1940

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WASHINGTON UNIVERSITY

George R. Throop, Ph.D., LL.D., Bridge Chancellor

Walter E. McCourt, A.M., Assistant Chancellor

The College of Liberal Arts
  Walter E. McCourt, A.M., Dean
The School of Engineering
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The School of Architecture
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  George T. Moore, Ph.D., Director
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The School of Medicine
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The School of Dentistry
  Benno E. Lischer, D.M.D., Dean
The School of Nursing
  Louise Knapp, B.S., A.M., Director
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The University College
  Frank M. Debatin, A. M., Dean
  William G. Bowling, A.M., Acting Dean
The Summer School
  Frank L. Wright, A.M., Ed.D.

The following school is also conducted under the charter of the University:
Mary Institute—A Preparatory School for Girls
  (Ladue and Warson Roads)
  Charles H. Garrison, A.B., Principal

1Deceased August 3, 1940.
Note: Those desiring information concerning any of the divisions listed above should write to the Dean or Director concerned.
WASHINGTON UNIVERSITY MEDICAL GROUP

"Papin Aerial Surveys," St. Louis
CALENDAR

1940-41

Registration for Second Half-Year, Monday, February 3, 1941.

Holiday, Washington's Birthday, Saturday, February 22, 1941.
Second Trimester ends Saturday, March 22, 1941.
Third Trimester begins Monday, March 24, 1941.
Holiday, Good Friday, April 11, and Saturday, April 12, 1941.
Holiday, Decoration Day, Friday, May 30, 1941.
Third Trimester ends Friday, June 6, 1941.
Final Examinations begin Saturday, June 7, 1941.
Commencement, Tuesday, June 10, 1941.

1941-42

Registration, Monday, September 22, and Tuesday, September 23, 1941.
Examinations for Advanced Standing and Removal of Conditions, Monday, September 22, to Wednesday, September 24, 1941, inclusive.
Academic Year (First Trimester) begins Thursday, September 25, 1941.
Holiday, Thanksgiving Day.
First Trimester ends Saturday, December 20, 1941.
Christmas Recess, Monday, December 22, 1941 to Saturday, January 3, 1942, inclusive.
Second Trimester begins Monday, January 5, 1942.
Registration for Second Half-Year, Monday, February 2, 1942.
Holiday, Washington's Birthday, Monday, February 23, 1942.
Second Trimester ends Saturday, March 21, 1942.
Third Trimester begins Monday, March 23, 1942.
Holiday, Good Friday, April 3, and Saturday, April 4, 1942.
Third Trimester ends Friday, June 5, 1942.
Final Examinations begin Saturday, June 6, 1942.
Commencement, Tuesday, June 9, 1942.
THE CORPORATION

President
MALVERN BRYAN CLOPTON

First Vice-President
HARRY BROOKINGS WALLACE

Second Vice-President
ALFRED LEE SHAPLEIGH

Directors
ALFRED LEE SHAPLEIGH  FRANK CHAMBELESS RAND
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DANIEL KAYSER CATLIN  WILSON LINN HEMINGWAY
DANIEL NOYES KIRBY  LEMUEL RAY CARTER
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EDWARD MALLINCKRODT, JR.  EDGAR MONSANTO QUEENY

ETHAN ALLEN HITCHCOCK SHEPLEY

Treasurer, and Secretary to the Corporation
JOSEPH HENRY ZUMBALEN

Office in Robert S. Brookings Hall, Skinker and Lindell Boulevards
OFFICERS OF GOVERNMENT AND INSTRUCTION

GEORGE REEVES THROOP  ...  Bridge Chancellor of the University
A.B., DePauw University, 1901; A.M., 1908; Ph.D., Cornell University, 1905; LL.D., DePauw University, 1928; LL.D., University of Missouri, 1930.

WALTER EDWARD MCCOURT  .  Assistant Chancellor of the University
A.B., Cornell University, 1904; A.M., 1905.

PHILIP ANDERSON SHAFFER  .  Dean
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D., University of Rochester, 1939.

FRANKLIN EDWARD WALTON  .  Assistant Dean
B.S., Shurtleff College, 1923; M.D., Washington University, 1927.

WILLIAM BAHLMANN PARKER  .  Registrar
A.B., University of Missouri, 1921.

PROFESSORS

JOSEPH ERLANGER  .  Professor of Physiology
Physiologist, Barnes and St. Louis Children's Hospitals.
B.S., University of California, 1895; M.D., Johns Hopkins University, 1899; LL.D., University of California, 1932; Sc.D., University of Pennsylvania, 1933; Sc.D., University of Wisconsin, 1936; Sc.D., University of Michigan, 1937.

PHILIP ANDERSON SHAFFER  .  Professor of Biological Chemistry
Chemist, Barnes and St. Louis Children's Hospitals.
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D., University of Rochester, 1939.

ROBERT JAMES TERRY  .  Professor of Anatomy
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M.D., Missouri Medical College, 1895; A.B., Washington University, 1901.

LEO LOEB  .  Professor Emeritus of Pathology and Research Professor of Pathology
M.D., University of Zurich, 1896.

EVARTS AMBROSE GRAHAM  .  Bixby Professor of Surgery
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A.B., Princeton University, 1904; M.D., Rush Medical College, 1907; M.S. (hon.), Yale University, 1928; LL.D., Central College, 1926; Sc.D., University of Cincinnati, 1927; Sc.D., Princeton University, 1929; Sc.D., Western Reserve University, 1931.

DAVID PRESWICK BARR  .  Busch Professor of Medicine
Physician in Chief, Barnes Hospital; Physician, St. Louis Maternity Hospital; Physician in Chief to Outpatients, University Clinics; Consulting Physician, St. Louis City Hospital; Consultant in Medicine, Homer G. Phillips Hospital.
A.B., Cornell University, 1911; M.D., 1914; LL.D., Central College, 1928.

OTTO HENRY SCHWARZ  .  Professor of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist, Barnes and St. Louis Maternity Hospitals; Consulting Gynecologist, St. Louis Children's Hospital; Obstetrician and Gynecologist to Outpatients, University Clinics; Consultant in Obstetrics and Gynecology, Homer G. Phillips Hospital.
M.D., Washington University, 1915.

1 Arranged in groups in order of appointment, as of December, 1940.
SHERWOOD MOORE . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
ROBERT ALLAN MOORE . Edward Mallinckrodt Professor of Pathology
Pathologist, Barnes, St. Louis Children's and St. Louis Maternity Hospitals.
B.A., Ohio State University, 1921; M.S., 1927; M.D., 1928; Ph.D., Western Reserve University, 1930.

WILLARD MYRON ALLEN . . . Professor of Obstetrics and Gynecology
Obstetrician and Gynecologist, St. Louis Maternity Hospital; Gynecologist, St. Louis Children's Hospital; Obstetrician and Gynecologist to Outpatients, University Clinics; Consultant in Obstetrics and Gynecology, St. Louis City Hospital.
B.S., Hobart College, 1926; M.A., University of Rochester, 1929; M.D., 1932.

THEODORE EDWIN WALSH . . . Professor of Otolaryngology
Otolaryngologist in Chief, Barnes Hospital; Otolaryngologist, St. Louis Children's and St. Louis Maternity Hospitals; Otolaryngologist in Chief to Outpatients, University Clinics.

ARTHUR LLEWELYN HUGHES . . . Consulting Physicist
B.Sc., Liverpool University, 1910; M.Sc., 1907; B.A., Cambridge University, 1910; D.Sc., 1912.

JOHN VINCENT LAWRENCE . . . Director of University Clinics and Assistant Professor of Medicine
Assistant Physician, Barnes Hospital; Physician and Section Chief (Medicine), University Clinics.
B.S., University of Chicago, 1917; M.D., Rush Medical College, 1924.

HARRY STURGEON CROSSEN . Professor Emeritus of Clinical Obstetrics and Gynecology
Consultant in Obstetrics and Gynecology, Barnes and St. Louis Maternity Hospitals; Consultant in Gynecology, St. Louis Children's Hospital.
M.D., Washington University, 1882.

HUGO EHRENFEST . . Professor Emeritus of Clinical Obstetrics and Gynecology
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M.D., University of Vienna, 1894.

MARTIN FeENeY ENGMAN . . Professor of Clinical Dermatology
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M.D., University of New York, 1891.

BORDEN SMITH VEEDER . . . Professor of Clinical Pediatrics
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M.D., University of Pennsylvania, 1907.

SINDEY ISAAC SCHWAB . . . Professor of Clinical Neurology
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M.D., Harvard University, 1896.

ERNEST SACHS . . . Professor of Clinical Neurological Surgery
Associate Surgeon, Barnes and St. Louis Children's Hospitals; Consulting Surgeon, St. Louis Maternity Hospital; Surgeon to Outpatients, University Clinics.
A.B., Harvard University, 1900; M.D., Johns Hopkins University, 1904.

MAJOR GABRIEL SEELIG . . . Professor of Clinical Surgery
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A.B., Harvard University, 1896; M.D., Columbia University, 1900.

WILLIAM EWING SHAHAN . . Professor of Clinical Ophthalmology
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A.B., Washington University, 1901; M.D., 1904; A.M., 1912.

FREDERICK JOSEPH TAUSSIG . . Professor of Clinical Obstetrics and Gynecology
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A.B., Harvard University, 1893; M.D., St. Louis Medical College, 1896.
VILRAY PAPIN BLAIR . . . . Professor of Clinical Surgery
Associate Surgeon, Barnes and St. Louis Children's Hospitals; Consulting Surgeon, St. Louis Maternity Hospital.
A.M., Christian Brothers College, 1890; M.D., Washington University, 1893.

MALVERN BRYAN CLOPTON . . . . Professor of Clinical Surgery
Associate Surgeon, Barnes and St. Louis Maternity Hospitals; Consulting Surgeon, St. Louis Children's Hospital.
M.D., University of Virginia, 1897.

ALBERT ERNEST TAUSIG . . . . Professor of Clinical Medicine
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A.B., Harvard University, 1891; M.D., St. Louis Medical College, 1894.

MEYER WIENER . . . . Professor of Clinical Ophthalmology
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M.D., Missouri Medical College, 1896.

GRANDISON DELANEY ROYSTON . Professor of Clinical Obstetrics and Gynecology
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M.D., Washington University, 1907.

QUITMAN UNDERWOOD NEWELL1 . Professor of Clinical Obstetrics and Gynecology
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M.D., University of Alabama, 1911.

ARTHUR WALTER PROETZ . . . . Professor of Clinical Otolaryngology
Assistant Otolaryngologist, Barnes and St. Louis Maternity Hospitals; Associate Otolaryngologist, St. Louis Children's Hospital; Otolaryngologist to Outpatients, University Clinics; Consulting Otolaryngologist, St. Louis City Hospital.
A.B., Washington University, 1910; M.D., 1912.

THOMAS KENNETH BROWN . . . . Professor of Clinical Obstetrics and Gynecology
Assistant Obstetrician and Gynecologist, Barnes Hospital; Associate Gynecologist, St. Louis Children's Hospital; Associate Obstetrician and Gynecologist, St. Louis Maternity Hospital; Obstetrician and Gynecologist to Outpatients, University Clinics; Visiting Obstetrician and Gynecologist (Section Head), St. Louis City Hospital; Chief of Staff and Consulting Obstetrician and Gynecologist (Section Director), Homer G. Phillips Hospital.
B.S., University of Wisconsin, 1921; M.S., 1922; M.D., Washington University, 1924.

1 Deceased November 4, 1940.
ASSOCIATE PROFESSORS

WARREN PHILO ELMER  .  .  .  Associate Professor of Clinical Medicine
Assistant Physician, Barnes Hospital.
M.D., University of Michigan, 1908; B.S., St. Louis University, 1906.

HARVEY LESTER WHITE  .  .  .  .  Associate Professor of Physiology
B.S., Washington University, 1918; M.D., 1920.

HARRY LOUIS ALEXANDER  .  .  .  Associate Professor of Clinical Medicine
Associate Physician, Barnes and St. Louis Maternity Hospitals; Physician and Section Chief (Allergy), University Clinics; Consulting Physician, St. Louis City Hospital.
A.B., Williams College, 1910; M.D., Columbia University, 1914.

WILLIAM FREDERIC HARDY  .  .  .  Associate Professor of Clinical Ophthalmology
Assistant Ophthalmologist, Barnes Hospital; Ophthalmologist to Outpatients, University Clinics.
M.D., Washington University, 1901.

