will be under the direct supervision of the visiting and resident staffs of the hospitals.

At the end of the period of instruction they will receive certificates if their work has been satisfactory, stating the number of confinement cases that they have attended.

At the present time there are about three hundred cases taken care of at these two hospitals each month. The instruction will comprise practical experience in prenatal care of patients, care of post-partum women and children, and in the delivery of as many cases as possible under the supervision of the teaching staff of the college.

Ward Work.—At the beginning of the second half of the year the class is divided into sections of from eight to twelve men and will be taken to the wards at Bellevue Hospital three days a week. These sections will be notified in rotation from time to time so that they will have an opportunity of witnessing operative deliveries or abnormal cases of any kind that may occur during the hours of their college work.

It is expected that this increase of clinical instruction will be valuable from every standpoint. The section work in Bellevue Hospital is designed so that men who have taken the courses at the Manhattan Maternity or the Nursery and Child's Hospital may have an opportunity of seeing any part of obstetric surgery which may not have come up during their term of service at the smaller hospitals.

Lectures and Clinics.—During the first half of the session Professor Flint will meet the class once a week. This hour will be used to complete any work which was omitted during the third year. Certain subjects will be assigned in advance which must be prepared from a text-book and a recitation or a lecture on this subject held. The clinical lectures will be given usually in the amphitheatre of Bellevue Hospital and from time to time in the amphitheatre of the Manhattan Maternity Hospital, 327 East 60th Street, whenever illustrative material presents itself.

GYNECOLOGY

Professor:

Clinical Professor: Eben Foskett

Instructors: A. M. Reich; A. B. Timm; D. N. Barrows; J. F. McGrath;
J. P. Hennessy; E. W. Holladay

Third Year

Recitations.—One a week, throughout the session, on the principles and practice of gynecology.

Section Teaching.—Gynecological diagnosis and treatment in the college clinic and in Bellevue Hospital out-patient department. Dr. Eben Foskett and assistants.

Students will be required to pass a written examination at the end of the third year.

Fourth Year

Section Teaching.—Twice a week, in Bellevue Hospital, throughout the session. Before each operation several students are permitted to examine the patient under anesthesia, and the treatment required is explained to them.

Section Teaching.—Twice a week in Bellevue Hospital. Professor Studdiford.

PEDIATRICS

Professor: William P. Northrup

Adjunct Professor: Rowland G. Freeman

Clinical Professors: A. F. Hess; M. Nicoll, Jr.

Instructors: S. Brady; W. M. Hartshorn; I. H. Goldberger; L. B. Sachs; J. O'Dwyer; R. W. Mitchell

Assistants: J. M. Morse; S. Gross

Third Year

Lectures.—One a week, throughout the session, on diseases of children, partly didactic, partly clinical; illustrated by cases and with the stereopticon. Professor Northrup.

The normal infant and child, methods of examination, the general care and feeding of the growing infant and the diseases of children. Professor Freeman.

Recitations.—One a week throughout the session. Drs. Mitchell and Goldberger.

Fourth Year

Section Teaching.—(a) Bedside instruction (weekly) in the diagnosis and treatment of diseases of children, history taking and recording in the Roosevelt Hospital, Harlem Hospital, New York Foundling Hospital, Willard Parker and Riverside Hospitals. Professors Freeman, Nicoll and Dr. Brady.

(b) Section teaching in infant feeding at the New York Nursery and Child's Hospital, 61st Street and Amsterdam Avenue. Professor Freeman.

Instruction in contagious diseases in the Willard Parker Scarlet Fever Hospital. Professors Nicoll and Hess.

NEUROLOGY

Professor: Edward D. Fisher

Clinical Professor: I. Abrahamson

Lecturers: M. Neustaedter; W. Steinach

Fourth Year

Lectures.—Twice a week during first half session. These lectures are clinical, being illustrated by cases of the diseases under discussion, and include a systematic course of instruction in the diseases of the brain and spinal cord; their pathology, diagnosis, and treatment. Professor Fisher.

Section Teaching.—1. Bedside instruction or clinics, second half session, in Bellevue Hospital. 2. Instruction in the methods of diagnosis in nervous diseases, in the College Clinic. During this course the students will have opportunities to examine the patients, with a view to arriving at a diagnosis. 3. Instruction in electrodiagnosis and electro-therapy, in the college clinic. Professor Fisher and Drs. Neustaedter and Steinach.

Facilities

Clinical material for instruction in nervous diseases is drawn from Bellevue Hospital and the college clinic.

PSYCHIATRY

Professor: Menas S. Gregory

Fourth Year

Lectures.—One a week, first half session. These lectures will be partly didactic, partly clinical. The didactic lectures will embrace systematic instruction in psychiatry, including the nature and prominent features of the various types of mental disease; concise definitions of the important technical terms used in psychiatry; a comprehensive classification of mental diseases and their etiology, diagnosis, prognosis, and treatment; the legal aspects of insanity, its jurisprudence, civil and criminal; the examination and commitment of the insane, and hints for the guidance of physicians when called as witnesses in medico-legal proceedings. The clinical lectures will consist of the presentation of cases of mental disorder illustrating the teachings of the didactic lectures. Professor Gregory.

Facilities

Illustrative cases of mental diseases are furnished from the psychopathic ward at Bellevue Hospital.

OPHTHALMOLOGY

Professor: John E. Weeks

Clinical Professor: H. W. Wandless

Instructors: S. Ingerman; B. W. Key; C. E. McDannald; W. W. Weeks; G. W. Jean

Fourth Year

Lectures.—Two a week, first half session, on the external and internal diseases of the eye; the former being illustrated by cases, and both by a full series of excellent colored lantern slides. Professor Weeks.

Section Teaching.—Small sections of the class will receive practical instruction in the recognition and diagnosis of all the usual external affections of the eye, some practical instruction in the treatment of diseases of the eye and the correction of errors of refraction; also practical instruction in the technical use of the ophthalmoscope, during which the student will become familiar with the appearances of the normal fundus oculi, and be shown many pathological changes in the fundus oculi. Professor Wandless. A quiz course will be given during the latter part of the college year, covering the subjects gone over in the regular lecture course, for the purpose of review.

Special Work.—Students desiring a more complete knowledge of diseases of the eye, including errors of refraction and their correction and ophthalmic surgery, can, if fitted for the course, obtain facilities for pursuing those studies under the auspices of the college in private classes. Those wishing to make a study of the microscopical pathology of the eye can also avail themselves of opportunities which will be offered.

Facilities

Clinical material is obtained from the outdoor poor department of Bellevue Hospital, the College Clinic, and from the New York Eye and Ear Infirmary. The college clinic is fitted with the necessary equipment for practical work with the ophthalmoscope.

DERMATOLOGY AND SYPHILOLOGY

Professor: William B. Trimble

Lecturer: John J. Rothwell

Instructors: G. A. Cherry; C. J. Hailperin; Frank Fraser; C. M. Williams, J. H. O'Connor.

Fourth Year

Lecturers.—Two a week first half session. The lectures will be partly didactic, partly clinical. The epidiascope will be used to pro-

ject lantern slides, microscopic sections and photographs to illustrate these lectures. The course will consist of a systematic presentation of the diagnosis, pathology, and treatment of cutaneous disease, particular attention being also given to the differential diagnosis between syphilitic and non-syphilitic affections. Lectures covering the subject of syphilis will include one outlining the history of the disease and the developments which have led up to our present knowledge of it; two or more on the microbiology, general pathology and experimental work; two or more on the cutaneous manifestations and concomitant constitutional disturbance incidental to the early infectious stage; one on the later manifestations of the disease; one on hereditary syphilis and one or more lectures on the general treatment of the disease. Professor Trimble.

Section of Teaching.—Instruction in the diagnosis and treatment of diseases of the skin will be given to small sections of the class in the college clinic. As the attendance of the outdoor department is very large, students have an excellent opportunity to become familiar not only with the common but with the rarer cutaneous affections. An X-ray and high frequency apparatus make up part of the equipment of the clinic, and the method of using these agents in the treatment of skin diseases will be taught to section classes. Drs. Rothwell, Hailperin, Cherry and Williams.

Laboratory Work.—In the dermatological laboratory and in the college clinic, sections of the class will be instructed in the microscopical examination of hairs and scales for parasitic fungi; methods of preparing culture media and differentiation of the dermatophytes. Methods of making biopsies, the manner of using physical agents in dermatology and other minor surgical procedures will also be demonstrated. Drs. Rothwell and Hailperin.

Facilities

Clinical material for section teaching and for illustrating the lectures is derived from the college clinic, and the dermatological wards of the New York Skin and Cancer Hospital.

The dermatological department includes a well-equipped laboratory which is provided with cultures of the parasitic fungi and several thousand sections of the common as well as the rare lesions of the skin. All the types of malignant diseases of the skin are represented in this collection. The laboratory is available for the advanced study of the pathology of cutaneous diseases.

OTOLOGY

Professor: Edward B. Dench
 Clinical Professor: C. E. Perkins
 Instructor: A. Kahn

Fourth Year

Lectures.—One each week, during the first half of the session, on the diseases of the ear. The various pathological conditions are described and demonstrated to the class by the use of large models. In this manner it is possible to give the class a clear idea of the appearance of the parts. In addition to the use of the models, both wet and dry anatomical specimens are presented for inspection. All operations are demonstrated on the cadaver. Particular care is taken to present the subject from the standpoint of the general practitioner and to render each student competent to treat intelligently those diseases of the ear which demand immediate attention. Professor Dench.

Section Teaching.—Small sections of the class will receive practical instruction in the examination of the ear and the diagnosis and treatment of aural disease. The section work is given in the college clinic, where the students are given the opportunity to study and to become familiar with all the commoner lesions. Professor Perkins and Dr. Kahn.

Operative Otology.—A practical demonstration of the various otological operations will be made upon the cadaver before small sections of the class.

Elective Course.—Operative clinic on otology at the New York Eye and Ear Infirmary, every Monday afternoon at three o'clock and at St. Luke's Hospital every Thursday afternoon at half past two o'clock. Professor Dench.

Special Work in Otology.—A special elective course in otology will be given for those students who have completed their section work and desire to avail themselves of this advanced instruction. This work will be carried on in the college clinic, where the material is ample for such instruction. Certain cases will be assigned to students taking this work, and they will be permitted to carry out the actual treatment of these cases, under the supervision of the attending otologists and their clinical assistants. In this way, the student may become familiar with the manual dexterity so necessary in treating cases of this kind. The material furnished by the college clinic is exceedingly large, and will enable students to observe all of the ordinary pathological conditions of the ear which are liable to be met with in practice.