GLOVER H. COPHER  .  .  .  Associate Professor of Clinical Surgery
Assistant Surgeon, Barnes Hospital; Associate Surgeon, St. Louis Children's and St. Louis Maternity Hospitals.
A.B., University of Missouri, 1916; M.D., Washington University, 1918.

WILLIAM HARWOOD OLMSTED  .  .  .  Associate Professor of Clinical Medicine
Assistant Physician, Barnes Hospital; Consulting Physician, St. Louis City Hospital.
B.S., Coe College, 1909; M.D., Johns Hopkins University, 1913.

MILDRED TROTTER  .  .  .  .  .  Associate Professor of Anatomy
A.B., Mount Holyoke College, 1920; M.S., Washington University, 1921; Ph.D., 1924.

ARTHUR SCOTT GILSON, JR.  .  .  .  Associate Professor of Physiology
B.S., Dartmouth College, 1919; A.M., Harvard University, 1922; Ph.D., 1924.

LOUIS A. JULIANELLE  .  .  .  .  Associate Professor of Applied Bacteriology and Immunology in Ophthalmology
Associate Bacteriologist, St. Louis Children's Hospital.
B.A., Yale University, 1917; M.S., 1919; Ph.D., University of Pennsylvania, 1922.

DREW WILLIAM LUTEN  .  .  .  .  .  Associate Professor of Clinical Medicine
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A.B., University of Kentucky, 1901; M.D., Johns Hopkins University, 1911.

JOSEPH WILLIAM LARIMORE  .  .  .  .  Associate Professor of Clinical Medicine
Assistant Roentgenologist, Barnes Hospital; Assistant Radiologist, St. Louis Children's Hospital.
A.B., DePauw University, 1908; M.D., Washington University, 1912.

GORDON H. SCOTT  .  .  .  .  .  .  Associate Professor of Cytology
A.B., Southwestern College, 1922; A.M., University of Minnesota, 1925; Ph.D., 1926.

THEODORE C. HEMPELMANN  .  .  .  .  Associate Professor of Clinical Pediatrics
Consulting Physician, St. Louis Children's Hospital; Consulting Pediatrician.
St. Louis Maternity Hospital.
M.D., Washington University, 1908.

HARRY WEBSTER LYMAN  .  .  .  .  .  Associate Professor of Clinical Otolaryngology
Associate Otolaryngologist, St. Louis Children's Hospital; Assistant Otolaryngologist, Barnes and St. Louis Maternity Hospitals; Otolaryngologist to Outpatients, University Clinics.
M.D., St. Louis College of Physicians and Surgeons, 1895.

JAMES LEE O'LEARY  .  .  .  .  .  .  Associate Professor of Cytology
B.S., University of Chicago, 1925; Ph.D., 1928; M.D., 1931.
FREDERICK ENO WOODRUFF . . . . Associate Professor of Clinical Ophthalmology
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ROBERT ELMAN . . . . Associate Professor of Clinical Surgery
Assistant Surgeon, Barnes Hospital; Associate Surgeon, St. Louis Children's and St. Louis Maternity Hospitals; Surgeon and Section Chief (General Surgery), University Clinics; Visiting Surgeon, St. Louis City Hospital; Visiting Surgeon (Section Director), Homer G. Phillips Hospital. B.S., Harvard University, 1919; M.D., Johns Hopkins University, 1922.

PETER HEINBECKER . . . . Associate Professor of Clinical Surgery
Assistant Surgeon, Barnes Hospital; Associate Surgeon, St. Louis Children's and St. Louis Maternity Hospitals; Surgeon to Outpatients, University Clinics; Visiting Surgeon and Section Head (General Surgery), St. Louis City Hospital. B.A., McGill University, 1918; M.D., 1921.

JAMES BARRETT BROWN . . . . Associate Professor of Clinical Surgery
Assistant Surgeon, Barnes Hospital; Associate Surgeon, St. Louis Children's and St. Louis Maternity Hospitals; Surgeon to Outpatients, University Clinics; Visiting Surgeon and Section Head (Plastic), St. Louis City Hospital; Consulting Surgeon (Plastic), Homer G. Phillips Hospital. M.D., Washington University, 1923.

HUGH McCULLOH . . . . Associate Professor of Clinical Pediatrics
Associate Pediatrician, St. Louis Maternity Hospital; Associate Physician, St. Louis Children's Hospital; Physician to Outpatients, University Clinics. A.B., University of Arkansas, 1908; M.D., Johns Hopkins University, 1912.

HELEN TREWDAY GRAHAM . . . . Associate Professor of Pharmacology
A.B., Bryn Mawr College, 1911; A.M., 1912; Ph.D., University of Chicago, 1915.

MARTIN HAYWARD POST . . . . Associate Professor of Clinical Ophthalmology
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NATHAN ANTHONY WOMACK . . . . Associate Professor of Clinical Surgery
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LEONARD THOMPSON FURLOW . . . . Associate Professor of Clinical Neurological Surgery
Assistant Surgeon, Barnes, St. Louis Children's and St. Louis Maternity Hospitals; Visiting Surgeon and Section Head (Neurological), St. Louis City Hospital; Consulting Surgeon (Neurological), Homer G. Phillips Hospital. B.S., Emory University, 1923; M.D., 1925.

FELIX DEUTSCH . . . . Associate Professor of Clinical Psychosomatic Medicine
Associate Psychiatrist, Barnes Hospital; Physician to Outpatients (Neuropsychiatry), University Clinics; Visiting Physician, Malcolm A. Bliss Psychiatric Institute. M.D., University of Vienna, 1909.

ROBERT LYSER THORNTON . . . . Physicist in Charge of the Cyclotron of the Radiological Institute
B.S., McGill University, 1930; Ph.D., 1936.

ASSISTANT PROFESSORS

WILLARD BARTLETT . . . . Assistant Professor of Clinical Surgery
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ARTHUR OSCAR FISHER . . . . Assistant Professor of Clinical Surgery
Assistant Surgeon, Barnes, St. Louis Children's and St. Louis Maternity Hospitals. A.B., University of Wisconsin, 1905; M.D., Johns Hopkins University, 1909.
FRANK HENRY EWERMARDT . . . Assistant Professor of Physical Therapeutics
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M.D., Washington University, 1910.

MILLARD FILLMORE ARBUCKLE . . . Assistant Professor of Clinical Otolaryngology
Assistant Otolaryngologist, Barnes and St. Louis Children's Hospitals.
M.D., Washington University, 1909.

ARTHUR MAXWELL ALDEN . . . Assistant Professor of Clinical Otolaryngology
Assistant Otolaryngologist, Barnes and St. Louis Children's Hospitals; Otolaryngologist to Outpatients, University Clinics; Consulting Otolaryngologist, St. Louis City Hospital.
A.B., University of Oklahoma, 1907; A.M., 1909; M.D., St. Louis University, 1915.

HAROLD ATEN BULGER . . . Assistant Professor of Medicine
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B.S., Ohio State University, 1916; M.D., Harvard University, 1920.

CHARLES ALLEN STONE . . Assistant Professor of Clinical Orthopedic Surgery
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B.S., Blackburn College, 1904; M.D., Washington University, 1908.

MAX WILLIAM JACOBS . Assistant Professor of Clinical Ophthalmology
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A.B., Washington University, 1902; M.D., 1906.

DUFF SHEDERIC ALLEN . . . Assistant Professor of Clinical Surgery
Assistant Surgeon, Barnes, St. Louis Children's and St. Louis Maternity Hospitals.
M.D., Washington University, 1919.

FREDERICK OSCAR SCHWARTZ . . . Assistant Professor of Clinical Ophthalmology
Assistant Ophthalmologist, Barnes Hospital; Ophthalmologist to Outpatients, University Clinics.
M.D., Washington University, 1910.

HARVEY DENSMORE LAMB . . . Assistant Professor of Ophthalmic Pathology
Assistant Ophthalmologist, Barnes Hospital.
A.B., Washington University, 1906; M.D., 1910.

RICHARD SIMON WEISS . Assistant Professor of Clinical Dermatology
Assistant Dermatologist, Barnes, St. Louis Children's and St. Louis Maternity Hospitals; Physician and Section Chief (Dermatology), University Clinics.
M.D., Washington University, 1909.

ETHEL RONZONI BISHOP . Assistant Professor of Biological Chemistry
B.S., Mills College, 1913; A.M., Columbia University, 1914; Ph.D., University of Wisconsin, 1922.

FRANK POWELL MCNALLEY . Assistant Professor of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist, Barnes and St. Louis Maternity Hospitals; Assistant Gynecologist, St. Louis Children's Hospital.
B.S., Washington University, 1915; M.D., 1917.

CHARLES DARRELL O'KEEFE . Assistant Professor of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist, Barnes and St. Louis Maternity Hospitals.
A.B., University of Missouri, 1917; M.D., Washington University, 1918.
LAWRENCE DURAND THOMPSON . . . Assistant Professor of Clinical Medicine

Assistant Physician, Barnes Hospital.
B.S., Rutgers College, 1917; M.D., Cornell University, 1922.

GEORGE DEE WILLIAMS . . . . Assistant Professor of Anatomy
A.B., Ohio State University, 1919; M.D., 1922; A.M., Harvard University, 1926; Ph.D., 1929.

ISAAC DEE KELLEY, JR. . Assistant Professor of Clinical Otolaryngology
Assistant Otolaryngologist, Barnes and St. Louis Children's Hospitals; Otolaryngologist to Outpatients, University Clinics.
B.S., St. Louis University, 1903; M.D., 1908.

MARGARET GLADYS SMITH . . . . Assistant Professor of Pathology
Assistant Pathologist, Barnes Hospital; Associate Pathologist, St. Louis Children's and St. Louis Maternity Hospitals.
A.B., Mount Holyoke College, 1918; M.D., Johns Hopkins University, 1922.

ANDREW BLUCHER JONES . Assistant Professor of Clinical Neurology
Assistant Neurologist, Barnes and St. Louis Children's Hospitals; Physician to Outpatients (Neuropsychiatry), University Clinics; Visiting Physician (Neuropsychiatry), St. Louis City Hospital; Visiting Physician, Malcolm A. Bliss Psychiatric Institute.
M.D., Vanderbilt University, 1916.

RICHARD PADDOCK . . Assistant Professor of Clinical Obstetrics and Gynecology
Assistant Obstetrician and Gynecologist, Barnes Hospital; Assistant Gynecologist, St. Louis Children's Hospital; Associate Obstetrician and Gynecologist, St. Louis Maternity Hospital.
M.D., Washington University, 1921.

FRENCH KELLER HANSEL . . . . Assistant Professor of Clinical Otolaryngology
Assistant Otolaryngologist, Barnes and St. Louis Children's Hospitals; Otolaryngologist to Outpatients, University Clinics.
M.D., St. Louis University, 1918; M.S., University of Minnesota, 1923.

GEORGE EDWIN HOURN . Assistant Professor of Clinical Otolaryngology
Assistant Otolaryngologist, Barnes and St. Louis Children's Hospitals; Otolaryngologist to Outpatients, University Clinics.
D.D.S., University of Minnesota, 1908; M.D., Washington University, 1913.

CLARENCE HARRISON CREGO, JR. . . . Assistant Professor of Clinical Orthopedic Surgery
Assistant Surgeon, Barnes, St. Louis Children's and St. Louis Maternity Hospitals.
B.S., Union University, 1921; M.D., University of Michigan, 1923.

FRANK URBAN . . . . Assistant Professor of Biological Chemistry
B.S., University of Wisconsin, 1925; Ph.D., 1928.

OTTO ST. CLAIR KREBS . . Assistant Professor of Clinical Obstetrics and Gynecology
Assistant Obstetrician and Gynecologist, Barnes Hospital; Associate Obstetrician and Gynecologist, St. Louis Maternity Hospital; Obstetrician and Gynecologist to Outpatients, University Clinics.
B.S., Washington University, 1917; M.D., 1918.

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1 Effective October 1, 1940.
2 Effective November 1, 1940.
3 Effective November 10, 1940.
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Bruce Carson Martin  . . . . . . . Assistant in Clinical Surgery
Visiting Surgeon, Homer G. Phillips Hospital.
M.D., Washington University, 1935.

Harry Earl Mantz  . . . . . . . Assistant in Medicine
Voluntary Assistant (Medicine), Barnes Hospital.
A.B., University of Missouri, 1934; M.D., Washington University, 1938.

Robert Ralph Anschuetz  . . . . . . . Assistant in Pathology
Voluntary Assistant (Pathology), Barnes Hospital.
M.D., Washington University, 1940.