Facilities

The clinical material used to illustrate the lectures and for the section teaching is drawn from the college clinic, the out-patient department of Bellevue Hospital, the New York Eye and Ear Infirmary and other sources.

LARYNGOLOGY AND RHINOLOGY

Professor: Lee M. Hurd
 Clinical Professor: J. McCoy
 Lecturers: A. J. Huey; J. Coleman

Fourth Year

Recitations.—One a week, during the first half of the session. There will be recitations in place of the lectures. Definite lessons will be assigned each week, which will be prepared from a text-book. The student will be marked on his recitations as well as on his final examinations. Professor Hurd.

Section Teaching.—Small sections of the class will be taught the regional anatomy of the nose and throat by means of preserved specimens and models; the methods of rhinological and laryngological examination, with an opportunity to practice those methods on cases, and the medicinal and operative treatment of cases or disease of the nose and throat. Professors Hurd and McCoy and Drs. Huey and Coleman.

Special Work.—An optional course in the diseases of the nose and throat is offered to those students who are prepared to take it. The course will include practical drill in diagnosis and treatment. Opportunities to perform minor operations will also be accorded to students who show sufficient proficiency.

Facilities

The clinical material available for instruction is drawn from the college clinic and the New York Nose, Throat and Lung Hospital and Bellevue Hospital.

Special Subjects

Short courses of lectures or demonstrations on the following subjects will be given during the fourth year:

Pathological Chemistry (Herter Lectures),
 Sanatorium Treatment of Tuberculosis,
 Medical Jurisprudence,
 X-Ray Technique,
 Life Insurance Examination,
 Ethics in Medicine.

Herter Lectureship on Pathological Chemistry

Dr. Christian A. Herter, former professor of pathological chemistry in the college, has given to the Council of New York University a fund to provide for an annual course of lectures on this subject.

The lecturer for session 1919-1920 will be announced later.

Special and Graduate Courses

The following courses of instruction, offered to graduates in medicine and others, are designed to meet the needs of those desirous of pursuing special advanced studies along the following lines. In some instances, the courses will be given only upon the application of a sufficient number of students. The prerequisite qualifications for the individual courses vary widely and it is always advisable to consult the head of the department in this regard. It is sometimes possible to take two or more of the courses at the same time. To those requiring more detailed information, folders will be sent on application. For general information with reference to these courses communicate with John H. Wyckoff, M. D., Secretary.

Courses in Public Health and Sanitation

Those interested in the advancement of public health have long recognized that it would be a great step in advance if sanitary officers in this country were required, before receiving their appointments, to have suitable knowledge and training in hygiene. The Public Health Commission appointed by ex-Governor Sulzer appreciated this fully, and made in their report a recommendation that "Medical Colleges in New York State introduce courses in sanitary science leading to a degree, which ultimately might be required of all health officers." The Public Health Council, in June, 1915, added a strong recommendation that the universities also give two shorter courses so that the majority of health officers would have at least some additional training to that which they now possess.

Three courses, therefore, have been developed in which laboratory work, lectures and field work will be combined. The courses follow the suggestions of the Public Health Council. Men and women who have had extensive experience in the service of the Department of Health of New York City will cooperate in making the courses of the greatest value. One of the most important of the courses, consisting of field work, laboratory work, lectures and conferences, will cover six consecutive weeks or the equivalent of one day a week for thirty weeks. The course leading to the degree

ARCHIVES
001
.A
1919-20
2d part

of doctor of public health for those having a degree of doctor of medicine begins or ends with the six weeks' course and continues, with optional work, for a further eight months to complete the first year and submit satisfactory evidence of having gained a knowledge in certain lines, the second year being devoted to original work and the writing of a thesis. Those who have not been in public health work must give the greater part of the day for the whole eight months. Those who have devoted themselves to this line of work for two or more years may be given credit for what they have learned and give only the hours required to complete the course, provided that at least 15 hours be given weekly.

This course will be given if ten or more students desire to take it.

There will also be an extension course covering three hundred hours of home reading on selected books and written examinations with a final week for inspections and work in the hospitals for contagious diseases and in the laboratories at the University. The extension course begins at any time.

Tuition Fees and Credit

New York City offers an unrivalled opportunity for the study of methods of disease prevention. Those who take the long course and pass the practical and written discussions on topics treated in the books will receive a certificate of efficiency in public health. Those having the degree of doctor of medicine, upon the completion of the course and the presentation of a satisfactory thesis showing evidence of nine months' original work on some problem connected with public health or sanitation, will receive the degree of doctor of public health.

The fee for the course leading to the degree of doctor of public health will be \$200 for the first year and \$25 for the second year.

The approval of the Commissioner of Health of New York City, as well as of the bureau chiefs of the Department of Health, permit the courses to be given under very favorable conditions.

The Correspondence Course

This course requires but one week's residence in New York, the balance of the work being taken by correspondence. A new course begins each year on October first, but health officers may commence at any time and finish at any time. The minimum number of hours of home study is three hundred, and the subjects are those selected by the Public Health Council. The reading matter consists of about three thousand printed pages. Those taking the course must designate in advance what days are to be spent in the city so that

suitable arrangements may be made for inspections and laboratory work.

The Residence Week

The week's work in the city may be taken either at the end of the course or at an earlier period, if the prescribed reading on communicable diseases, water, milk and bacteriology has been completed.

It is the desire of those giving the course to make the taking of this important week of practical work as little of hardship as possible. Courses are given, therefore, at six different dates, with the hope that some one of these periods will meet the convenience of every one. The six days can, if desired, be taken in the different periods.

Division of the Week's Course into Two or More Portions

The work in the city should, if possible, be taken in one week, but if necessary, it may be divided into two or three portions. The work of Monday and Tuesday cannot be taken up separately, nor that of Wednesday and Thursday.

As diphtheria, scarlet fever and measles rapidly diminish after June 1 and do not again increase much before October, it is hoped that as many as possible will take the two days devoted to laboratory work and communicable diseases in the month of May, so that a sufficient number of suitable cases may be present in the hospital wards for study and discussion.

The two days devoted to other work can be taken equally well at any time.

Examinations

Those taking the correspondence course will receive advice concerning the books and monographs to be read, and a series of questions covering the subjects studied will be mailed. These questions are to be answered as fully as possible and the answers will be corrected and discussed by experienced persons and returned. A final practical examination is given or in some cases a set of questions is sent in sealed envelopes which must be answered without help. Most of the books used are covered by a series of questions to be used and answered by the readers so as to judge themselves of their progress.

Required Books

Each student is required to own a recent edition of a comprehensive hygiene and bacteriology. The other books and pamphlets required in the course will be sent by parcel post as required. The only expense for the loaned books will be the postage. A deposit of \$5 will be required to defray the postage and the deterioration of the books.

The books used in the correspondence course can be returned or bought at a reduced price.

Fees

The fee for either the correspondence course or the summer residence course is \$25 in addition to the matriculation fee of \$5 for those who have not previously attended the University.

The Summer Residence Course

This course requires six weeks' attendance in New York during the summer. It will be given this year from June 9 to July 19. The subject matter covered is the same as in the correspondence course, but lecturers who have specialized in different departments of hygiene partially displace the reading and more time can be devoted to inspections and practical laboratory work. The three hundred hours are so divided that one and one-half hours are allowed for reading for every one devoted to inspections, lectures, and laboratory work.

The fee will be \$25 for the six weeks' course in addition to the matriculation fee of \$5.

This course is only given when ten or more apply.

Graduate Courses

Department of Anatomy

- I. Research in Anatomy.—Problems in vertebrate embryology. Professor Senior.
- II. Research in Human Anatomy, adult and developmental. Professor Thyng.

Department of Chemistry

- I. Research Courses.—Advanced and special work in the laboratory. Professor Mandel.
- II. Blood and Urine Analysis.—Advanced work on the chemical analysis of blood, urine and foods. Professors Mandel and Gettler.

Department of Pharmacology and Applied Therapeutics

- I. Research in Pharmacology.—Special work in assigned subjects. Professor Wallace.
- II. Hospital and Laboratory Course in Applied Therapeutics.—The therapeutic action of drugs on animals is investigated and their application to patients studied. Professors Brown and Wallace.

III. Research Course in Applied Therapeutics.—Special work, laboratory and clinical, in assigned subjects. Professors Brown and Wallace.

Department of Physiology

201-202. Research Courses.—Advanced and special work in the laboratory. Professor Jackson.

101-102. Nutrition and Diet Selection.—Study of the principles upon which normal and special diets are based. Professor Jackson.

103-104. Advanced Physiology.—Preparation for research work. Professor Jackson.

Department of Pathology

I. Systematic work along special or advanced lines will be carried out in any of the branches of pathology; gross, microscopic and experimental. Problems for original investigation will be assigned in suitable instances. Professor Symmers.

II. Clinical Pathology.—Practical courses and special investigations in the following topics:

1. Blood.—Methods of investigation of the blood and the study of pathological blood diseases.
2. Animal Parasites.—Morphological characters, development, with methods of collecting, preserving, examining, staining, and mounting Helminthes met with in tropical diseases.
3. Serology.—Complement fixation as in syphilis (Wassermann) and gonorrhœa. Precipitin tests and agglutination reactions.
4. Body fluids.—Investigations of cerebro-spinal fluid, exudates, transudates and cyst contents.
5. Examination of normal and pathological excreta, as urine, fæces, and sputum.
6. Investigations of normal and pathological gastric contents. Professor A. R. Mandel.

Department of Surgery

I. Course in Advanced Surgery, theoretical and applied.

- (a) Applied Surgery.—Study of cases in the wards. Professor Stewart.
- (b) Physiological surgery, laboratory course, experimental work with demonstrations of the relation of physiology to applied surgery. Dr. Draper.

(c) Selected operative surgery on the cadaver and surgical anatomy. This course is offered as a unit to surgeons desiring special work in the advanced problems of modern surgery; but individual portions of the course may be selected.

Course I—*Physiological Surgery.

A.—Digestive System

1. Experimental study of the comparative values of [the various modern hospital techniques, including methods of sterilization, preparation of patients and surgeons.
2. Methods of abdominal incision and closure, experimentally considered.
3. End results of intestinal suture following different methods and the use of different materials. Blood supply, its significance in anastomosis.
4. Experimental study of ulceration from an etiological standpoint. The importance of persistent irritation, traumatic, biochemical and bacterial.
5. Observation following intestinal obstruction; (1) duodenal; (2) ileal; (3) colonic. The significance of feeding intestinal mucosa.
6. Liver.
7. Pancreas.
8. Etiological studies in peritonitis. Absorptive coefficients of serous membranes.

B.—Excretory System, Circulatory System, Cerebro Spinal System

1. Estimation of the margin of safety in nephrectomy. Demonstrations of ureteral function and malfunction.
2. Hydronephrosis, etiologically considered.
3. Renal infection, etiologically considered.
4. Pneumonectomy, its marginal safety, mechanisms within the chest, provoking death.
5. The thyroid and parathyroids and adrenals.
6. Decompression. Optic neuritis. Experimental demonstration.
7. Experimental spina bifida.
8. Studies in regeneration of bone as demonstrated in the imbrication operation for Pott's Disease.

*Courses A 1 and 2 and B 1 and 2 are offered to senior students of special fitness based on third-year work.

Courses II—Research Work in Surgical Pathological Physiology

A. Alimentary Tract.

1. The dynamics of the alimentary canal. Dilatation, stricture, ulceration, tetany, autonomic relations.
2. Internal secretions of the duodenum in relation to death from intestinal obstruction.
3. Law of organic compensation in special relation to surgical therapeutics. Ileostomy and the vicarious assumption of colonic function.

B. Urinary Tract.

1. Dynamics of the ureter and bladder. Dilatation, stricture neuromuscular impairment.
2. Paramount importance of the ureteral prostalsis over the ureterovesical valve. Hydronephrosis and renal infection.
3. Surgical analogy between the alimentary and urinary neuromuscular tubes and valves.
4. Uretero-enteric anastomosis based on surgical physiology.

C. Cerebro-Spinal System.

1. Hyperthermia in connection with decompression.
2. Experimental studies in increased intradural pressure.
3. Experimental optic neuritis.
4. Experimental spina bifida.

Department of Bacteriology

- I. Course on Hygiene.—Lectures and field work similar to that taken in the third year of the medical course. Professor Park and special lecturers.
- II. Courses in Bacteriology.
 - (a) Principles of bacteriology similar to that taken in the second year of the medical course. Dr. Noble.
 - (b) Applied bacteriology, Professors Park, Krumwiede and Noble.
 - (c) Studies on a selected subject. Professors Park, Krumwiede and Noble and special lecturers in hygiene.
 - (d) Special course on principles of bacteriology on Saturday mornings.

Clinical Departments

The following courses have been arranged and are planned to occupy about six weeks each.

I. MEDICINE AND PHYSICAL DIAGNOSIS.

- II. CLINICAL AND OPERATIVE GYNECOLOGY.
- III. GENITO-URINARY DISEASES.
- IV. LARYNGOLOGY.
- V. OPHTHALMOLOGY.
- VI. PEDIATRICS.
- VII. DERMATOLOGY.

Clinical Facilities

The college possesses ample facilities for clinical teaching, and the school is pre-eminent as a school of practical medicine. This purpose has been constantly in view in the arrangement of the course of study.

THE COLLEGE CLINIC (in College Building).

This is a general medical and surgical clinic, and supplies aid for the outdoor sick poor. The situation is peculiarly advantageous, as it is just opposite Bellevue Hospital. It affords abundant material for practical clinical instruction in all departments of medicine and surgery. Connected with the clinic are the laboratories of bacteriology, pathology, and clinical microscopy, in which opportunity is given the student to make the necessary examinations of the blood, sputum, urine, etc.

THE EDWARD N. GIBBS MEMORIAL X-RAY LABORATORY

Through the generosity of friends of the college and in recognition of the medical services rendered to the late Edward N. Gibbs by members of the Bellevue Hospital medical staff, there has been established in connection with the college clinic the Edward N. Gibbs X-Ray Laboratory.

The laboratory is attached to the college clinic and is conducted to aid the medical and surgical staff of Bellevue Hospital and of the clinic in the diagnosis and study of obscure forms of disease among the patients under treatment in these institutions. The facilities of this laboratory will be used to illustrate the lectures on Roentgenology. It is maintained in the highest degree of efficiency by the founders. BELLEVUE HOSPITAL (26th Street and First Avenue).

Bellevue Hospital is directly across the street from the college buildings. It is the great city hospital especially used for acute diseases, has ten hundred and seventy-five beds, and receives annually about 25,000 patients. All of the great charitable institutions on Blackwell's, Ward's, Randall's, and Hart's Islands receive their inmates, numbering many thousands, through Bellevue Hospital or its out-patient department. In the *out-patient department* more than

fifty thousand new patients a year are treated, aside from those admitted to the various hospitals of the Department of Charities.

Medical Service

Hermann M. Biggs, M.D., Consulting Physician.
 Edward D. Fisher, M.D., Consulting Neurologist.
 Robert J. Carlisle, M.D., Visiting Physician.
 Samuel A. Brown, M.D., Visiting Physician.
 Theodore J. Abbott, M.D., Visiting Physician.
 Warren Coleman, M.D., Visiting Physician.
 James F. Nagle, M.D., Assistant Visiting Physician.
 George B. Wallace, M.D., Assistant Visiting Physician.
 Luther B. MacKenzie, M.D., Assistant Visiting Physician.
 Hubert V. Guile, M.D., Assistant Visiting Physician.
 John Wyckoff, M.D., Assistant Visiting Physician.
 Mills Sturtevant, M.D., Physician to Out-Patients and Adjunct Assistant Visiting Physician.
 E. David Friedman, M.D., Physician to Out-Patients and Adjunct Assistant Visiting Physician.
 William J. Pulley, M.D., Adjunct Assistant Visiting Physician.
 Cornelius J. Tyson, M.D., Physician to Out-Patients and Adjunct Assistant Visiting Physician.

Surgical Service

George D. Stewart, M.D., Director and Visiting Surgeon.
 John Douglas, M.D., Visiting Surgeon.
 Thomas A. Smith, M.D., Visiting Surgeon.
 Reginald H. Sayre, M.D., Assistant Visiting Surgeon in charge of Orthopedic Cases.
 Walter C. Cramp, M.D., Assistant Visiting Surgeon.
 Arthur M. Wright, M.D., Assistant Visiting Surgeon.
 Robert P. Wadhams, M.D., Assistant Visiting Surgeon.
 William C. Lusk, M.D., Assistant Visiting Surgeon.
 W. Howard Barber, M.D., Assistant Visiting Surgeon.
 Charles W. Walker, M.D., Assistant Visiting Surgeon.
 Walter W. Griffin, M.D., Adjunct Assistant Visiting Surgeon.
 John Nelson, M.D., Adjunct Assistant Visiting Surgeon.
 George A. Koenig, M.D., Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.
 George F. Cahill, M.D., Surgeon to Out-Patients and Adjunct Assisting Visiting Surgeon.
 Edward King, M.D., Adjunct Assistant Visiting Surgeon.
 Edward J. Riley, M.D., Assistant Surgeon to Out-Patients.

Gynecological Service

Henry C. Coe, M.D., Consulting Gynecologist.
 Eben Foskett, M.D., Assistant Visiting Surgeon.
 Edwin H. Holladay, M.D., Assistant Attending Surgeon.
 David Nye Barrows, M.D., Visiting Surgeon to Out-Patients and Adjunct Assistant Attending Surgeon.
 John Francis McGrath, M.D., Visiting Surgeon to Out-Patients and Adjunct Assistant Attending Surgeon.
 James Patrick Hennessy, M.D., Visiting Surgeon to Out-Patients and Adjunct Assistant Attending Surgeon.
 Arthur M. Reich, M.D., Visiting Surgeon to Out-Patients and Adjunct Assistant Visiting Surgeon.

Obstetrical Service

Austin Flint, M.D., Visiting Obstetrician.
 William E. Caldwell, M.D., Assistant Visiting Obstetrician.
 Frederick W. Rice, M.D., Adjunct Assistant Visiting Obstetrician.

Genito-Urinary Service

Alfred T. Osgood, M.D., Associate Visiting Genito-Urinary Surgeon.
 A. R. Stevens, M.D., Assistant Genito-Urinary Surgeon.
 O. S. Lowsley, M.D., Assistant Visiting Genito-Urinary Surgeon.
 W. H. McNeill, Jr., M.D., Adjunct Assistant Visiting Genito-Urinary Surgeon.

Psychiatric Service

Menas S. Gregory, M.D., Chief Alienist and Director, Psychopathic and Alcoholic Wards.

Pathological Chemist

A. O. Gettler, Ph.D.

Pathologist

Douglas Symmers, M.D.

HARLEM HOSPITAL (Lenox-Avenue, 136th Street).

Reached by electric cars from College Building. Is allied with Bellevue Hospital and has a large out-patient department. Students are assigned in small sections for clinical instruction in the medical and surgical wards.

Professor L. K. Neff, Visiting Physician.
 Professor J. T. J. Bird, Visiting Physician.
 Professor H. A. Haubold, Visiting Surgeon.
 Professor W. H. Lockett, Visiting Surgeon.
 Dr. J. E. Lumbard, Anesthetist.

CITY HOSPITAL (formerly Charity Hospital, Blackwell's Island).

This is the great City Hospital for chronic and venereal diseases. It has about one thousand beds, and is reached from the pier at Bellevue Hospital by the steamers of the Department of Charities.

Professor Harlow Brooks, Visiting Physician.

Dr. C. E. Quimby, Visiting Physician.

Dr. William Steinach, Visiting Neurologist.

Dr. Edmund P. Shelby, Visiting Physician.

Dr. John H. Carroll, Assistant Visiting Physician.

Dr. I. J. Levy, Assistant Pathologist.

Section teaching and hospital clinics may be given at this institution.

MANHATTAN STATE HOSPITAL FOR THE INSANE (Situated on Ward's Island).

This hospital is reached by ferry from the foot of East 116th Street. Boats leave every half hour.

This hospital (the largest in the world) has 4,500 insane patients, and opportunities afforded the students for the study of various forms of mental diseases are unsurpassed.

Emeritus Professor Carlos F. MacDonald, Consulting Physician.

Professor E. D. Fisher, Consulting Physician.

Professor Wm. C. Lusk, Consulting Surgeon.

Professor Chas. E. Quimby, Consulting Physician.

Professor Chas. A. Elsberg, Consulting Physician.

WILLARD PARKER AND RECEPTION HOSPITALS, AND THE RIVERSIDE HOSPITAL FOR CONTAGIOUS DISEASES (Department of Health of New York City).

The Willard Parker and Reception Hospitals are situated at the foot of East 16th Street. These hospitals are devoted to the treatment of scarlet fever and diphtheria, and to the reception of other contagious diseases.

Practical bedside instruction in the diagnosis of these diseases is afforded to students during the fourth year. Professor Nicoll.

These institutions are easily accessible by street car from the college buildings, and contain about six hundred beds.