Floyd Carroll Atwell  . . . . . . . Assistant in Obstetrics and Gynecology
Assistant Resident Obstetrician and Gynecologist, St. Louis Maternity Hospital.
B.S., Geneva College, 1933; M.D., Jefferson Medical College, 1937.

Henry Lewis Barnett  . . . . . . . Assistant in Pediatrics
Resident Pediatrician, St. Louis Children's Hospital.

Loren Francis Blaney  . . . . . . . Assistant in Medicine
Assistant Resident Physician, Barnes Hospital.
A.B., Washington University, 1934; M.D., 1938.

Roger Hammond Boots  . . . . . . . Assistant in Ophthalmology
Assistant Resident Ophthalmologist, Barnes and St. Louis Children's Hospitals (July 1 to December 31, 1940).
A.B., University of Missouri, 1934; B.S., 1936; M.D., Washington University, 1938.

Elma Knost Bowers  . . . . . . . Assistant in Immunology in Medicine
A.B., University of Kansas, 1932.

Seymour Brown1  . . . . . . . Assistant in Pathology
B.S. in Med. Science, Washington University, 1940; M.D., 1940.

Merl John Carson  . . . . . . . Assistant in Pediatrics
Assistant Resident Pediatrician, St. Louis Children's Hospital.
A.B., University of North Carolina, 1934; M.D., Vanderbilt University, 1938.

Margaret Ann Carter  . . . . . . . Assistant in Obstetrics and Gynecology
A.B., Washington University, 1934; M.D., 1938.

Dante Castrodale1  . . . . . . . Assistant in Medicine
Voluntary Assistant (Medicine), Barnes Hospital.
A.B., West Virginia University, 1931; M.D., Loyola University, 1937.

Malcolm M. Cook  . . . . . . . Assistant in Clinical Medicine
Assistant Physician, Barnes Hospital.
B.S., Emory University, 1930; M.D., 1933.

1 July 1 to December 31, 1940.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Hospital(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Grant Cooper, Jr.</td>
<td>Assistant in Surgery</td>
<td>Assistant Resident Surgeon, Barnes and St. Louis Children's Hospitals.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A.B., Howard University, 1933; M.D., 1937.</td>
</tr>
<tr>
<td>Ernest George De Bakey</td>
<td>Assistant in Surgery</td>
<td>Assistant Resident Surgeon, Barnes and St. Louis Children's Hospitals.</td>
</tr>
<tr>
<td></td>
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<td>Ph.G., Tulane University, 1936; M.D., 1939.</td>
</tr>
<tr>
<td>Byron Henry Evans</td>
<td>Assistant in Pathology</td>
<td>A.B., State University of Iowa, 1935; M.S., 1936; M.D., 1940.</td>
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<tr>
<td>Miles Everett Foster, Jr.</td>
<td>Assistant in Pathology</td>
<td>Assistant Resident Pathologist, Barnes Hospital.</td>
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<td></td>
<td>A.B., University of Missouri, 1926; B.S., 1927; M.D., Washington University, 1939.</td>
</tr>
<tr>
<td>George R. Geeheman</td>
<td>Assistant in Ophthalmology</td>
<td>Resident Ophthalmologist, Barnes and St. Louis Children's Hospitals (July 1 to December 31, 1940).</td>
</tr>
<tr>
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<td>B.S., University of Pittsburgh, 1932; M.D., 1936.</td>
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<tr>
<td>Andy Hall, Jr.</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>M.D., Washington University, 1926.</td>
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<td>M.D., Washington University, 1932; M.D., 1936.</td>
</tr>
<tr>
<td>George Kalmanson</td>
<td>Assistant in Bacteriology and Immunology</td>
<td>B.S., College of the City of New York, 1934; M.S., University of Illinois, 1936; Ph.D., Washington University, 1939.</td>
</tr>
<tr>
<td>Frank Herford Kidd, Jr.</td>
<td>Assistant in Surgery</td>
<td>Assistant Resident Surgeon, Barnes and St. Louis Children's Hospitals.</td>
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<tr>
<td></td>
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<td>B.S., Southern Methodist University, 1931; M.D., Baylor University, 1937.</td>
</tr>
<tr>
<td>Alfred McKee Large</td>
<td>Assistant in Surgery</td>
<td>Assistant Resident Surgeon, Barnes and St. Louis Children's Hospitals.</td>
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<td></td>
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<td>A.B., University of Toronto, 1933; M.D., 1936.</td>
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<tr>
<td>John Robert Lionberger, Jr.</td>
<td>Assistant in Radiology</td>
<td>Assistant Resident Radiologist, Barnes Hospital.</td>
</tr>
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<td></td>
<td>A.B., Washington University, 1934; M.D., 1938.</td>
</tr>
<tr>
<td>Virginia Minnich</td>
<td>Assistant in Hematology in Medicine</td>
<td>B.S., Ohio State University, 1937; M.S., Iowa State College, 1938.</td>
</tr>
<tr>
<td>Mary Catherine McFayden</td>
<td>Assistant in Pathology</td>
<td>Voluntary Assistant (Pathology), Barnes Hospital.</td>
</tr>
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<td></td>
<td></td>
<td>A.B., Washington University, 1936; M.D., 1940.</td>
</tr>
<tr>
<td>James F. Nolan</td>
<td>Assistant in Obstetrics and Gynecology</td>
<td>Assistant Resident Obstetrician and Gynecologist, St. Louis Maternity Hospital.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A.B., University of Missouri, 1935; M.D., Washington University, 1938.</td>
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<tr>
<td>Edward Humphrey Reinhard</td>
<td>Assistant in Medicine</td>
<td>Assistant Resident Physician, Barnes Hospital.</td>
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<td>A.B., Washington University, 1936; M.D., 1939.</td>
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<tr>
<td>Harold K. Roberts</td>
<td>Assistant in Medicine</td>
<td>Assistant Resident Physician, Barnes Hospital.</td>
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<td>A.B., Ohio State University, 1935; M.D., 1939.</td>
</tr>
<tr>
<td>William Frederick Rose</td>
<td>Assistant in Surgery</td>
<td>Assistant Resident Surgeon, Barnes and St. Louis Children's Hospitals.</td>
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<td></td>
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<td>M.D., Washington University, 1938.</td>
</tr>
<tr>
<td>John Harrison Wedig</td>
<td>Assistant in Medicine</td>
<td>M.D., Washington University, 1938.</td>
</tr>
<tr>
<td>Willard Terrill Barnhart</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>A.B., University of Missouri, 1930; B.S., 1931; M.D., Washington University, 1933.</td>
</tr>
</tbody>
</table>

1 July 1 to December 31, 1940.
CLAYTON BROCK . . . . . . . . . Assistant in Clinical Surgery
A.B., Lawrence College, 1932; B.M., Northwestern University, 1936; M.D., 1937.

ANTHONY KARL BUSCH . . . . . . Assistant in Clinical Psychiatry
M.D., St. Louis University, 1937.

ADOLPH HENRY CONRAD, JR. . . . . . Assistant in Clinical Dermatology
A.B., Washington University, 1934; M.D., 1938.

PHILLIP SHANNON MOUNTJOY . . . Assistant in Clinical Otolaryngology
Voluntary Assistant (Otolaryngology), Barnes Hospital.
A.B., Washington University, 1932; M.D., 1937.

ALFRED FLEISHMAN . . . . . . . . . Assistant in Clinical Medicine
Visiting Physician, St. Louis City Hospital.
B.S., Washington University, 1935; M.D., 1935.

LOUIS BERGER1 . . . . . . . . . Assistant in Biological Chemistry
B.S., Washington University, 1939.

STANLEY FORREST HAMPTON2 . . . Assistant in Clinical Medicine
A.B., Washington and Lee University, 1930; M.D., Washington University, 1934.

VIRGIL OTTO FISH . . . . . . . . . Assistant in Clinical Surgery
Visiting Surgeon (Proctology), Homer G. Phillips Hospital.
M.D., Washington University, 1930.

GERHARD ELIAS GRUENFELD . . . . . Assistant in Clinical Surgery
M.D., Friedrich-Wilhelms University, 1923.

GORDON SCHOEPFLE3 . . . . . . . Assistant in Physiology
A.B., De Pauw University, 1937; Ph.D., Princeton University, 1940.

ZOLA KATHERINE COOPER3 . . . . . . Assistant in Pathology
A.B., Washington University, 1925; M.S., 1926; Ph.D., 1929.

WILLIAM KINDRED WILSON3 . . . Assistant in Clinical Surgery
Visiting Surgeon (Proctology), Homer G. Phillips Hospital.
A.B., University of Alabama, 1932; M.D., Washington University, 1935.

FELLOWS AND RESEARCH ASSISTANTS

SAMUEL J. HAYWARD . . . . . . Research Assistant in Pathology4
Research Assistant in Obstetrics and Gynecology2

LEOPOLD HOFSTATTER5 . . . . . Fellow in Neurological Surgery
Voluntary Assistant (Neurosurgery), Barnes Hospital; Assistant Surgeon, St.
Louis Children's Hospital.
M.D., University of Vienna, 1926.

CHARLES ROY ANDERSON5 . . . . . Research Fellow in Pediatrics
A.B., University of Illinois, 1935; M.D., Washington University, 1939.

SIDNEY COLOWICK . . . . . . . . . Research Assistant in Pharmacology
B.S., Washington University, 1936; M.S., 1939.

RAYMOND NADELL . . . . . . . . . Research Fellow in Psychosomatic Medicine
B.S., College of the City of New York, 1921; M.D., University of Vienna, 1928.

ALFRED D. BUCHMUELLER . . . . . Research Fellow in Social Service in
Neuropsychiatry
A.B., Elmhurst College, 1931.

THOMAS HANNAHAN BURFORD . . . . . Fellow in Chest Surgery
A.B., University of Missouri, 1921; B.S., 1923; M.D., Yale University, 1928.

1 Effective September 1, 1940.
2 Effective October 1, 1940.
3 Effective December 1, 1940.
4 July 1 to September 30, 1940.
5 July 1 to December 31, 1940.
ROBERT W. EVANS . . . . . . Research Assistant in Cytology
B.S., Virginia Military Institute, 1935; M.D., University of Virginia, 1938.

WILLIAM F. FRIDEBWALD1 . . . . . Visiting Fellow in Pathology
M.D., St. Louis University, 1935.

HELEN E. GARDNER . . . . . Research Fellow in Applied Chemistry in
Pediatrics
A.B., Grinnell College, 1938.

CORNELIUS SHEPHERD MEEKER2 . . . Research Fellow in Pediatrics
A.B., Illinois College, 1933; M.D., Washington University, 1938.

EDMUND ANTON SMOLIK . . . . . Fellow in Neurological Surgery
Voluntary Assistant (Neurosurgery), Barnes Hospital.
A.B., John Carroll University, 1932; M.D., Western Reserve University, 1936;
M.S., University of Louisville, 1940.

ROBERT EUGENE STOWELL . . . . . Research Fellow in Cytology
A.B., Stanford University, 1936.

ELLENMAE VIERGIVER Research Assistant in Obstetrics and Gynecology
A.B., University of Rochester, 1936.

HERMAN THEODORE BLUMENTHAL . . Research Assistant in Pathology
B.S., Rutgers University, 1934; M.S., University of Pennsylvania, 1935; Ph.D.,
Washington University, 1938.

FRANCIS THOMAS GEPHART3 . . . . . Visiting Fellow in Pathology
A.B., Princeton University, 1936; M.D., Harvard University, 1940.

M. ARNOLD MEIROWSKY4 . . . . . Fellow in Neurological Surgery
M.D., Cologne University, 1934.

JOHN EDWARD MIKSI£ER5 . . . . . Research Fellow in Psychiatry
A.B., Washington University, 1932; B.S., 1937; M.D., 1937.

JACQUES BRUNEAU6 . . . . . . . . . . . Research Fellow in Surgery
A.B., University of Montreal, 1932; M.D., 1938.

RALPH J. HERVEY6 Research Fellow in Bacteriology and Immunology
A.B., Washington University, 1937; M.S., Utah State Agricultural College,
1940.

HAROLD H. MITCHELL6 . . . . . . . . Research Fellow in Surgery
B.S., University of Arizona, 1936.

HERNON AGUILAR6 . . . . . Fellow and Research Assistant in Surgery
M.D., University of Buenos Aires, 1929.