The Riverside Hospital is reached from the foot of East 16th Street by steamers of the Department of Health, or from East 132d Street.

It is devoted to all forms of contagious disease, and has facilities for accommodation of more than three hundred patients.

Professor M. Nicoll, Jr., Visiting Physician.

PRESBYTERIAN HOSPITAL (Madison Avenue and 70th Street).

Accessible by electric cars from the college. This is a large modern general hospital containing three hundred and thirty beds.

Opportunities for bedside instruction are afforded to members of fourth year class in small sections.

Professor W. P. Northrup, Visiting Physician.

Professor A. T. Osgood, Visiting Genito-Urinary Surgeon.

ST. VINCENT'S HOSPITAL (Seventh Avenue and 12th Street).

Large general hospital containing about three hundred beds. Reached by street car from college building.

Professor Hermann M. Biggs, Visiting Physician.

Professor George D. Stewart, Visiting Surgeon.

Professor A. R. Mandel, Assistant Visiting Physician.

Professors William M. Ford and A. M. Wright, and Dr G. R. Stuart Assistant Visiting Surgeons.

Professor Douglas Symmers and Assistant Professor Alexander Fraser, Pathologists.

Professor E. D. Fisher, Consulting Neurologist.

Professor R. H. Sayre, Consulting Orthopedic Surgeon.

MT. SINAI HOSPITAL

Opportunities in this institution for clinical teaching have been placed at the disposal of the University and Bellevue Hospital Medical College. According to the arrangement, students of the fourth year will be definitely assigned to the medical and surgical wards of the hospital and their work will be supervised by representatives of the medical staff appointed to the faculty. Professors Manges, Meyer, Elsberg and Nathan.

MONTEFIORE HOME.

The hospital is located at 210th Street and Gunhill Road. Arrangements have been made whereby students may be sent to the hospitals for assignment to the medical and surgical wards for clinical instruction.

Professor Alfred Meyer, Consulting Physician.

Professors Harlow Brooks and Maurice Fishberg, Visiting Physicians.

Professors I. Abrahamson and C. A. Elsberg, Visiting Neurologists.

Professor Charles Goodman, Visiting Surgeon.

Professor P. W. Nathan, Visiting Orthopedic Surgeon.

Professor I. Levin, Chief of Cancer Research.

BETH-ISRAEL HOSPITAL.

The hospital is located at Monroe, Jefferson and Cherry Sts. and contains 150 beds. Students are assigned in small sections for clinical instruction in the wards.

Professor George D. Stewart, Consulting Surgeon.

Emeritus Professor H. C. Coe, Consulting Gynæcologist.

Professor A. F. Hess, Visiting Physician to Children.

Professor Charles Goodman, Visiting Surgeon.

NEW YORK FOUNDLING HOSPITAL (68th Street, between Third and Lexington Avenues).

Reached by street car from college building. Is under the charge of the Sisters of Charity. Instruction in diseases of children is given here to fourth-year students by Professors Northrup, Freeman and Nicoll, and Dr. O'Dwyer.

The O'Dwyer Memorial Clinic, established in 1898 in this institution. Professors Northrup and Freeman.

MANHATTAN MATERNITY AND DISPENSARY (on 60th Street between First and Second Avenues).

This is a small hospital which was opened for patients in February, 1905. It conducts an indoor and outdoor obstetrical service and provides a practical course for students. The certificate of this hospital is accepted by the college as complying with all the requirements for actual attendance on labor cases.

Professors Flint and Dr. Ford are on the attending staff.

NEW YORK NURSERY AND CHILD'S HOSPITAL (161 West 61st Street).

Hospital for foundlings and children of two years, homeless mothers nursing their infants and confinement cases.

Professors Freeman, Flint, Studdiford, and Caldwell are members of the Attending Staff.

NEW YORK EYE AND EAR INFIRMARY (13th Street and Second Avenue).

Easily accessible by Second Avenue electric cars. Students of the college attend the operative clinic of Professor Dench, Mondays at 3:00 P.M., and Professor Weeks, Thursdays, at 3:00 P.M.

PRIZES AND HOSPITAL APPOINTMENTS**Mott Prize Medals**

By the will of the late Dr. Valentine Mott, a founder of the University Medical College, and for many years its president and professor of surgery, perpetual provision was made for the following medals:

A gold medal to the candidate who shall prepare the best anatomical or anatomico-surgical preparation.

A silver medal to the second best preparation.

A bronze medal to the candidate who shall furnish the best notes (typewritten) of recorded cases and remarks of the professor of either of the surgical clinics.

Candidates for graduation, as well as first, second and third year students, may compete for these medals.

The preparations shall belong to the University Mott Prize Museum and be labeled with the name of the maker.

Reports of cases shall belong to and be deposited in the library.

The specimens are to be presented anonymously, accompanied by a device or motto.

The medals are not to be awarded except when the specimens presented are of sufficiently good character.

Further information regarding the preparations or reports will be furnished by the professor of anatomy or surgery, respectively.

THE CHRISTIAN A. HERTER RESEARCH SCHOLARSHIP.—This scholarship was founded for the encouragement of research in chemical pathology, or physiological chemistry or pharmacology. The annual income (\$300) will be awarded each year to a graduate, or undergraduate, who has already demonstrated aptitude for physiological and chemical research.

THE GLOVER C. ARNOLD SURGICAL PRIZE.—A prize of one hundred dollars is offered to any member of the senior class passing the best examination in general surgery. This prize was established by the family of the late Dr. Glover C. Arnold, a graduate of the Bellevue Hospital Medical College, class of 1873. This prize was awarded to Edward Meakin Livingston, session 1918-1919.

THE EGBERT LEFEVRE SCHOLARSHIP was founded by the Council of New York University on February 17, 1916, in memory of Dr. Egbert LeFevre. The candidate for this scholarship is chosen by the faculty of Rutgers College from the members of the graduating class.

HOSPITAL APPOINTMENTS.—The graduates of this college are eligible for admission to the competitive examinations held for positions on the house staff of the following hospitals. In addition to those in the hospitals in the Department of Public Charities, there are no less than twenty-four hospitals, not including special hospitals, in which appointments to the house staffs are open to competition. The most prominent of these are the Bellevue Hospital, City Hospital,

Harlem Hospital, Gouverneur Hospital, Fordham Hospital, St. Luke's Hospital, the New York Hospital, St. Vincent's Hospital, St. Francis' Hospital, General Memorial Hospital, Mount Sinai Hospital, the German Hospital, the French Hospital, the Italian Hospital, Roosevelt Hospital, N. Y. Post Graduate Hospital, St. Mark's Hospital, New York Foundling Hospital, Willard Parker Hospital, Riverside Hospital, Reception Hospital, Kingston Ave. Hospital, Washington Heights Hospital, Woman's Hospital.

All of the members of the graduating class, session 1918-1919 have received hospital appointments.

Division of the Examinations for License to Practice Medicine in New York State

In 1901 the Medical Law was amended to give the Regents power to admit conditionally to the licensing examinations in anatomy, physiology and chemistry, applicants certified as having studied medicine not less than two full years of at least nine months each, including two satisfactory courses of at least six months each, in two different calendar years, in a medical school registered as maintaining at the time a satisfactory standard; provided that such applicants are more than 19 years of age, of good moral character, and have the requisite preliminary education, and pay a fee of \$25.00; the final examinations in hygiene and sanitation, surgery, obstetrics, gynecology, pathology including bacteriology and diagnosis, to be met after having finished the full period of study and having received the medical degree. The Regents may, in their discretion, accept as the equivalent of the first year of medical study evidence of graduation from a registered college course, provided that such college course shall have included not less than the minimum requirements prescribed by the Regents for such admission to advanced standing.

Medical Examinations

Examinations for license to practice medicine in this State will be held on the following dates:

1920
Jan. 27-30
May 18-21
June 29-July 2
Oct. 5-8

Each candidate is notified as to the exact place.

Address all communications concerning license examinations to Examination Division, Department of Education, Albany, N. Y.

Students who have passed anatomy, chemistry, physiology and hygiene will be admitted to advanced standing in this college without further examination in these subjects.

Medical Preparatory Course

Requirements for admission to the University and Bellevue Hospital Medical College include two years of college work in addition to graduation from an approved four-year high school course covering certain required courses or its equivalent. This college work must include courses in physics, chemistry, and biology. To meet this requirement the College of Arts and Pure Science of New York University offers a two year medical preparatory course which includes these required subjects, the certificate of completion of which entitles the student to admission to the first year of the Medical College.

This course is offered in two divisions; the first, for those completing their secondary preparation in June, will extend throughout the regular college year from September to the following June, the second, for those completing their high school course or its equivalent in January, will extend from February 2 to September 18, 1920. A student who is prepared for college at the middle of the year will thus be enabled to enter the sophomore class the following October and save one year's time in the preparation for his profession.

Admission

Entrance to the preparatory college course for medical students will be based upon any one of the following evidences of qualifications:

- (1) A diploma of graduation from a four-year high school course recognized by the Regents of the University of the State of New York.
- (2) A certificate of the Regents of the University of the State of New York, earned by passing 72 counts at 75 per cent. and showing that the applicant has completed the equivalent of a four-year high school course.
- (3) A certificate of the College Entrance Examination Board covering fifteen units of secondary school subjects.
- (4) Entrance examinations of the College covering fifteen units of secondary school subjects.
- (5) A certificate of admission to the freshman class of a recognized college.

NOTE: All certificates presented for admission to the Medical Preparatory Course must show that the applicant has completed fifteen units of secondary school subjects, including those prescribed for admission to Section A or Section B. See College Bulletin for detailed statement.

Matriculation

Matriculation and registration will follow the general regulations except that students entering for February-September division may matriculate and register at any time during the week preceding the opening of the term.

For matriculation blanks and further information apply to Dean A. L. Bouton, New York University, University Heights, New York City.

Fees

Fees for the Medical Preparatory Course are as follows:

Matriculation fee (paid once only)	\$5.00
Tuition fee	185.00
Total laboratory fees for each year	\$26.00 to \$36.00
Athletic Association fee	5.00
Fee for non-athletic student activities	5.00

The tuition fee is payable \$110 at the beginning of the first term, and \$75 at the beginning of the second term, ten days' grace being allowed at the end of which time non-payment will debar from classes. This rule applies also to room rents.

Calendar

The first (September-June) division will begin on Monday, September 22 and extend to Wednesday, June 9, with the following holidays: November 4, Election Day; November 27-29, Thanksgiving recess; December 24-January 3, Christmas recess; April 1-5, Easter recess; May 30, Memorial Day.

The second (February-September) division will begin on February 2nd, will continue to September 18 with the following holidays and vacations: April 1-5, Easter recess; May 30, Memorial Day; June 7-12, Commencement recess, and July 4, Independence Day.

ROLL OF STUDENTS, 1918-1919*

FOURTH YEAR CLASS

- Abrams, Joseph 53 Manhattan Ave., Brooklyn, N. Y.
 Amsterdam, Alton Louis 108-110 Stanton St.
 Babbin, Jacob 336 Ellery St., Brooklyn, N. Y.
 Becker, Curtis John 1156 Richmond Ter., Livingston, S. I.
 Behrens, Herman 2185 Boulevard, Jersey City, N. J.
 Bennett, John W. Patchogue, N. Y.
 Blankfein, Abraham 1313 Brook Ave.
 Bogatko, Anthony S. 1050 East Grand St., Elizabeth, N. J.
 Brunner, Matthew 892 Eastern Parkway, Brooklyn, N. Y.
 Bull, Louis, Sc. B. 430 West 116th St.
 Caponegro, Francis 174 Canal St.
 Casey, Albert H. 216 N. Geneva, St., Ithaca, N. Y.
 Casteen, Kenan, Sc. B. Rose Hill, N. Y.
 Cohen, Charles R. 341 Hopkinson Ave., Brooklyn, N.Y.
 Cohen, Morris, Sc. B. 1208 40th Street, Brooklyn, N. Y.
 Comora, Alexander 349 West 35th St.
 Comora, Herman 321 Summit Ave., W. Hoboken, N. J.
 Cunningham, Henry K. 914 S. Gay St., Knoxville, Tenn.
 Damico, Americ G. 107 East 127th St.
 Dienstag, Louis 1230 Boston Road
 Dobroczyński, Barnett 216 East Houston St.
 Ebeling, Albert Henry 392 Scranton Ave., Lynbrook, N. Y.
 Eckert, William 116 Jefferson St., Union Hill, N. J.
 Econom, Peter J. 428 East 145th St.
 Engelser, David L. 38-40 Stuyvesant St.
 Enselberg, Herman L. 175 Vernon Ave., Brooklyn, N. Y.
 Epstein, Irving 343 Vernon Ave., Brooklyn, N. Y.
 Farber, David 1760 Bergen St., Brooklyn, N. Y.
 Ferber, Samuel J. 311 East 3rd St.
 Fink, Abraham 20 Belvidere St., Brooklyn, N. Y.
 Flandina, Anthony 24 Anaple St., Long Island City, N. Y.
 Francis, Charles Collins, A. B. 23 Everett Ave., Ossining, N. Y.
 406 West 127th St.
 Fox, Louis 1270 49th St., Brooklyn, N. Y.
 Gershnowitz, Edward I. 1002 Garrison Ave.
 Gibson, Charles A. (Deceased)
 Goldring, Morris 166 Rodney St., Brooklyn, N. Y.
 Goldstein, Julius 274 Madison St.

*Where no city is given, New York is meant.

Greenberger, Monroe E. 203 West 112th St.
 Hershkowitz, Louis J. 935 East 163rd St.
 Hochman, Louis 110 First St.
 Hochbrückner, J. Phillip Wolcott, N. Y.
 Holters, Otto R. 2632 Eighth Ave.
 Hoops, Harold John 167 Ege Avenue, Jersey City, N. J.
 Israelowitz, Benjamin 935 Glenmore Ave.
 Johnson, Austin B. Inwood, L. I., N. Y.
 Josell, Morris N. 76 Varet St., Brooklyn, N. Y.
 Kirschner, William L., Ph. G. 80 West 82nd St.
 Krugman, Bertram 878 Kelly St.
 Levine, Israel 364 Palisade Ave., Jersey City, N. J.
 Levkovski, Meier 600 Fifth Ave., Brooklyn, N. Y.
 Lilienfeld, Michael C. C. 230 East 3rd St.
 Livingston, Edward M., Sc. B. Platteville, Wis.
 Malatesta, Charles S. 308 Garden St., Hoboken, N. J.
 Manheim, Sylvan D. 1012 Simson St.
 Marks, Joseph 210 S. Main St., Warren, R. I.
 Maupin, J. Gibson, B. L. The New Weston
 McLave, Evan W. *Hastings-on Hudson, N. Y.*
 155 Dean St., Brooklyn, N. Y., c/o Holy Family Hospital
 Mirkin, Charles S. 960 East 173rd St.
 Mirkin, Isadore K. 960 East 173rd St.
 Morhard, Francis Louis 907 Cauldwell Ave.
 Munzer, Milton 85 Union Ave., Brooklyn, N. Y.
 Nammack, Griswold D. 21 Mott Ave., Far Rockaway, N. Y.
 Paskofsky, William M. 211 Division St.
 Rappaport, Albert 301 Hewes St., Brooklyn, N. Y.
 Rogers, Henry W. 326 B President St. Brooklyn, N. Y.
 Rosenberg, David 25 Gouverneur St.
 Rowland, John H., Sc.B. 208 *Commercial Ave., New Brunswick N. J.*
 Rubinstein, Percy M., B. A., Ph. G. 46 East 21st St.
 Russomanno, Raphael 28 Factory St., Newark, N. J.
 Saphir, Sidney M. 118 First St.
 Shapiro, Shepard 27 East 32nd St.
 Sherwin, Benjamin 960 Freeman St.
 Schwartz, Nathan 910 Intervale Ave.
 Shiffman, Harry 253 East 148th St.
 Sileo, Francis A. 143 Mott St.
 Singer, Max 519 South 11th St., Newark, N. J.
 Spitz, Harry 3 West 117th St.
 Steiner, Edward C. 134 Third Ave., Long Island City, N. J.

Tabor, Gilbert S. Dover Plains, N. Y.
 Taferner, Joseph A. 2070 Belmont Ave.
 Tannert, Carl H. 331 33rd St, Woodcliffe, N. J.
 Thompson, Edgar S., Sc.B. *Fairmount, N. C.* 145 East 30th St.
 Tower, Paul 233 East 21st St.
 Wechsler, Mendes S. 964 Fox St.
 Weiss, Morris M. 69 Moore St., Brooklyn, N. Y.
 THIRD YEAR CLASS
 Alexander, Milton H. 2048 Mapes Ave., Bronx, N. Y.
 Alper, Jacques P. 164 Madison St.
 Amzalak, Sol *Alexandria, Egypt* Box 55, Hempstead L. I., N. Y.
 Anopol, George 502 West 139th St.
 Apperman, Isaac 472 Gates Ave., Brooklyn, N. Y.
 Arnold, Jacob 1585 Madison Ave.
 Barbarito, William Nicholas 435 Main St., Danbury, Conn. 69
 Madison Ave.
 Bendetson, Joseph Selic 910 Avenue C, Brooklyn, N. Y.
 Berkowitz, Sigmund 75 East Second St.
 Bloch, Harry 359 E. Jersey St., Elizabeth, N. J.
 Bloom, Jacob 401 East 16th St.
 Blum, Henry 1390 Prospect Ave.
 Bove, Joseph 72 Park St., Orange, N. J.
 Brody, Morris 10 Rutgers Place
 Buda, Mario A. 401 East 16th St.
 Chianchiano, Giachino 616 Park Ave., Brooklyn, N. Y.
 Cohen, Abraham N. Tarrytown, N. Y.
 Cohen, Meyer 133 West 116th St.
 Cohen, Moses 1441 53rd St., Brooklyn, N. Y.
 Cumbler, George 106 23rd St., Elmhurst, L. I.
 Curran, William L. *North Adams, Mass.* 152 E. 22nd St.
 Decker, Albert *Hoopeston, Ill.* 542 West 124th St.
 DePietro, Joseph 186 Spring St.
 DiGiorgi, Matthew 444 East 118th St.
 Donheiser, Emanuel 850 East 161st St.
 Fauerbach, Louis, Jr., Sc. B. *Madison, Wis.* 2017 Concourse
 Federman, Samuel 86 Grand St., Hoboken, N. J.
 Feigin, Samuel 1095 Dumont Ave., Brooklyn, N. Y.
 Feinberg, Harris 911 Tiffany St.,
 Fine, Jacob 81 Henry Street, Stamford, Conn.
 Fisher, Irwin 146 Essex St.
 Ford, Francis, A. B. Jeanette, Pa.
 Frankel, Mandel 353 Beekman Ave.,

- Frevola, John 208 21st St., Brooklyn, N. Y.
 Ginsburg, Meyer 1534 48th St., Brooklyn, N. Y.
 Gochman, Harry M. 280 South 2nd St., Brooklyn, N. Y.
 Goldberg, Burtis E. *Belgrove Drive, Arlington, N. J.* 172 Lexington Ave.
 Greisman, Harry 39 Avenue D
 Grimaldi, Americo J. *1914 Seventh Ave., Tampa, Fla.* 69 Madison Ave.
 Hannan, Bernard D. *16 Rogers St., Glens Falls, N. Y.* 338 East 26th St.
 Hechtman, Aaron 17 Varet St., Brooklyn, N. Y.
 Herrman, Harold C. 24 East 99th St.
 Hirsch, John 673 Driggs Ave. Brooklyn, N. Y.
 Ide, David 69 East 109th St.
 Jaffe, Hyman L. 253 Madison St.
 Kera, Henry M. 526 East 5th St.
 Kestenbaum, Charles 109 Second Ave.
 Kimbrig, Max 1154 DeKalb Ave., Brooklyn, N. Y.
 Klein, Samuel M. 55 West Jackson Ave., Corona, L. I.
 Koblenz, William *117 Oak St., Bridgeport Conn.* 1636 Washington Ave.,
 Kolb, Martin John *821 N. American St., Stockton, Cal.* 725 Symms St., West Hoboken, N. J.
 Kornblut, Abraham *318 Main St., Ansonia, Conn.* 148 East 27th St.
 Landon, Hyman R. 510 East 5th St.
 Lederfeind, Nathan 401 South James St., Rome, N. Y.
 Lefkowitz, Harold 1645 Park Ave.
 Lehman, Max 109 Second Ave.
 Levin, Charles M. 1736 Walnut St., Glen Morris, L. I.
 Levy, Abraham, 76 Rockaway Ave., Brooklyn, N. Y.
 Lorenz, Adolph 31 West 129th St.
 Lueddecke, Roland E. 147 Sherman St., Passaic, N. J.
 May, Israel 98 Boerum St., Brooklyn, N. Y.
 McManus, James P., Ph. G. *Towners, N. Y.* 152 E. 22nd St.
 Miller, Lester 700 St. Marks Ave., Brooklyn, N. Y.
 Musante, Joseph B. *Glen Cove, L. I.* King's County Hospital, Brooklyn, N. Y.
 Nachumson, Edward M., A. B. 1187 Lexington Ave.
 Newman, Louis 1427 Madison Ave.
 Newman, Samuel 148 East 27th St.
 Odén, Constantine, A.B. *Belvidere, Ill.* 338 E. 26th St.