ELLA PFEIFFENBERGER Research Fellow in Applied Chemistry in
Pediatrics
A.B., Wellesley College, 1936; M.S., Washington University, 1940.

LOUISE Q. JACOBY . . . . . . . . . . . . Secretary to the Dean
A.B., Washington University, 1927.

1 July 1 to Sept. 1, 1940.
2 July 1 to October 31, 1940.
3 September 16 to December 16, 1940.
4 Effective January 1, 1941.
5 Effective September 1, 1940.
6 Effective October 1, 1940.
7 Effective December 1, 1940.
EXECUTIVE FACULTY

GEORGE REEVES THROOP, Bridge Chancellor

PHILIP A. SHAFFER, Dean

JOSEPH ERLANGER
ROBERT J. TERRY
EVARTS A. GRAHAM
DAVID P. BARR
SHERWOOD MOORE
EDMUND V. COWDRY
JACQUES J. BRONFENBRENNER
CARL F. CORI

LAWRENCE T. POST
JOHN V. LAWRENCE
ALEXIS F. HARTMANN
DAVID MCK. EIOCH
ROBERT A. MOORE
WILLARD M. ALLEN
THEODORE E. WALSH

GENERAL FACULTY

The General Faculty is composed of all the officers of administration and instruction above and including the rank of Assistant Professor.

HUGH McCULLOCH, Secretary of General Faculty

STANDING COMMITTEES

MEDICAL EDUCATION
Dr. Erlanger (Chairman), Drs. Sachs, Terry, Barr, Shaffer, Mr. Parker.

LIBRARY
Dr. Cori (Chairman), Drs. Alexander, Whitehorn, R. A. Moore.

BARNES HOSPITAL
Dr. Bradley (Chairman), Drs. Barr, Graham, Walsh, Allen, Post, R. A. Moore.

ST. LOUIS CHILDREN'S HOSPITAL
Dr. Hartmann (Chairman), Drs. Graham, Walsh, R. A. Moore, Miss Claiborne.

ST. LOUIS MATERNITY HOSPITAL
Dr. Allen (Chairman), Drs. Graham, Hartmann, R. A. Moore, Mrs. Keith.

EDWARD MALLINCKRODT INSTITUTE OF RADIOLOGY
Dr. S. Moore (Chairman), Drs. Graham, Barr, Terry, Hughes, Erlanger.

MCMILLAN HOSPITAL AND OSCAR JOHNSON INSTITUTE
Dr. Shaffer (Chairman), Drs. Barr, Walsh, Post, Lawrence, Graham.

FACULTY REPRESENTATIVE TO THE BARNES HOSPITAL BOARD
Dr. Graham.

WASHINGTON UNIVERSITY CLINICS
Dr. Lawrence (Chairman), Drs. Barr, Fisher, Graham, Hartmann, Allen, Bradley, Walsh, Post, Clopton, Lohr, Misses Taylor, Knapp.

The Advisory Board of the Clinics is composed of the chiefs of each clinic division and the Director of Social Service Department.

*The Dean is ex officio a member of all standing committees.*
ADMISSIONS AND SCHOLARSHIPS
Dr. Shaffer (Chairman), Drs. Jacobsen, Walton, Mr. Parker.

PROMOTIONS
Dr. R. A. Moore (Chairman), Drs. Barr, Rioch, Shaffer, Walton, Mr. Parker (Secretary).

DEPARTMENT OF SOCIA SERVICE
Dr. Barr (Chairman), Drs. Alexander, Allen, Cooke, Lawrence, Bradley, Mrs. Holland, Miss Taylor, Mrs. Rice, Mr. Van Schoick, Dr. Copher, Dr. MacBryde, Dr. Deutsch, Mrs. Keith, Miss Claiborne.

ST. LOUIS CITY HOSPITALS
Dr. T. K. Brown (Chairman), Drs. Findley, Post, Walsh, Womack, Whitehorn.

GRADUATE INSTRUCTION
Dr. Graham (Chairman), Drs. Barr, Allen, S. Moore, Walsh, Post, Hartmann, Womack.

STUDENT HEALTH
Dr. Lawrence (Chairman), Drs. Barr, Bronfenbrenner, Jean, Walton, Whitehorn, Dean Lischer (School of Dentistry).

BUSINESS OFFICERS OF THE UNIVERSITY

JOSEPH HENRY ZUMBALEN, LL.B.
Treasurer and Secretary to the Corporation

THOMAS EDWARD BLACKWELL, Ph.B., M.S., J.D.
Comptroller and Business Manager

FRANCES AGNES CLESSE, B.C.E.
Bursar

FRANCIS ALFRED BERGER, B.S., M.E.
Supervising Engineer

JOHN HENRY ERNEST, M.S.B.A.
Resident Auditor

ANNA MARIE DUKEK
Assistant Bursar

ANNA R. FOOTE
Cashier

DONALD MORRISON
Superintendent, Buildings and Grounds

FREDERICK GRANT ST. CLAIR, M.S.
Power Plant Engineer

JAMES JOHNSTONE RITTERSKAMP, JR., B.S.B.A., LL.B.
Purchasing Agent and Manager, The University Stores

ROBERT J. EMONTS, B.S.B.A.
University Accountant

OTHER OFFICERS OF THE UNIVERSITY

OSCAR CARL ORMANN, B.A. in L.S., LL.B.
Librarian

ELLA B. LAWRENCE
Librarian (School of Medicine)

MAUDE MCFARLAND HENNESSEY
Assistant Librarian (School of Medicine)

HELEN KAISER
Assistant Registrar (School of Medicine)

FRANK HENRY EWERHARDT, M.D.
Director of Physical Education and University Health Service

PHILO STEVENSON, A.B.
School Visitor

PAUL O. HAGERMAN, A.B., M.D.
Campus Physician

J. TED JEAN, M.D.
Physician to Medical and Dental Students

CLAY BALLEW
Director of University Chorus

E. KENDALL HARRISON, A.B.
Alumni Representative,
Head, Appointments and Employment Bureau,
Director, News Bureau
THE SCHOOL OF MEDICINE

McMILLAN HOSPITAL AND OSCAR JOHNSON INSTITUTE

The operation of the McMillan Hospital (for Eye, Ear, Nose and Throat) is now limited to its outpatient departments, which function as divisions of the University Clinics. The hospital services in Ophthalmology and Otolaryngology are located in the Barnes and St. Louis Children's Hospitals.

The Oscar Johnson Institute constitutes the research and teaching laboratories of the Departments of Ophthalmology and Otolaryngology. It houses at present also research laboratories used by the departments of Research Pathology, Internal Medicine, Biophysics and Neuropsychiatry.

SOCIAL SERVICE DEPARTMENT OF WASHINGTON UNIVERSITY CLINICS AND ALLIED HOSPITALS

MISS MARY K. TAYLOR .... Director
MISS ISABEL BERING .... Administrative Assistant
MRS. ELIZABETH PAYNE .... Educational Assistant

OFFICERS OF THE BOARD OF MANAGERS

MRS. ROBERT A. HOLLAND, JR. .... President
MRS. STANLEY STONER .... First Vice-President
MRS. EDWARD MALLINCKRODT, JR. .... Second Vice-President
MRS. J. LIONBERGER DAVIS .... Treasurer
MISS CARLOTA GLASGOW .... Assistant Treasurer
MRS. STONER CARLING .... Secretary
MRS. SAMUEL C. MCCLUNEY .... Assistant Secretary

THE AFFILIATED HOSPITALS

THE BARNES HOSPITAL

ADMINISTRATION

FRANK R. BRADLEY, M.D. .... Superintendent
CORNELIA S. KNOWLES, R.N. .... Chief Admitting Officer
HARRY C. DUNHAM .... Business Manager

Appointment to the staff of the Hospital is indicated under the individual’s name in the staff list of the School.

ST. LOUIS CHILDREN’S HOSPITAL

ADMINISTRATION

ESTELLE D. CLAIBORNE, R.N. .... Superintendent
LILLY D. HOEKSTRA, R.N. .... Assistant Superintendent
MARY M. REYNOLDS, R.N. .... Assistant Superintendent
MARJORIE M. MOORE, R.N. .... Superintendent of Nurses
JUNE McILVIN, R.N. .... Admitting Officer

Appointment to the staff of the Hospital is indicated under the individual’s name in the staff list of the School.
MARY J. KEITH . . . . . . . . . . . . . . . Superintendent

Appointment to the staff of the Hospital is indicated under the individual's name in the staff list of the School.

UNIVERSITY CLINICS
Outpatient Departments of the Barnes, the St. Louis Children's, the St. Louis Maternity and the McMillan Hospitals

BOARD OF MANAGERS

Mr. Walter V. Scholz . . . . . . . . . . . . . . . . President
Mrs. Eugene McCarthy . . . . . . . . . . . . . . . Vice-President
Dr. John V. Lawrence . . . . . . . . . . . . . . . Secretary
Mr. Donald G. Gibbins . . . . . . . . . . . . . . . Treasurer

Mrs. Horton Watkins
Mrs. John Haskell
Mr. William H. Danforth
Miss Mildred McCluney
Mr. T. W. Van Scholack

Mrs. Harry B. Wallace
Mrs. Robert A. Holland, Jr.
Dr. David P. Barr
Mr. Lemuel R. Carter
Dr. Malvern B. Clopton, ex officio

John V. Lawrence . . . . . . . . . . . . . . . . Director of Clinics
Edna Miller Gibson . . . . . . . . . . . . . . . Supervisor of Nursing
Flora Robinson Wells . . . . . . . . . . . . . . . Record Librarian
J. S. Crawford . . . . . . . . . . . . . . . . . Optician

The University Clinics is conducted by the medical school under the supervision of a separate Board of Managers. Formerly called the Dispensary, the present name was adopted in 1932 when the outpatient service was reorganized to serve more efficiently as a means of teaching private and group medical practice. It represents as well a medical service to the community, and affords examples to medical students of their social and community obligations. The number of patient visits to all clinic subdivisions during the past year was 137,928.

Appointment to the staff of the Clinics is indicated under the individual's name in the staff list of the School.

THE ST. LOUIS CITY HOSPITALS

The University nominates to the Hospital Commissioner Visiting Physicians and Surgeons to the City Hospital, the Homer G. Phillips Hospital and the Malcolm A. Bliss Psychiatric Institute. Those holding appointments in the University Staffs of these hospitals are designated in the staff list of the School.
HISTORICAL STATEMENT
THE SCHOOL OF MEDICINE:

The first medical schools established west of the Mississippi River were organized as departments of the Roman Catholic St. Louis University and of the Protestant Episcopal Kemper College, in which departments courses of instruction were first offered in 1842 and 1840, respectively. From these origins there arose two independent schools, the St. Louis Medical College popularly known as "Pope's College," and the Missouri Medical College or "McDowell's College," the union of which formed the Medical Department of Washington University. Accounts of the history of these medical schools are to be found in the Centennial Volume of the St. Louis Medical Society and in the Medical Alumni Quarterly of Washington University.

The discontinuance of Kemper College in 1845 led the founder of its medical department, Dr. Joseph Nash McDowell, to establish his faculty by legislative act as a part of the State University of Missouri. In 1855 this relationship was terminated by incorporation of the Missouri Medical College as an independent institution. After interruption by the Civil War it was resumed and in 1866 was again affiliated for a brief period with the State University. In 1899 it became united with the St. Louis Medical College which eight years earlier had become the Medical Department of Washington University.

In 1855 the medical faculty of St. Louis University withdrew from that affiliation and under the leadership of Dr. Charles Alexander Pope incorporated the St. Louis Medical College, which maintained independent status until 1891, when it became the Medical Department of Washington University, retaining its own name however until the union with the Missouri Medical College in 1899.

The Medical Fund Society, an association of members of the St. Louis Medical faculty, had an important part in securing financial support for the erection of buildings and for operation of that school during the period preceding its affiliation with the University and until the reorganization in 1910. The Medical School building at 1806 Locust Street, which housed

\[1\] A brief historical statement of other departments of the University appears in the bulletin of the College of Liberal Arts.
the laboratories of all departments and the outpatient dispensary until the School moved to its present site on Kingshighway, was erected in 1891 for the St. Louis Medical College by the Medical Fund Society.

With the union of the two medical schools in 1899 under University auspices, the faculty was enlarged, clinical facilities were increased, additional space and equipment were obtained, the curriculum was strengthened and greater opportunity for investigation was provided. The Missouri Medical College building on Jefferson Avenue was remodeled and converted into the Washington University Hospital. About this time (1905) the Maternity Department was opened and the Training School for Nurses was begun. The Polyclinic Hospital, with an addition, became the Washington University Dispensary. The Martha Parsons Children's Hospital was affiliated in 1906.