- Otto, Harold L., D.D.S. 385 Convent Ave.
 Pagliughi, John 405 Park Ave., Union Hill, N. J.
 Parry, Oliver K., A. B. *3387 Highland Drive, Salt Lake City, Utah.* 152 E. 22nd St.
 Pierson, S. Herbert *216 Monroe St., Syracuse, N. Y.* Children's Hospital, Randall's Island.
 Pindler, Louis A. 41 Floyd St., Brooklyn, N. Y.
 Pirundini, Anthony 148 Lorimer St., Brooklyn, N. Y.
 Posner, Abraham Charles 273 Wyona St., Brooklyn, N. Y.
 Preas, Bruce B. *Johnson City, Tenn.* 152 E. 22nd St.
 Prewitt, Pro. V, A. B., M. A. 417 West 120th St.
 Raab, Abraham 105 East 2nd St.,
 Rabinowitz, I. Mark 1689 St. Johns Place, Brooklyn, N. Y.
 Reich, Samuel 91 Jefferson St., Brooklyn, N. Y.
 Reich, William, 108 East 116th St.
 Reitnauer, John S. 129 Lexington Ave.
 Rembe, Walter J. 2540 Boulevard, Jersey City, N. J.
 Ridgway, James B. *Jackson, Miss.* 311 East 193 St.
 Rose, Ben Henry 119 Henry St.
 Rosenblum, Jacob 259 West 112th St.
 Rosenblum, Samuel A. 41 Henry St.
 Rosenfield, Harold H. *Main Street, Manville, R. I.* 843 Boulevard, East Weehawken, N. J.
 Ruskin, Simon Lyon 1625 Eastern Parkway, Brooklyn, N. Y.
 Salzman, Nathan 77 Lane St., Paterson, N. J.
 Scheer, Henry Isaac, Sc. B. 472 East 146th St.
 Schepps, Jesse 141 Stockton St., Brooklyn, N. Y.
 Schiff, Charles H. 127 Vernon Ave., Brooklyn, N. Y.
 Schiff, Irwin 914 Myrtle Ave., Brooklyn, N. Y.
 Schimpf, William Howard 443 West 34th St.
 Schokolink, Irving 205 Broome St.
 Seidman, Philip 1431 Madison Ave.
 Seligman, Bernard 277 South Fifth St., Brooklyn, N. Y.
 Siragusa, James J. 11 Vassar St., Dorchester, Mass.
 Slayton, Maximillian H., A. B., M. A. 12 East 114th St.
 Smith, George Hynes, D. O., 151 East 21st St.
 Solk, Arthur G. 33 Fourth Ave., Long Branch, N. J.
 Sternberg, Bernard 905 Gates Ave., Brooklyn, N. Y.
 Thron, Daniel, 1230 Southern Boulevard.
 Telson, David R. 1317 53rd St., Brooklyn, N. Y.
 Tennen, Joseph Seymour 99 Stockholm St., Brooklyn, N. Y.

- Tolkowsky, Nathan R. 581 E. Washington Ave., Bridgeport, Conn.
565 W. 139 St.
Wagner, George A. Rockaway Park, N. Y. 152 E. 22nd St.
Wanderer, Henry 279 East 3rd St.
Weinberg, Jacob 372 Alabama Ave., Brooklyn, N. Y.
Weinstein, Sydney 91 Utica Ave., Brooklyn, N. Y.
Weinstock, Louis 117 First Ave.
Weissman, Louis 307 East 79th St.
Wellen, Isidore 22 East 109th St.
Wertheim, Hippolyte M. 1000 Simpson St.

SECOND YEAR CLASS

- Altman, Harry 915 Fox Street
Amerman, Elmer E. Stoutenberg Ave., Maspeth, L. I.
Azzara, Emanuel 140 Jefferson St.
Bashein, Hyman 68-70 McKibben St., Brooklyn N. Y.
Benjamin, Harold 37 High St., Jersey City, N. J.
Berg, Samuel 92 South 13th St., Newark, N. J.
Berlowitz, David M. 105 Henry St.
Berlowitz, Harry 199 McKibben St., Brooklyn, N. Y.
Berman, Harry Bedford, N. Y. 55 East 115th St.
Bernstein, Eugene 1295 Fulton Ave.
Bisher, William 322½ East 50th St.
Bloom, Oscar H. 113 Bondman Ave., Jamaica L. I., N. Y.
Blum, Harry 31 Garden St., Brooklyn, N. Y.
Blum, Isador 289 Reid Ave., Brooklyn, N. Y.
Blumenkranz, Nathan 704 Fifth St.
Bonomo, Michael J. 86 Bedford St., East Orange, N. J.
Brody, Edward Leon, 140 Floyd St., Brooklyn, N. Y.
Buehler, John Benjamin, D. O. 1643 Taylor Ave.
Cady, Donald Watson, A.B. 4 Boulevard, New Rochelle, N. Y.
Candido, Joseph L. 184 Belleville Ave., Newark, N. J.
Cantor, Jacob 141 Attorney St.
Catalonello, Michael 2723 Fort Hamilton Ave., Brooklyn, N. Y.
Ciervo, Salvatore 192 Grand St.
Coffin, George J., A.B. 344 West 71st St.
Cohen, Jacob 35 West 117th St.
Daiell, Hyman 866 Myrtle Ave., Brooklyn, N. Y.
Davidoff, Bernard 276 Broome St.
DeGraff, Arthur C. 524 Madison Ave., Paterson, N. J.
DeLaney, Oscar M. 11 Lincoln Ave., Dover, N. J. Kings County
Hospital, Brooklyn, N. Y.

- DePoto, A. Amedeo 415 Grand Ave., New Haven, Conn.
Deutsch, Joseph 16 West 117th St.
Dillon, Samuel 1381 Washington Ave.
Einhorn, Moses 1227 Boston Road
Elisberg, Simon 1390 Clay Avenue
Epstein, Joseph N. 1111 Southern Boulevard,
Feinberg, Nathan 2228 Second Ave.
Fishberg, Mark I. 1526 East Parkway, Brooklyn, N. Y.
Friedman, Jacob 136 West 111th St.,
Frieman, David 936 Intervale Ave.,
Geiger, William E. 187 McKibben St., Brooklyn, N. Y.
Gilman, Hyman 1110 Forest Ave.
Glaser, Emanuel 842 Flatbush Ave., Brooklyn, N. Y.
Goebel, Martin 120 Nassau Ave., Brooklyn, N. Y.
Goldberg, Isaac 58 West 117th St.
Goldstein, Solomon 494 Sackman St., Brooklyn, N. Y.
Gorfinkel, Arthur 87 Waverly St., Yonkers, N. Y.
Gresser, Edward Bellamy 1185 Lexington Ave.
Habersack, Alexander J. 840 Trinity Ave.
Hart, Charles J. 216 East 39th St.
Heaton, Claude E. 3089 Broadway
Hertz, David, (deceased)
Heyman, Arthur 1328 48th St., Brooklyn, N. Y.
Higgins, Thomas A. 27 Beacon Ave., Jersey City, N. J.
Holzman, Abraham 452 West 163rd St.
Isaacson, Barney 457 Grand St.
Jackson, John W. Ft. Plain, N. Y. 170 Lexington Ave.
Kalina, Emanuel F. 3224 Surf Ave., Coney Island, N. Y. 607
Willoughby Ave., Brooklyn, N. Y.
Karp, Hyman W. 417 Ralph Ave., Brooklyn, N. Y.
Katz, Edward, 128 Union St., Springfield, Mass. 19 W. 16th St.
Kava, Harry L. 33 West 129th St.
Kelly, Raphael M. 350 East 32nd St., Brooklyn, N. Y.
Klein, Leo L. 493 Second Ave.
Knapp, Victor 65 Bay 32nd St., Brooklyn, N. Y.
Kovnat, Maurice 757 Trinity Ave.
Last, Samuel E. 58 Meeker Ave., Brooklyn, N. Y.
Lefkowitz, Louis 317 Rivington St.
Lerner, Charles 199 Forsyth St.
Levin, Aaron 64 East Broadway
Lubash, Samuel 52 Freedom Ave., Richmond Hill, N. Y.
MacArthur, Clymont North Branch, N. J. 152 E. 22nd St.

Maslow, Herman 480 Willoughby Ave., Brooklyn, N. Y.
 Matus, Morris R. 1424 Park Place, Brooklyn, N. Y.
 Marano, Michael A. 512 Adams St., Hoboken, N. J.
 Mensher, Ira N. 646 Bushwick Ave., Brooklyn, N. Y.
 Moore, John F., Jr. 843 West End Ave.
 Morchand, Charles 882 Kelly St.
 Myers, Solomon 18 Messerole St., Brooklyn, N. Y.
 Nitzberg, Samuel 670 Warwick St., Brooklyn, N. Y.
 Neifeld, Harold 243 Hewes St., Brooklyn, N. Y.
 O'Connor, Harry A. D. *Jewell, Iowa* 170 Lexington Ave.
 Olenik, Jacob 145 Madison Ave.
 Palevitz, Samuel 785 East 181st St.
 Palley, Nathan 371 Sutter Ave. Brooklyn, N. Y.
 Perlowitz, Herman L. 47 St. Nicholas Ave.
 Pietri, Raul *Ponce, P. R.* 15 West 107th St.
 Rapaport, Reuben 1225 Boston Road
 Rosenfeld, Jack D. 870 Kelly St.,
 Rosett, Leonard 1350 Clinton Ave.
 Sarrow, Louis A. 102 West 115th St.
 Schlossman, Saul 540 Ninth Ave.
 Schusterson, William 715 East 9th St.
 Schwartz, Robert 267 Second St.
 Scott, Walter Lincoln 20 Hancock Ave., Yonkers, N. Y.
 Seinfeld, Irving 167 Harrison Ave., Brooklyn, N. Y.
 Shapiro, Charles S. 324 Stone Ave., Brooklyn, N. Y.
 Shapiro, Matthew 90 Sheriff St.
 Sher, Maurice Arthur 102 Graham Ave., Brooklyn, N. Y.
 Sherman, Byron G., M. P. E. *Putnam, Conn.* 21 Ft. Washington Ave.
 Sherman, Matthew H. 540 West 144th St.
 Shifrin, Leo A. 35 West 111th St.
 Sichel, Albert A. 515 West 187th St.
 Silver, Harry B. 294 Pulaski St., Brooklyn, N. Y.
 Simchow, Morris, 50 East 103rd St.
 Smolensky, Morris S. 2041 Fifth Ave.
 Snyder, Charles Travers 217 East 82nd St.
 Speiser, Mortimer 256 Rivington St.
 Sperber, Frank 48 *S. Division Ave., Rockaway Beach, N. Y.* 15 Pitt St.
 Stansky, Charles 120 East 119th St.
 Sternman, Irving 69 West 130th St.
 Tirnauer, Samuel 1143 Lexington Ave.

Tobias, Norman 609 *John St., Elmira, N. Y.* 19 East 115th St.
 Watson, James S., Jr., A. B. 11 *Prince St., Rochester, N. Y.* 127 East 19th St.
 Weintraub, Philip 21 East 3rd St.
 Weisberg, Charles L. 481 Claremont Parkway
 Weisberg, Isidore 124 Forsyth St.
 Weiss, Jerome 236 6th Avenue., Brooklyn, N. Y.
 Wiren, William E. 444 Third Ave.
 Wolfe, Louis 229 East 70th St.

FIRST YEAR CLASS

Anderson, George Edward 373 Madison St., Brooklyn, N. Y.
 Barolsky, Joseph 14½ West St., Paterson, N. J.
 Beattie, Roland P. Glenside Ave., Murray Hill, N. J.
 Berkow, Samuel G. 372 State St., Perth Amboy, N. J.
 Bivings, Frank Lee, *Jakin, Ga.* 152 East 22nd St.
 Borst, Adam S. 500 East 87th St.
 Bourstin, William 1835 Madison Ave.
 Broones, Otto 660 Riverside Drive
 Carberry, Edward T. *Canal St., Wharton, N. J.* 116 Lexington Av.
 Chmelnik, Abraham G. 186 Hall Ave., Perth Amboy, N. J.
 Cole, Lewis Frank 35 Passaic Ave., Garfield, N. J.
 D'Agostin, Henry 871 East 164th St.
 Davis, Julius 1680 Third Ave.
 DeFronzo, Morando 173 Newton St., Newark, N. J.
 Diamond, Harry 138 Governor St., Paterson, N. J.
 Dworetzky, Jacob 97 Varet St., Brooklyn, N. Y.
 Ebenfeld, Samuel William 224 Central Ave., Newark, N. J.
 Endursky, Abraham L. 25 Rutgers St.
 Engler, William 200 East 7th St., Brooklyn, N. Y.
 Fine, Irwin A. 85 *Chestnut St., Hartford, Conn.* 338 E. 26th St.
 Flax, Jacob L. 299 *W. Kinney St., Newark, N. J.* 237 E. 19th St.
 Frammer, Abraham 72 Suffolk St.
 Friedman, Max 59 Ludlow St.
 Geldzahler, Louis Jesse 49 West 117th St.
 Ginsberg, Benjamin S. 969 Fox St.
 Glicksberg, Louis Joseph, Sc. B. 320 East 166th St.,
 Care of Dr. A. Lobell
 Goff, Frank James 47 First Ave., Long Branch, N. J.
 Goldberg, Harold H. 124 Fairmount Ave., Newark, N. J.
 Goldman, Matthew S. 2116 Walton Ave.,
 Goldman, Moses A. 1446 Prospect Ave.

- Gordon, Harry 525 East 146th St.
 Gross, Murry 275 South Fifth St., Brooklyn, N. Y.
 Grossman, Alexander 222 East Broadway
 Gutowski, Joseph Matthew 338 High St., Perth Amboy, N. J.
 Handelsman, Benjamin 252 Stockholm St., Brooklyn, N. Y.
 Holmes, William E. Downsville, N. Y. 1928 University Ave.
 Irwin, John H. 286 East Sidney Ave., Mount Vernon, N. Y.
 Jankelson, Jacob 264 Peshine Ave., Newark, N. J.
 Kabak, Jacob 1533 Minford Place
 Kibel, Israel 635 East 138th St.
 Koch, George W., Phar.D.
 Kramer, Samuel E. 236 State St., Perth Amboy, N. J.
 Kraut, Arthur M. 200 Warren St., Jersey City, N. J.
 Kuhn, Frederick Charles 923 Church St., Richmond Hill, L. I., N. Y.
 Levy, Morris 54 Bridge St., Ansonia, Conn.
 Lint, Theodore 1819 Beverly Road, Brooklyn, N. Y.
 Livingston, Saul F. 577 Sutter Ave., Brooklyn, N. Y.
 Low, Donald Beardsley 43 Highwood Ave., Ridgewood, N. J.
 Mahler, Abraham 866 Tiffany St.
 Marraffino, Joseph F. 800 Second Ave.
 Marraro, Howard Rosario 317 West 58th St.
 Marsland, Douglas A. 189 Lefferts Place, Brooklyn, N. Y.
 McLean, Herbert 92 Fairview Ave., Jersey City, N. J.
 Meyer, Harry 593 Beech Terrace, Brooklyn, N. Y.
 Michaels, George M. 1461 Bryant Ave.
 Mishell, Louis 5 St. Nicholas Terrace
 Moskowitz, Jack W. 870 Southern Boulevard
 Mufson, Samuel 1260 Clay Ave.
 Nerenstone, Samuel H. 80 East 116th St.
 Nisselson, Theodore M. 941 Simpson St.
 Pagliughi, Peter 405 Park Ave., Union Hill, N. J.
 Parnes, Paul 959 St. Johns Place, Brooklyn, N. Y.
 Povalski, Alexis W. T. 82 Essex St., Jersey City, N. J.
 Pulvermacher, William D., A. B., LL. B. 263 Sanford Ave., Flushing, L. I., N. Y.
 Rodgers, Mortimer William 161 West 86th St.
 Roy, Joseph N. 227 Berkeley Ave., Bloomfield, N. J.
 Rubinstein, Morris M. 12 Pike St.
 Schachter, Simon 430 Grand St.
 Schimmenti, John M. 1050 Bedford Ave., Brooklyn, N. Y.
 Schwartz, William 468 Main St., Paterson, N. J.
 Schwetsky, Samuel H. 629 West 170th St.

- Shapiro, Louis 354 Belleville Ave., Newark, N. J.
 Simon, Moses 12 Cooper Square
 Skir, Isaac 197 Henry St.
 Smith, Ernest Alfred 125 East 24th St.
 Smith, George Albert, Jr. Central Islip, N. Y.
 Soschin, Samuel J. North Arlington, N. J. 1608 High St., Newark, N. J. Care of Dr. Max Danzis
 Sposta, Dominick 10 Spring St.
 Starr, Morris C., 769 Georgia Ave., Brooklyn, N. Y.
 Stoloff, Emile Gordon, 314 East 4th St.
 Studdiford, William Emery, Jr. 124 East 36th St.
 Tetelman, Michael M. 475 East 145th St.
 Weinert, Henry Vincent 563 Jersey Ave., Jersey City, N. J.
 Weiss, Moses A. 411 East 100th St.
 Wenger, Herman L. 153 Harrison St., Paterson, N. J. 285 St. Nicholas Ave.

GRADUATES, 1919

Joseph Abrams	Otto R. Holters
Alton Louis Amsterdam	Harold John Hoops
Jacob Babbin	Benjamin Israelowitz
Curtis John Becker	Austin Baker Johnson
Herman Behrens	Morris Nathaniel Josell
John Winfield Bennett	William Lee Kirschner
Abraham Blankfein	Bertram Krugman
Anthony Stanley Bogatko	Israel Levine
Matthew Brunner	Michael Cyril Clifford Lilienfeld
Louis Bull	Edward Meakin Livingston
Francis Caponegro	Charles Serafino Malatesta
Albert Harvey Casey	Sylvan Dallas Manheim
Kenan Casteen	Joseph Marks
Charles Ruben Cohen	Evan Williams McLave
Morris Cohen	Charles Simpson Mirkin
Alexander Comora	Isidore Kennett Mirkin
Herman Comora	Francis Louis Morhard
Henry Kelso Cunningham	Milton Munzer
Americ George Damico	Griswold Delacroix Nammack
Louis Dienstag	William M. Paskofsky
Barnett Dobroczyński	Henry William Rogers
Albert Henry Ebeling	David Rosenberg
William Eckert	John Henry Rowland
David Louis Engelsher	Percy Morton Rubinstein
Herman L. Enselberg	Raphael Russomanno
Ephraim MacDonald Ewing	Sidney Melville Saphir
(as of October 1918)	Nathan Schwartz
David Farber	Shepard Shapiro
Samuel J. Ferber	Benjamin Sherwin
Abraham Fink	Harry Shiffman
Anthony Flandina	Francis Sileo
Charles Collins Francis	Max Singer
Louis Fox	Harry Spitz
Isidore Edward Gershnowitz	Edward Charles Steiner
Morris Goldring	Joseph Andrew Taferner
Julius Goldstein	Carl Henry Tannert
Monroe Edwin Greenberger	Edgar Stinceon Thompson
Louis Joseph Hershkowitz	Paul Tower
John Philip Hochbrückner	Mendes Smyle Wechsler
Louis Hochman	Morris Martin Weiss

SUMMARY

FOURTH YEAR	84
THIRD YEAR	115
SECOND YEAR	118
FIRST YEAR	86
SPECIAL STUDENTS	61
DENTAL STUDENTS (dissection only)	255
CORRESPONDENCE COURSE	260
GRAND TOTAL	979

ALUMNI SOCIETY

The New York University Corporation, upon approval by the Bellevue Hospital Medical College Corporation of the consolidation of the two Medical Colleges, enacted a statute by which New York University adopted as her own alumni all graduates of the Bellevue Hospital Medical College. Their names have accordingly been placed upon the roll of University alumni with those of the University Medical College.

FORM OF BEQUEST

I give, devise and bequeath to New York University, an educational institution of the State of New York, and located in the City of New York, the sum of \$

 for (specific purposes, unless bequest is to be used at the discretion of the Council of the University).

ADMISSION TO MEDICAL COLLEGE

COLLEGE REQUIREMENT: All candidates must present evidence of the completion of two years of college work at (least 60 semester hours) taken in a recognized college or university toward the degree of B. A. or B. S., including at least 12 semester hours of Chemistry; 8 semester hours of Physics; 8 semester hours of Biology; 6 semester hours of English and a modern foreign language. This is also a STATE REQUIREMENT for the Medical Student Qualifying Certificate which is required of all those desiring to study or practice medicine in New York State.