In 1910 the Corporation of the University, with the cooperation of the Medical Faculty, reorganized the School in all departments and appointed new heads of departments and their assistants in anatomy, physiology, biological chemistry, pathology, medicine, surgery, and pediatrics, who devote themselves to teaching and research. Associated with this staff clinical instructors were chosen from the medical profession of St. Louis. These changes were made with the aid of funds donated by philanthropic citizens of St. Louis. The inspiration for this movement came from Robert Somers Brookings, then President of the Corporation, who contributed his fortune toward the realization of his plans. For four years the reorganized school continued to occupy the laboratory and clinic building erected by the Medical Fund Society on Locust Street, and as the University Hospital the building on Jefferson Avenue formerly used by the Missouri Medical College.

In 1914 the Medical School moved to new buildings facing Forest Park on the corner of Kingshighway Boulevard and Euclid Avenue, to form part of a new medical center which comprised also the Robert A. Barnes Hospital, the St. Louis Children's Hospital and the Out-Patient Dispensary (later called the University Clinics).

The next institution to join the group was the St. Louis Maternity Hospital which moved into the present building in 1927. In 1931 the McMillan Eye, Ear, Nose and Throat Hospital, provided by the bequest of Mrs. Eliza McMillan and the
Oscar Johnson Institute, the gift of several donors, were erected by the University. The Edward Mallinckrodt Radiological Institute, the gift of Mr. Mallinckrodt and his son, was erected in 1931 and has since provided the X-ray services for the whole group.

Prior to the reorganization of the Medical Department the requirement for admission had been a four year high school course. In 1910 the requirements were raised to one year of collegiate study of specific subjects. In 1912 two college years, and in 1925 three years, were required. Four years of collegiate work leading to the bachelor's degree became, in effect, the requirement for admission in 1931.

It is now the opinion of the faculty that greater emphasis is needed on the quality rather than the quantity of college preparation, and that the stated requirements for admission should allow much freedom for the selection of courses and programs of study best suited to the aptitudes and interests of the individual student. In keeping with this policy, it has been decided to abolish the requirement of the bachelor's degree for admission and to refrain from defining in credit units the required preparation in science subjects. As stated elsewhere (p. 45), greater weight will be given to personal qualifications and to the quality of individual accomplishment.

LABORATORIES AND CLASS ROOMS

The laboratories and lecture rooms of departments representing the medical sciences are housed in three medical school buildings, commonly referred to as the North, South and Clinic-Pathology Buildings. The North Building contains the Medical Library, the Administrative Offices, the main Auditorium, the laboratories of experimental Surgery and the departments of Anatomy and Histology.

The South Building houses the laboratories of Physiology, Pharmacology and Biological Chemistry. The Clinic-Pathology Building contains the University Clinics, teaching and research laboratories of the department of Internal Medicine and the departments of Bacteriology and of Pathology. The autopsy rooms, mortuary and amphitheater, serving the group of hospitals, occupy an annex to this building.

The Oscar Johnson Institute comprises six floors of laboratories and class rooms devoted primarily to teaching and research in Ophthalmology and Otolaryngology. The Institute houses also research laboratories now used temporarily by the
departments of Research Pathology, Internal Medicine, Biophysics and Neuropsychiatry.

CLINICAL FACILITIES

The affiliation of the Barnes Hospital, the St. Louis Children's Hospital, the St. Louis Maternity Hospital, the McMillan Eye, Ear, Nose and Throat Hospital and the Oscar Johnson Institute, with the School of Medicine, and their location together on one plot of ground makes this group of institutions for teaching purposes integral parts of the School of Medicine.

By the terms of the affiliation the Faculty of the School constitutes the professional staffs of these hospitals as well as of the University Clinics, an arrangement that makes for continuity of medical care and instruction in all divisions. The Clinics serve as outpatient departments of the hospitals, and furnish instruction in the care of ambulatory patients.

About 135,000 visits are made yearly to the University Clinics in all departments. The Barnes Hospital has 450 beds, of which about 180 are in wards used for undergraduate teaching, allocated mainly to the departments of Medicine and Surgery. The St. Louis Children's Hospital has 208 beds and the St. Louis Maternity Hospital 100 beds plus 100 bassinets. Patients on the ophthalmological and otolaryngological services are assigned to the various hospitals.

In addition to the laboratories located in the hospitals for the performance of the simpler diagnostic tests by house officers and students, there are various special laboratories in the Medical School buildings for the more elaborate procedures used in diagnosis. The conduct of these laboratories, as well as the care of patients in the Affiliated Hospitals and in the University Clinics is directed by the several clinical departments.

In all departments of the School there are also special laboratories with facilities for study and research which are made use of in connection with clinical work in the hospitals.

The Mallinckrodt Radiological Institute, built adjacent to and connected on each floor with the Barnes Hospital, is owned by the University and is operated as a department of the Medical School. It provides excellent facilities for X-ray examination and therapy which are utilized by all of the affiliated Hospitals and affords exceptional opportunities for both undergraduate and graduate teaching. By a special endow-
ment the staff of the Radiological Institute is enabled to carry on researches in both clinical and experimental subjects, independently and in collaboration with other departments. The staff includes residencies for the training of graduate physician radiologists.

The patients in certain of the St. Louis City Hospitals are also utilized for both undergraduate and graduate teaching. By arrangement with the Hospital Commissioner, the Medical School nominates the staffs for a unit (one-third) of the City Hospital, a unit (one-half) of the Bliss Psychiatric Institute, and the senior staff (1939-41) of the Homer Phillips Hospital. The facilities of these large and varied hospital services are being increasingly used for teaching and research by organized staffs from all clinical departments of the School. The Isolation Hospital (for contagious diseases) and the City Sanitarium (for mental diseases) are also used for study and teaching in these subjects.

Through arrangement with its staff, students observe patients in the St. Louis Shriners' Hospital for Crippled Children, which adjoins the Medical School.

The number of patients available in these hospitals provides abundant and varied clinical material under favorable conditions for demonstration, examination and study by the students under immediate supervision of the staff.

LIBRARY

The Library contains (October 1, 1940) 56,469 bound volumes and receives 539 medical periodicals, selected with reference to the needs of students and investigators. There are 752 complete sets of periodicals.

The Library has acquired by gift and by purchase a number of private collections on medical history and on the various branches of clinical medicine. Among these is the collection of manuscripts, letters and other valuable material of the pioneer American physiologist, William Beaumont. A special room, the Beaumont Room, has been set aside for the exhibition of this priceless collection of documents.

The Library is open week days from 8:00 a.m. to 10:00 p.m. During the summer vacation the hours are 9:00 a.m. to 5:00 p.m.

Other libraries in St. Louis containing literature relating to medicine, which are available to students, include the library of Washington University, the Mercantile Library, the
St. Louis Public Library, the library of the St. Louis Medical Society and the library of the Missouri Botanical Garden.

LECTURESHIPS

The Mu Chapter of the Phi Beta Pi fraternity has established an annual lectureship in honor of Dr. Leo Loeb, Professor Emeritus of Pathology.

The Alumni of the School have established a Robert J. Terry Lectureship Fund "for the purpose of fostering greater appreciation of the study of human anatomy in relation to the teaching and practice of medicine."
REQUIREMENTS FOR ADMISSION

The first year class is now limited to eighty-two students. From a much larger number of applicants the Faculty Committee on Admissions tries to select those who appear to be best fitted to take up the study of medicine. The selection is based mainly on two considerations: the personal qualities of the applicant and his, or her, scholastic attainments. In judging a candidate's qualifications, the committee is disposed to give great weight to evidence of personal fitness, ability, and interest; and to be rather less concerned as to the number of credits in required courses than with the quality of the work and with the student's interests as indicated by the courses he has chosen.

The personal qualities regarded as essential are, besides intellectual ability, an awakened interest, initiative and industry, health and character,—without which the accumulation of scholastic credits will not qualify a student for medicine. Evidence regarding personal qualities is secured from the opinions of college teachers and others well acquainted with the applicant, from interest and aptitude tests and from personal interviews.

Medicine is concerned with such a variety of community, social and individual problems as to demand of all entering this profession a cultural as well as a technical education. The college should lay foundations for both. The foundation for the technical part of education for medicine consists primarily of acquaintance with the elementary facts and principles of chemistry, physics and biology. A thorough drill in the principles of science is necessary for a comprehension of the expanding knowledge of the medical sciences upon which the advances of modern medicine are based, and also is the effective way to cultivate the type of mental discipline that is essential in the study and practice of medicine.

Courses in the basic sciences, if confined to the minimum, will occupy about one-fourth of a full four year college schedule. This much of the pre-professional preparation must have a measure of uniformity of content, designed for use in the medical sciences. But the rest of the college work should be chosen with the object of developing the intellectual talents of the individual, rather than as required pre-professional preparation. Only to the extent that he acquires primary interests in a particular field of science, should a student concen-
trate his studies in that direction. In any case, the college work should include courses in language and literature, history, and the social sciences, or other subjects which may afford the foundation for cultural development. Unless that foundation is laid early, there is the danger that later demands of technical and professional training may lead to its neglect.

Another guiding principle should be the recognition that the interest and earnestness with which any study is done measures its lasting value. The spirit of a course is more important than its content, if it stimulates interest, cultivates an inquiring and thoughtful attitude. Development of an inclination to study and the habit of reasoning, whatever the subject matter may be, is more valuable than an obligatory course taken merely to satisfy entrance requirements.

To be eligible for admission to the first year class the following minimum scholastic requirements, interpreted in the spirit of the above statement of principles, must be met:

1. Satisfactory completion of college courses covering the equivalent of not less than three years' work toward the Bachelor's degree in an approved university or college. (About 80 percent of those accepted in recent years were college graduates.)

2. The college work must include:
   a. A knowledge of English such as is required for the Bachelor's degree by approved colleges. The importance of acquiring facility in the accurate and discriminating use of English deserves emphasis.
   b. A knowledge of the principles of inorganic and organic chemistry. (The work in inorganic chemistry must include laboratory work covering the elements of volumetric analysis.)
   c. A knowledge of the principles of physics, afforded by a course including laboratory work of quantitative character.
   d. A knowledge of the principles of general biology afforded by a course or courses with laboratory work.

Applicants are expected to have taken the Medical Aptitude Test of the Association of American Medical Colleges.

The source of much fundamental knowledge of the sciences and of medicine is in languages other than English, especially in German and French. For those who desire to have access to this literature, a reading knowledge of these languages is necessary.
Applications for admission should be filed as early as possible, and in all cases before March 1 of the year during which admission is sought.

Within ten days after notification of acceptance, successful applicants are required to send to the Registrar a deposit of fifty dollars, to be applied toward the first payment of tuition. The deposit is not returnable.

If a student does not register on the days designated, his place in the class may be lost unless the Registrar is notified in advance and postponement is allowed.

Application blanks will be furnished upon request. After supplying all information called for therein, the applicant should return the blanks and, in addition, should request his college to send directly to the Registrar complete official transcripts of high school and college credits. To aid in judging the fitness of an applicant, the student's science instructors should be requested by him to send personal letters to the Dean, giving estimates of the student's ability, character and personality.

ADMISSION TO ADVANCED STANDING

Applications for advanced standing will be considered only insofar as there are vacancies in the classes. Applications should be filed early, and under any circumstances before March 1 for admission the following September. Only those students who have unconditional standing in the medical schools from which they seek to be accredited are considered for admission to advanced classes. Within ten days after notification of acceptance, successful applicants are required to send to the Registrar a deposit of fifty dollars, to be applied toward the first payment of tuition. The deposit is not returnable.

Applicants for advanced standing (1) must furnish evidence that the requirements for admission to the first year class have been fulfilled; (2) must have studied as a matriculated medical student in an acceptable medical school for a period of time at least equal to that already spent by the class to which he seeks admission; (3) must show that courses equivalent in kind and amount to those given in this School, in the year or years preceding that to which admission is desired, have been satisfactorily completed; and (4) in doubtful
cases may be required to pass an examination in any of the subjects for which credit is sought.

Only rarely are new students accepted for the fourth year class.

In addition to the credentials required for admission, applicants for advanced standing are required to furnish credentials from the medical school in which they have studied, enumerating all medical courses pursued, grades obtained, and stating the dates of their registration as matriculated medical students.

ADMISSION OF GRADUATES IN MEDICINE

Applicants who already hold the M.D. degree are rarely admitted to the School as candidates for that degree, but may be admitted to the School on the following basis. (1) With the consent of heads of the departments concerned graduates may take individual work in one or more departments as special students. (2) A limited number of graduate physicians, or others who may be qualified, may be admitted to courses with the undergraduate classes subject to the consent of the instructors and the head of the department. Fees for special courses, individual instruction or material will be determined in each case by the Dean in conference with the head of the department in which the work is done. (3) Special post-graduate courses are offered in several departments concerning which full information will be given upon request. (See p. 89.) (4) Qualified investigators may be accepted as volunteer research assistants upon the written recommendation of the head of the department.

STANDING AND PROMOTION

The following new procedure for action on promotion and graduation has been adopted.

(1) After the completion of a major course each department reports to the dean's office the order-rank of each student in the class for that course, designating in each case "honors," "pass" or "fail." The rank and designation may be based upon attitude and performance as well as upon examination grades.

(2) For each class there is a Promotions Committee which periodically reviews the records of all students in that class and acts in accordance with the following rules.

(a) A student having recorded failures in two major subjects (see list below) will be required to withdraw from the class.
Major Subjects.
First Year: Anatomy, Cytology, Biochemistry, Physiology (1/2).
Second Year: Physiology (1/2), Bacteriology, Pathology, Pharmacology, Medicine, Surgery (1/2).
Third Year: Medicine, Neuropsychiatry, Obstetrics and Gynecology, Surgery, Public Health (1/2).
Fourth Year: Medicine, Obstetrics and Gynecology, Pediatrics, Surgery, Ophthalmology (1/2), Otolaryngology (1/2).

(b) All students will be promoted to the next class who rank in the upper four-fifths of the class in at least 60% of the scheduled clock hours, provided there are no failures.

(c) All students who rank in the lower one-fifth of the class in more than 40% of the scheduled hours or who are in the lower one-fifth of the class in two major subjects, or who fail one of the third year objective examinations (see below) shall be considered as having a condition for the year’s work.

This condition may be removed by the appropriate committee on promotion upon the basis of: (1) The student’s record; in evaluating a student’s record, the committee shall consider not only scholarship, but also social, economic and other personal factors. (2) A special comprehensive examination given under the direction of the subcommittee in September. A student who fails this examination shall be required to withdraw from his class.

(d) Students who at the end of any year have recorded only one failure in a major department will be required to remove this failure as directed by the department concerned. When, and if, the failure is removed, the subcommittee will consider the student’s entire record under rules (b) and (c) above. A student who has recorded a second failure in the attempt to remove a first failure will be required to withdraw from his class.

(e) No student shall be promoted to the third year until there is satisfactory credit for all required subjects of the first and second year.

(f) Under exceptional circumstances the promotion committees may suggest to the Dean and to the Committee on Admissions and Scholarships that a student be allowed to repeat certain courses as a special student or to repeat the work of the entire year as a member of the next class.

For the general guidance of the committee on promotion for
the third year, all students are required to take two written comprehensive examinations of the objective type, during the third year. An examination in November will test the student's ability to correlate the preclinical sciences with the clinical sciences. An examination in May will cover the subject matter of the third year. These examinations are held under the direction of the committee on promotion for the third year.

A student who fails either of the above examinations will be considered under rule (c) of section 2 listed above.

The objective examinations do not replace departmental examinations.

A student who, because of poor quality of work or conduct, is judged by the Committee as unqualified to continue the study of medicine, will be required to withdraw from the School.

The registration of a student may be canceled at any time if in the opinion of the faculty his further attendance is deemed undesirable. A pro rata refund of the tuition will be made in such cases.

REQUIREMENTS FOR DEGREES

DOCTOR OF MEDICINE

Candidates must be more than twenty-one years of age and of good moral character. They must have attended not less than four annual courses of instruction as matriculated medical students, the last of which has been in this School. They must have passed all required courses, or their equivalent, and have received satisfactory grades in the work of the entire four years. They must have discharged all indebtedness to the School.

At the end of the fourth year students who have fulfilled these requirements will be recommended for the degree of Doctor of Medicine. Candidates must be present when degrees are conferred.

BACHELOR OF SCIENCE IN MEDICAL SCIENCE

Students may become candidates during the medical course for the degree of Bachelor of Science in Medical Science, provided the quality of work done in required courses is satisfactory. Acceptance as candidates for this degree is granted not earlier than after completion of the courses of the first year. Requirements for the degree are the satisfactory conduct of an investigation in one of the medical sciences and the prep-
aration of an acceptable thesis, which must be presented to the head of the department concerned by May 1st of the year the degree is to be awarded. Compliance with the requirements for this degree will not usually be attained before the end of the third or fourth year.

INTERN APPOINTMENTS

An internship in an approved hospital is regarded as necessary in preparation for the practice of medicine. The School does not assume responsibility for securing intern appointments for its graduates; but it does aid both students and hospitals in arranging for satisfactory selections. During the junior and senior years students confer with the Assistant Dean who advises them concerning the character of the services offered by various hospitals and thus aids the student in selecting the hospital of his choice. The Assistant Dean also advises the hospitals concerning the qualifications of students who apply for appointment. Virtually every graduate of the School is placed in a suitable internship.

About half of the members of each class now secure appointments in hospitals of St. Louis, most of them in rotating services.

There are about seventy positions on the house staffs of the hospitals in the Medical Center. This number includes residencies as well as internships, nearly all of which are straight services limited to a single department. Appointments are made on nomination by the heads of the respective departments, and in most cases are available only to those who have completed another internship. A few appointments in medicine, in pathology and in surgery are made to high ranking members of the graduating class.

PRIZES

GEORGE F. GILL PRIZES:

1. One prize of fifty dollars is awarded at the end of the first year to the member of the class who has made the highest grade in anatomical work.

2. One prize of fifty dollars is awarded to a member of the graduating class, of high general standing, who has done especially good work in the Department of Pediatrics.

ALPHA OMEGA ALPHA FRATERNITY PRIZE is awarded at the end of the fourth year to the member of that class who has made the highest average for the entire medical course.
The Alexander Berg Prize of one hundred dollars is awarded to a student of high general standing who presents the best results in research in bacteriology.

The Howard A. McCordock Book Prize is awarded at the end of the second year to a member of that class for general excellence in pathology.

FELLOWSHIPS AND SCHOLARSHIPS

The Jackson Johnson Fund. Under the will of the late Mr. Jackson Johnson the sum of $250,000 was given to the University, the income to be used "to aid worthy and desirable students in acquiring and completing their medical education." The income of this fund is now being devoted mainly to Honor Scholarships named for the donor.

The purpose of the Jackson Johnson Scholarships is to enable students of exceptional ability and performance, regardless of their financial resources, to enter upon training for careers in medicine and medical sciences. The awards are restricted to those judged to possess definitely superior talents and qualifications, and are made initially only to applicants accepted for the first year class in the School of Medicine. The award may be continued for each of the later years of the course provided the quality of the student's work justifies it.

The amount of the stipend is not fixed, being determined in each case by the need of the individual for financial aid. Award of a Jackson Johnson Scholarship is regarded as a mark of distinction, and carries certain privileges in the School. When made to students not in urgent need of financial aid, the award carries no stipend or only a nominal stipend. For those recipients whose resources are inadequate for tuition and living expenses, the stipends will be set at amounts that will permit maintenance during the academic year without outside employment for support. Holders of these scholarships are not permitted to engage in outside employment, except with the consent of the Dean. The object is to aid in providing favorable circumstances for the development of the student's talents. Employment having educational value in laboratories of the School, with or without compensation, is occasionally available to holders of scholarships as also to other students. During the year 1940-41 there are twenty-five holders of Jackson Johnson Scholarships in four classes, the
average stipend being $550. The maximum (including stipends of student-assistantships) is $900.

Applications for 1941-42 will close on January 1, 1941. Applications for 1942-43 should be submitted, on blanks provided for the purpose, between October 1, 1941 and January 1, 1942.

Emergency loans in limited amounts are available from the Jackson Johnson Fund for students in the upper three classes of the School, when needed to meet unexpected emergencies during the academic year. The loans are granted by the Chancellor on the recommendation of the Dean.

A FELLOWSHIP IN NEUROLOGICAL SURGERY with a stipend of $1200 per year is awarded on recommendation of the Department of Surgery. Candidates must be graduates in medicine who will have completed an internship.

A MEMORIAL FELLOWSHIP with a stipend of $500 is supported by a gift from an anonymous donor in memory of his brother. It is awarded for one year to a graduate of the School, preferably a woman, for post-graduate study in anaesthesia, radiology, pathology, clinical pathology, immunology, public health or related fields.

The GEORGE F. GILL SCHOLARSHIP, instituted in memory of the late Dr. George F. Gill, Clinical Professor of Pediatrics, entitles the holder to remission of the tuition fee to the amount of $100.

THE ALUMNI SCHOLARSHIP AWARD of $100 to be applied on the payment of the tuition fee is given for excellence in work during the preceding scholastic year on the recommendation of the Committee on Loans and Scholarships and the President of the Medical Alumni Association.

The DR. JOHN B. SHAPLEIGH SCHOLARSHIP. From a bequest of the late Dr. John B. Shapleigh, supplemented by contributions by the late Mrs. Shapleigh and Miss Margaret Shapleigh, a fund has been established the income of which is used to pay the tuition of students in need of assistance.

The ELIZA McMILLAN STUDENT AID FUND. From the bequest of the late Mrs. Eliza McMillan, the annual income on $7,000 provides a scholarship for a deserving woman student in the School of Medicine.

The T. GRISWOLD COMSTOCK SCHOLARSHIPS. Through the bequest of the late Mrs. Marilla E. Comstock, the annual income from $12,000 is used for two scholarships for students who otherwise would be unable to obtain a medical education
and who desire and intend to follow the practice of medicine and surgery.

**The Joseph H. Roblee Scholarships.** Provided through the gift of Mrs. Florence A. Roblee (Mrs. Joseph H. Roblee), the income from the Joseph H. Roblee Scholarship Endowment Fund of $12,000 maintains two scholarships annually. They are awarded by the Chancellor to qualified, worthy and deserving students in any division of the University.

**The Robert Allen Roblee Scholarships.** Through the gift of Mrs. Florence A. Roblee (Mrs. Joseph H. Roblee) the income from the Robert Allen Roblee Scholarship Endowment Fund of $15,000 provides one or more scholarships for qualified, worthy, and deserving students.

**Andrew Rankin Fleming and Susie Fleming Fund.** Through the bequest of the late Mrs. Susie Fleming, $150.00 from the income of this Fund is available annually for scholarships for worthy and needy students in the School of Medicine.

**The Aline Rixman Loan Fund.** Provided through the gift of Mr. William Rixman the fund is used to alleviate unexpected financial emergencies that arise among medical students during the academic year. The fund is available to any student who in the judgment of the Dean gives promise of becoming a competent physician. It is expected that loans will be repaid within a reasonable time after the student has finished his training. The loans are granted by the Chancellor on the recommendation of the Dean.

**The W. McKim Marriott Scholarship Award,** instituted in memory of the late Dr. W. McKim Marriott, Dean and Professor of Pediatrics, by Dr. C. V. Mosby for the C. V. Mosby Co. entitles the holder to an award of $500 which provides tuition for the recipient in the School of Medicine. The scholarship is awarded annually preferably to a deserving young man who shows promise in the field of pediatrics. The award is made by the Chancellor on the recommendation of the Dean and the Professor of Pediatrics.

**Student Assistantships** are available in a number of departments in the School. Information concerning these may be obtained from the heads of the departments concerned.

Applications for all fellowships, scholarships and assistantships may be made to the Dean. The awards are made by the Chancellor on the recommendation of the Dean.
REGISTRATION

Registration for the first half year, 1941-42, is scheduled for Monday, September 22, and Tuesday, September 23, 1941; for the second half year, Monday, February 2, 1942. Hours for registration are 9 to 11:30 and 2 to 5 daily.

Previously matriculated students who fail to register on any of the days set aside for that purpose will be charged a fee of $3.00.

FEES AND EXPENSES

The University reserves the right to change the fees herein stated at any time without notice. Whenever a change is made, it will become effective with the next installment due for payment by the student.

All fees and charges are payable in advance at the office of the Treasurer in Robert S. Brookings Hall, or at the office of the Registrar of the School of Medicine. No rebate of the tuition fee will be made for absence, whether such absence occurs at the beginning, middle, or end of the semester, except in cases of prolonged illness, certified to by a physician. In such cases a partial refund may be made, which will not exceed one-half of the unexpired balance of the tuition for the term.