I respectfully apply for admission in September, 19.. to the University and Bellevue Hospital Medical College:

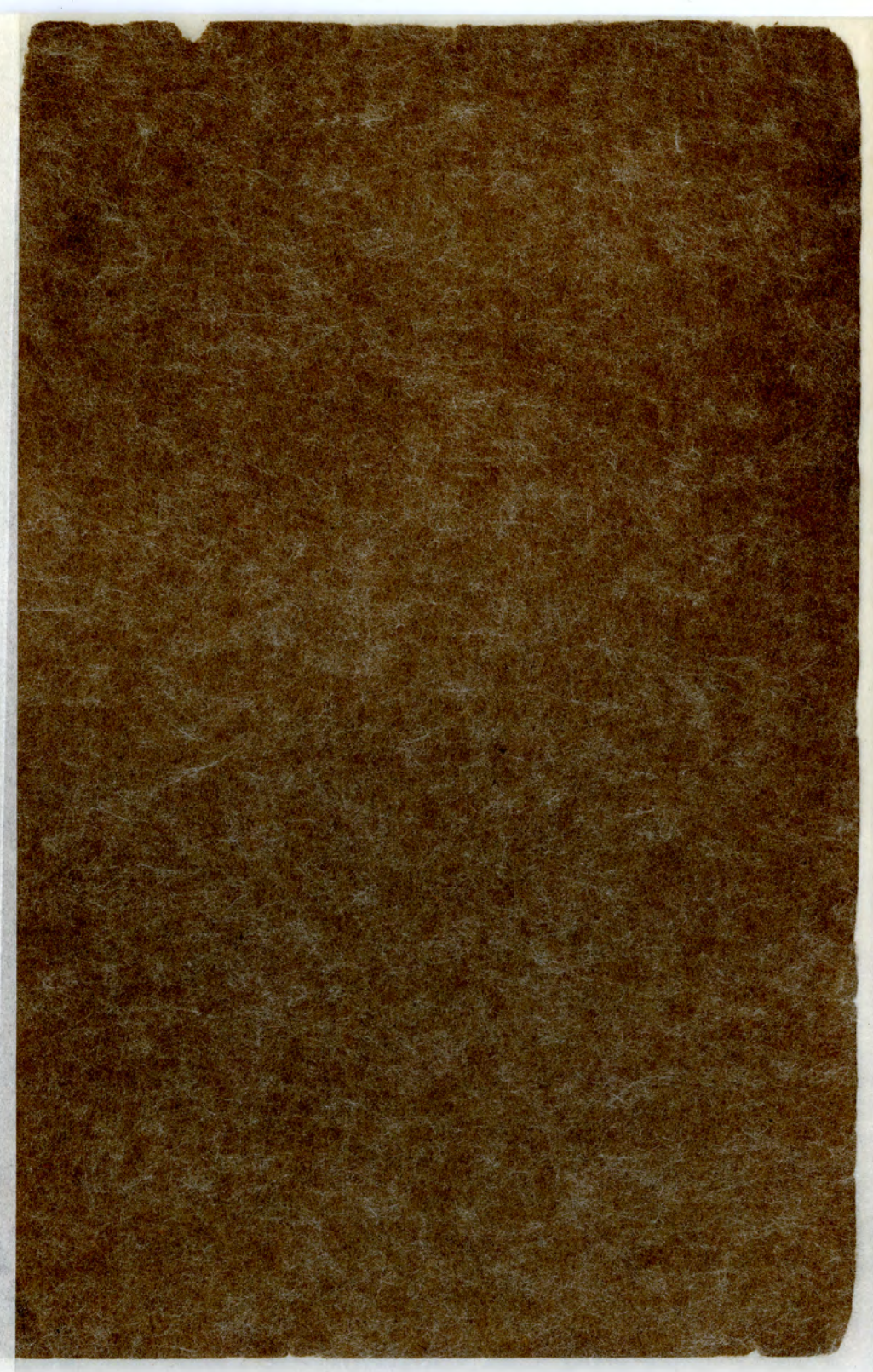
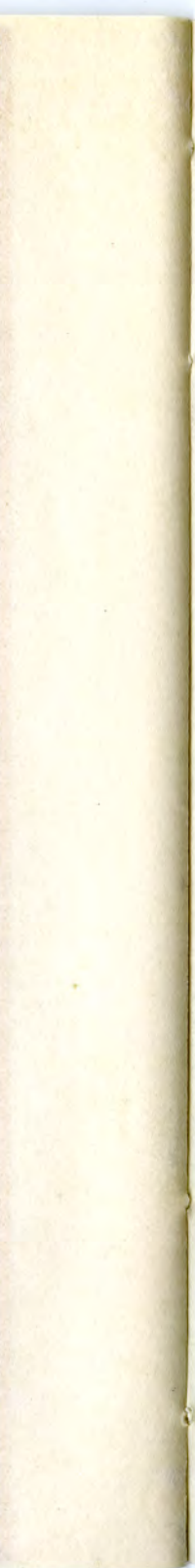
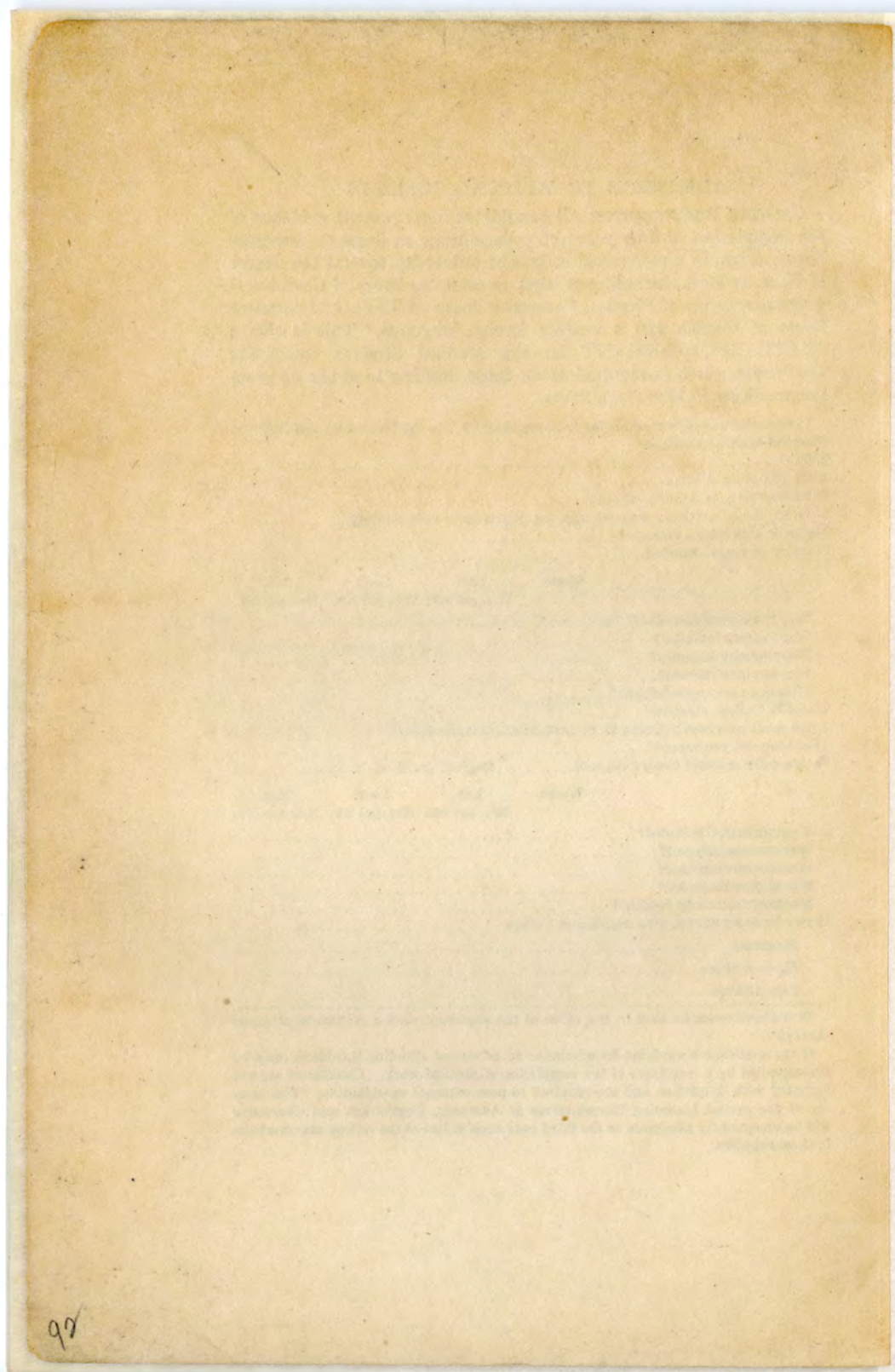
Name
 Date and place of birth
 If foreign born, is father a citizen?
 If father is not a citizen, state whether 1st papers have been obtained
 Name of high school attended
 Number of years attended

	Weeks	Lab. Hrs. per wk.	Lect. Hrs. per wk.	Rec. Hrs. per wk.
Was CHEMISTRY included?
Was PHYSICS included?
Was BIOLOGY included?
Was ENGLISH included?
MODERN LANGUAGE (which)?
Name of College attended
Upon what admitted? (Units, H. S. graduation, Examinations)
How long did you attend?
Is this work credited toward degree?
	Weeks	Lab. Hrs. per wk.	Lect. Hrs. per wk.	Rec. Hrs. per wk.

Was CHEMISTRY included? .....	.....	.....	.....	.....
Was PHYSICS included? .....	.....	.....	.....	.....
Was BIOLOGY included? .....	.....	.....	.....	.....
Was ENGLISH included? .....	.....	.....	.....	.....
MODERN LANGUAGE (which)? .....	.....	.....	.....	.....
If you have a DEGREE, give degree and College. ....	.....	.....	.....	.....
Signature .....	.....	.....	.....	.....
Home Address .....	.....	.....	.....	.....
City Address .....	.....	.....	.....	.....

This blank must be filed in the office of the secretary with a certificate of moral character.

If the applicant is applying for admission to advanced standing this blank must be accompanied by a certificate of the completion of medical work. Candidates are not accepted with conditions and are required to pass entrance examination. The passing of the partial Licensing Examinations in Anatomy, Physiology, and Chemistry will be accepted for admission to the third year class in lieu of the college examinations in these subjects.



New York University

At University Heights

College of Arts and Pure Science
School of Applied Science
Summer School

At Washington Square

School of Commerce
School of Pedagogy
School of Law
Washington Square College
Graduate School
Summer School
Extramural Division

At Bellevue Hospital

Medical College
Veterinary College