Checks should be made payable to Washington University.

MATRICULATION FEE. A matriculation fee of $5.00 is required of all students upon initial registration.

TUITION FEE. For undergraduate students registered in the School before September, 1938 the tuition fee is $400.00. For those matriculating after September 1, 1938 the tuition fee is $500.00, payable in two equal installments, at the beginning of the first and second semesters.

Students taking less than full work are charged $62.50 for the first one hundred hours or less of work. Students taking more than one hundred hours of work pay $50.00 for each additional hundred hours.

BREAKAGE DEPOSIT. Each student is required to deposit $10.00 annually to cover breakage in the School of Medicine, clinics and hospitals. Any balance of this deposit will be returned at the end of each year. At any time the amount of breakage exceeds the amount of deposit an additional deposit will be called for.

UNIVERSITY HEALTH SERVICE. A fee of $8.00 annually is charged each student for medical health service. This fee
covers a complete medical and dental examination of the student on admission to the School and the services of a physician available daily for medical consultation throughout the year.

STUDENT ACTIVITIES. A fee of $10.20 a year, payable in two installments (one at the beginning of each semester) is charged all undergraduate students in the University for the support of athletics and several other student activities. This fee is under the control of the Board of Student Finances and provides admission to all athletic events and participation in certain other student activities. For students in the Medical School having a Bachelor's degree payment of this fee is optional.

DIPLOMA FEE. The diploma fee for the degree of Doctor of Medicine is $5.00 and for the degree of Bachelor of Science in Medical Science is $3.00. These fees are payable before Commencement.

MICROSCOPES AND DIAGNOSTIC INSTRUMENTS

Each student entering the Freshman class is required to possess a standard microscope equipped with a substage light. All students are required to provide themselves with stethoscopes, ophthalmoscopes, otoscopes, hemocytometers, percussion hammers, tape measures, flashlights, head mirrors and skin pencils as the need for them arises.

Supplies and books may be purchased at the bookstore located in the Medical School.

ESTIMATE OF EXPENSES

An estimate of the average annual expenses of a student in the School of Medicine, excluding the cost of clothes, laundry, microscope, and incidentals, is given below. The amounts will vary considerably, according to the individual.

<table>
<thead>
<tr>
<th>Expense</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$500.00</td>
</tr>
<tr>
<td>Breakage Deposit</td>
<td>10.00</td>
</tr>
<tr>
<td>Matriculation Fee (payable once)</td>
<td>5.00</td>
</tr>
<tr>
<td>Health Service Fee</td>
<td>8.00</td>
</tr>
<tr>
<td>Books and Instruments</td>
<td>$50.00 to 100.00</td>
</tr>
<tr>
<td>Room and Board (from $6.00 to $15.00 a week)</td>
<td>$210.00 to 500.00</td>
</tr>
<tr>
<td>Total</td>
<td>$783.00 to $1,123.00</td>
</tr>
</tbody>
</table>

MEN'S DORMITORY OF THE SCHOOL OF MEDICINE

A dormitory building containing rooms for about fifty students is situated in close proximity to the School. A tennis
court is located in the rear of the building. Each occupant must furnish his own sheets, pillow cases, counterpanes and blankets; otherwise the rooms are furnished.

The rental of a room is $90.00 for the academic year, payable in two installments in advance, at registration for the first and second semesters. Reservations are accepted only for the full academic year. Application for reservation should be made to the Registrar and must be accompanied by a reservation fee of $10.00. This fee will be returned should the room not be assigned. If a room is assigned, the fee will be held by the University as a bond against possible damage to the room or furniture. Subject to such claim it will be refunded at the end of the academic year.

GENERAL PLAN OF INSTRUCTION

Instruction in the School of Medicine is given to candidates for the degree of Doctor of Medicine, to graduate physicians, and to students in the School of Graduate Studies who may or may not be candidates for higher degrees. Courses which are open to students in the University, not candidates for the degree of Doctor of Medicine, are listed in the announcements of the College of Liberal Arts and of the School of Graduate Studies.

The course of study required of candidates for the degree of Doctor of Medicine is designed for students who have already received certain preliminary training. As stated in detail on p. 46, the student on entering the School must have a knowledge of chemistry, physics, biology, and English.

The medical curriculum, covering four years of 33 weeks each can be divided into two distinct periods.

The first period includes the first and second years. During this time the student studies the fundamental sciences of anatomy, biological chemistry, physiology, bacteriology, pathology and pharmacology. For this first period, the interest is concentrated primarily on the scientific basis of medicine, and every effort is made to train the faculty of critical and independent observation. Anatomy and biological chemistry are studied during the first year. In the second half of this year, the study of physiology begins. During the first third of the second year physiology and bacteriology are completed; and during the remainder of the year the courses in pharmacology and pathology are given, and physical diagnosis, medical observation, clinical chemistry and microscopy, and surgical
technic are introduced, in preparation for the clinical work of the second period of training. In preparation for more adequate instruction in Neuropsychiatry the study of medical psychology is begun in the first year and a closer correlation of neuroanatomy and neurophysiology is made with the clinical problems of psychosomatic medicine.

The second period, extending through the last two years, is devoted primarily to clinical work. The student receives practical instruction in the clinics and in the hospital wards of medicine, surgery, obstetrics and pediatrics and of the medical and surgical specialties. During his assignment to the wards of the hospitals the student at first is given practice and instruction in history taking, physical examination and elementary diagnosis and may then spend his entire day in the wards with duties differing little from those of a junior intern. The work in the clinics with ambulant patients occupies from six to eight hours per week for a year or more. Here the students under supervision act as physicians and as surgical dressers. During this period courses are given in surgical and gynecological pathology. Special emphasis is placed upon diagnosis of disease and treatment of patients. There are few purely didactic lectures. Instruction is given in clinics and at the bedside.

The scheduled courses, required of all students, occupy from thirty to forty hours a week during thirty-three weeks in each school year. As far as possible the schedules are arranged so as to leave free several half days each week. Those students who can profitably do so are encouraged to carry during their free time, and also during the summer, additional work in the subjects of their greatest interest. During any stage of his training the student may avail himself of the opportunity to develop his special interest in any one of the fundamental sciences or clinical subjects for which he has the prerequisites.

Optional courses are offered in all departments and supply a wide variety of subjects from which to choose. In general these courses are not assigned places in the schedule, and rarely is the number of hours specified; it is expected that such details will be arranged individually through consultation between the student and the instructor in charge.

With the approval of the head of the department concerned, a limited number of well qualified students may be allowed to complete their clinical clerkships during the summer months.
COURSES OF INSTRUCTION

ANATOMY

(The Department of Anatomy includes Gross Anatomy, Cytology and Neurology.)

PROFESSORS TERRY, COWDRY.
ASSOCIATE PROFESSORS TROTTER, SCOTT, O'LEARY.
ASSISTANT PROFESSORS WILLIAMS, SEIB, CHARLES.
RESEARCH ASSOCIATES MACCARDLE, SIMPSON, CRAMER.
INSTRUCTORS BARTLETT, SCHWARTZ.
ASSISTANT LANIER.
RESEARCH ASSISTANT ROBERT W. EVANS.
RESEARCH FELLOW STOWELL.
STUDENT ASSISTANT FRANKLIN.

The Department of Anatomy provides courses adapted to the medical curriculum and offers facilities also for advanced study and research.

The courses for medical students are based upon laboratory study, supplemented by series of correlated lectures, demonstrations and recitations. Students are encouraged to learn anatomy at first hand from the living subject, from experimental evidence and from prepared material in the laboratories. Visits to clinical conferences, occasional attendance at autopsies, clinical lectures introduced into the anatomical lecture program are ways and means employed in the teaching plan. Because the several courses (gross anatomy, histology, neuroanatomy) are fundamental and, together with the other courses of the first year, introduce the beginner into the study of medicine, much thought has been given to their planning, and every effort is made to train the student in scientific method, for independence in work, and toward the development of high ideals of purpose and accomplishment.

Opportunity to pursue advanced study and investigation is provided for qualified students and graduates. Facilities for experimental work, especially in the fields of cytology and neuroanatomy, are excellent. Statistical studies of human anatomy, and research in physical anthropology, are provided for by extensive documented material.

FIRST YEAR

1. HUMAN DISSECTION. The course offers opportunity for the systematic study of the gross structure of the human body. Dissection 12 hours a week in the first trimester; 9 hours in the second and third. Lectures twice a week throughout the year. 407 hours.

(Drs. Terry, Trotter, Williams, Seib, Charles)
2. HISTOLOGY. A laboratory course occupying five mornings a week during the first trimester. There are two lectures a week and many informal discussions in the laboratories. 219 hours. (Drs. Cowdry, Scott, O'Leary)

3. NEUROLOGY. A laboratory course occupying six mornings a week during the first half of the second trimester. Three weekly lectures are devoted to topics not easily accessible to the student. 100 hours. (Drs. O'Leary, Cowdry, Scott)

THIRD YEAR

4. ANATOMICAL DEMONSTRATIONS. This course provides a review of regions and structures at the time when students are entering upon their clinical work. Demonstrations two hours a week during the second trimester. 22 hours. (Drs. Charles, Bartlett)

ELECTIVE COURSES

5. Topographical Anatomy. Laboratory study of topographical anatomy may be undertaken at any time during the year. Sections, museum preparations, and models are used as material for study. Hours to be arranged.

6. Dissection. A six-weeks' summer course in Anatomy is offered for students and physicians desiring to review the subject. Any of the following parts may be elected for study: head and neck, thorax and upper limb, abdomen and pelvis, lower limb. A fee will be charged for the course.

7. Advanced Study and Research in Gross Anatomy and Physical Anthropology. Opportunity is offered undergraduates and graduates in medicine for advanced laboratory study of selected topics. Hours to be arranged.

8. Advanced Work in Histology, Cytology, Embryology, and Neurology. A study of the literature on certain selected problems, and laboratory work, including the preparation of material for microscopic study. Hours to be arranged.

9. Research. Properly qualified students will be given opportunity to carry on investigations in the fields of histology, cytology, embryology, and neurology.

10. Graduate Courses in Anatomy. See Bulletin of The School of Graduate Studies.
BIOPHICAL CHEMISTRY

Professor Shaffer.
Assistant Professors Ethel Ronzoni Bishop, Urban.
Instructors Freiberg, Preisler, Greaves.
Assistant Berger.

First Year

3. Biological Chemistry. Lectures, recitations, conferences and laboratory work covering those portions of the subject which are of especial importance to the student of medicine. Second semester, lectures and recitations five hours, and laboratory eleven hours a week. Lectures and recitations 81 hours, laboratory 183 hours.

(Drs. Shaffer, Ronzoni Bishop, Urban, Preisler, Greaves)

Elective Courses

4. Advanced Work. Courses of laboratory work and selected reading, under guidance of a member of the staff, will be arranged to suit individual needs.

5. Research. The facilities of the department are available to students qualified to undertake investigation.

6. Journal Club. Conducted jointly by the Departments of Physiology, Pharmacology, and Biological Chemistry. Open to students who have credit in physiology or biological chemistry. Once a week throughout the year.

Physiology

Professor Erlanger.
Associate Professors H. Lester White, Gilson.
Assistant Professors Peugnet, Edgar A. Blair.
Assistant Schoepfl.

First and Second Years

2. Physiology. Lectures covering systematically the field of human physiology with experience in the laboratory, designed primarily to meet the needs of medical students. The laboratory experiments are selected with the double object of supplying a basis for the understanding of the more important physical methods employed in physiology and in clinical medicine and of elucidating certain fundamental physiological principles. As far as practicable the student serves as the subject in these experiments. Open to students who have completed or have begun the study of anatomy and biological chemistry.

(a) Lectures and recitations. Second semester of the first year and first trimester of the second year. 115 hours.

1 Effective December 1, 1940.
(b) Laboratory. First trimester of the second year. 150 hours.  
(Drs. Erlanger, White, Gilson, Peugnet, Blair)

**ELECTIVE COURSES**

4. **Demonstration Methods.** This course is designed primarily for students preparing to teach physiology, and who may desire a wider experience in experimental physiology than can be gained in Course 2. It consists mainly of experiments demonstrated in Course 2. The time and the amount of work are not limited, except that assistance must be arranged for by definite engagements.

5. **Research.** The facilities of the laboratory will be offered to qualified students for the investigation of their own problems or of problems which the department is prepared to suggest.

6. **Journal Club.** The Journal Club, conducted conjointly by the Departments of Biological Chemistry, Pharmacology, and Physiology, discusses papers of physiological interest appearing in the current journals. This course is open to properly prepared students only. Once a week throughout the year.

**BACTERIOLOGY AND IMMUNOLOGY**

**Professor Bronfenbrenner.**  
**Assistant Professors Varney, Hershey.**  
**Instructors Tsuchiya, Morris, Harford, Sulkin.**  
**Assistants Gronau, Kalmanson.**  
**Research Fellow Hervey.**  
**Student Assistants Stillerman, Love, Lawler.**

**SECOND YEAR**

1. **Bacteriology.** Lectures and Laboratory. A brief survey of General Bacteriology with a view of acquainting the students with the role of bacteria in the economy of nature and with methods of pure culture study. Special emphasis is placed on such aspects in the mutual relation between the bacteria and their environment which would bring out those basic characteristics of metabolic requirements and activities of bacteria which on the one hand may serve to identify the individual species and on the other to explain some of the effects of bacterial invasion. After a brief consideration of the mechanisms governing the mutually limiting relation of the resistance of the host and the invasiveness of the parasite, a number of more important communicable diseases, caused by viruses, bacteria, fungi, protozoa and metazoa, are studied in-
dividually with respect to epidemiology, means of laboratory
diagnosis, specific therapy and prophylaxis, and general mea-
sures of control. Fifteen hours a week during the first tri-

(Drs. Bronfenbrenner, Gronau, Harford, Hershey,
Morris, Sulkin, Tsuchiya, Varney)

2. INFECTION AND IMMUNITY. Consideration of the theories
concerning the mechanism of immunologic reactions, both
those occurring in vivo as well as those utilized for serologic
procedures of diagnosis in vitro. Antigens, specific prophy-
laxis. Antibodies, their nature, significance in resistance to
infection and as indices of past exposure. Serum therapy.
Hypersensitiveness. One lecture and three hours of laboratory
work each week during the second trimester. 44 hours.
(Drs. Bronfenbrenner, Gronau, Harford, Hershey,
Morris, Sulkin, Tsuchiya, Varney)

ELECTIVE COURSE

3. Research. The facilities of the laboratory are open to
those properly qualified for research in Bacteriology and Im-
munology. (Dr. Bronfenbrenner and Staff)

PUBLIC HEALTH

PROFESSOR BRONFENBRENNER.
ASSISTANT PROFESSOR VARNEY.
INSTRUCTOR TSUCHIYA.
LECTURERS BREDECK, WILLETT, MEYER, PHILLIPS, BOARD, BUXELL.

THIRD YEAR

1. PUBLIC HEALTH. Consideration of methods, regulatory
and educational procedures leading to prevention of diseases
and health hazards and promotion of physical and mental well-
being of the community. Heredity and eugenics, prenatal care,
infant and child hygiene, school hygiene, mental hygiene, in-
dustrial hygiene. Sanitation. Epidemiology and control of
communicable and other preventable diseases. Vital statistics.
Public Health Administration. Special health problems. 44
lectures.
(Dr. Bronfenbrenner and Staff of Extramural Lecturers)

ELECTIVE COURSE

2. Public Health Field Work. This is corollary to the basic
course as given to third year medical students. The course
consists of field trips and illustrated lectures covering public
health, industrial, administrative, and other establishments
whose activities are of interest to physicians and public health
workers, and of a health survey. The class meets on Thursday
afternoons during the first and third trimesters.

(Drs. Bredeck, Meyer, Varney, Mr. Buxell)

PATHOLOGY

Edward Mallinckrodt Professor Robert A. Moore.
Assistant Professor Margaret G. Smith.
Instructors Wheeler, Allen, W. O. Russell, Helwig, Edward
Smith.
Lecturer Pote.
Assistant W. G. Brown, Reames,1 Anschuetz, Seymour Brown,2
Byron Evans,3 Foster, McFayden, Cooper.5
Research Assistant Miller.
Visiting Fellows Friedewald,3 Gephart,4
Student Assistants Klinge, Pickett.

The Department of Pathology occupies the entire third floor
of the Clinic Building. The post-mortem rooms and amphitheatre are in a separate unit connecting with the first and
second floors of the Clinic Building. There is a well arranged
museum on the fourth floor and adequate facilities for experimental studies on the fifth floor.

Members of the department serve as pathologists to the
Barnes Hospital, the St. Louis Children's Hospital, the St.
Louis Maternity Hospital, the St. Louis County Hospital and
the Barnard Free Skin and Cancer Hospital. Systematic rec-
ords of over eight thousand cases, including protocols and
microscopic slides, are available for study.

Clinico-pathological conferences conducted with the depart-
ments of Medicine, Surgery and Pediatrics are open to inter-
ested physicians and students.

SECOND YEAR

1. PATHOLOGY. General and special pathology are covered
by lectures, gross and microscopic demonstrations and labora-
tory work. In general pathology, degenerations, inflamma-
tions, infectious diseases and tumors are considered. The dis-
eases of each organ system are studied during the time de-
voted to special pathology. Small groups are given instruction

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1 July 1 to 31, 1940.
2 July 1 to December 31, 1940.
3 July 1 to August 31, 1940.
4 September 16 to December 16, 1940.
5 Effective December 1, 1940.
in post-mortem technique, in gross pathology and in experimental pathology. Twelve hours a week in the second trimester and sixteen hours a week in the third trimester. 308 hours.  
(Drs. Moore, M. G. Smith, Helwig, Wheeler, Russell, E. Smith, Allen and Staff)  

THIRD YEAR  

3. NEUROPATHOLOGY. Lectures, demonstration and laboratory work consider the more common diseases of the nervous system. The subject matter is correlated with the lectures in Neurology 3a. One hour lecture and one hour laboratory a week in the first trimester. 22 hours.  
(Drs. Russell, Moore, Rioch)  

THIRD AND FOURTH YEARS  

4. CLINICAL AND PATHOLOGICAL CONFERENCE. The clinical history and treatment of patients who have died are discussed before the class by the physicians and surgeons of the departments concerned. These conferences afford the students an opportunity to interpret the clinical observations in the light of the post-mortem findings. One and one-half hours a week during the third and fourth years.  
(Drs. Moore, Margaret Smith, Helwig)  

ELECTIVE COURSES  

5. Major Research. The laboratory offers facilities for research in pathology. Specialists and students with adequate training who desire to extend their knowledge of pathology will be admitted.  
(Drs. Moore, Margaret Smith)  

6. Journal Club. The current journals concerned with morphological and experimental pathology and oncology are reviewed by the members of the staff. Properly prepared students may attend or participate. Once a week throughout the year.  

7. Clerkship in Pathology at Washington University. Not to exceed six students at one time may serve as clerks in the Department of Pathology. The students will assist at autopsies and prepare reports for presentation at a seminar once a week. These students will also attend the regular departmental conferences and journal club. Full time for four, six or eight weeks. All quarters.  
(Drs. Moore, M. G. Smith, Helwig, Russell, E. Smith and Staff)
8. **Minor Research.** Those students who during a preceding summer or school year have initiated a research problem in Pathology may continue the work during the elective quarter of the fourth year. Full time for eight weeks. All quarters. (Drs. Moore, Margaret Smith)

**THE EDWARD MALLINCKRODT DEPARTMENT OF PHARMACOLOGY**

Professor Carl F. Cori.
Associate Professor Helen Tredway Graham.
Research Associates Gerty T. Cori, Fourth.¹
Research Associate and Instructor Ochoa.²
Rockefeller Fellow Kalckar.
Assistant Kohl.
Research Assistant Colowick.
Student Assistants Sutherland, Krems.

**SECOND YEAR**

1. **Pharmacology.** (a) Lectures, recitations and demonstrations covering the general field of pharmacology, including toxicology, chemotherapy and prescription writing. Four hours a week during the second trimester of the second year and two hours a week during the third trimester. 66 hours.

   (b) **Laboratory Course.** A course arranged to demonstrate the chemical properties and pharmacological action of the more important drugs, and at the same time to familiarize the student with methods and processes used in experimental pharmacology. Six hours a week during the second trimester. 66 hours.

   (a) or (b) may be taken alone by special students. Pre-requisite, anatomy, biological chemistry and physiology. (Drs. Cori, Graham)

**ELECTIVE COURSES**

2. **Advanced Work.** This is arranged to suit individual needs. Opportunity is offered for the extensive study of any special group of drugs desired. In addition students may elect work in toxicology. Hours and details of the work to be arranged.

3. **Research.** The facilities of the laboratory are available to those who wish to carry on original investigation, on problems of their own or on those the department is prepared to suggest.

¹ Effective November 1, 1940.
² Effective November 10, 1940.
4. **Journal Club.** Conducted jointly by the Departments of Physiology, Biological Chemistry and Pharmacology. A discussion of papers appearing in the current journals. Open to students who have credit in physiology or biological chemistry. Once a week throughout the year.

**THE JOHN T. MILLIKEN DEPARTMENT OF MEDICINE**

(The Department of Medicine includes Internal Medicine and Dermatology.)

**Busch Professor Barr.**

**Professor Albert E. Taussig.**

**Associate Professors Elmer, Alexander, Olmsted, Luten, Larimore.**

**Assistant Professors Ewerhardt, Bulger, Lawrence, Thompson, Kountz, Jensen, MacBryde, Findley, Carl Moore, Kettelkamp.**


Instruction in medicine commences with the second trimester of the second year and continues throughout the third and fourth years of the curriculum. The teaching of the second year has two main objectives—first, the correlation of the basic sciences with the clinical aspects of disease, and secondly, training in the technical methods of physical diagnosis and clinical microscopy. By the beginning of the third year the student is prepared for supervised clinical study of individual patients in the wards. Simultaneously he receives formal instruction in the natural history of disease and in medical therapeutics. In the final year each student acts for one month as clinical clerk in the medical clinics, and for one month in the wards of Barnes Hospital.

**SECOND YEAR**

1. **Elementary Medicine.**

(a) Introductory Clinic. Observation and interpretation of the symptoms and signs of disease, with special reference

1 July 1 to December 31, 1940.
to pathological anatomy and physiology. Approximately one-sixth of the course is devoted to the discussion of psychobiology. Two hours each week during the second and third trimesters. 44 hours.  
(Drs. Barr, Whitehorn)

(b) Physical Diagnosis. Lectures, demonstrations and practical exercises in the technique of physical diagnosis. Four hours each week during the second trimester. Three hours each week during the third trimester. 77 hours.  
(Dr. Myers and Assistants)

(c) Clinical Chemistry and Microscopy. Lectures and laboratory course in methods of microscopic and chemical diagnosis. Eight hours each week during the third trimester. 88 hours.  
(Dr. Carl Moore and Assistants)

THIRD YEAR

2. (a) Supervised Study of Patients in Wards of Homer Phillips Hospital. Two to three cases are assigned to a student each week for complete study and a written report. The work is supervised by preceptors, each of whom has responsibility for one-fourth of the group. Twenty hours per week for one trimester. 220 hours.  
(Drs. Gottlieb, Barrett Taussig, Wilson, Holden, Seddon, Drake)

(b) Medical Clinics. Selected cases which have been studied by clinical clerks are presented by students and discussed before the group at Homer G. Phillips Hospital. One hour four days per week for one trimester. 44 hours.  
(Drs. Barr, Myers, Massie, Bromberg, Alexander, John Smith, MacBryde, Findley, Hageman, Carl Moore, Kenamore, Jensen)

3. Medicine. Lectures and demonstrations intended to cover the more immediate important subjects in clinical medicine. Included in this course are lectures and discussions of dietetics and of special problems in therapeutics. Two hours each week during the first and second trimesters. Three hours each week during the third trimester. 77 hours.  
(Drs. Barr, Elliott, Myers, Olmsted, Carl Moore, Hageman, Thompson, Harford, Tsuchiya, Bromberg, Luten, Strauss, Massie, John Smith, Jensen, Kountz, Goldman, Grant, Findley, Agress, Kenamore, Alexander, Eyermann, Stroud, Hansel)

4. Medical Clinics. 33 hours. (See under Fourth Year).
FOURTH YEAR

5. MEDICINE.
   (a) Clinical clerkship in Barnes Hospital. With the exception of the 8:00 o'clock clinics, the entire day is spent in the wards of Barnes Hospital. Both medical and neurological cases are assigned for complete study and report. Ward rounds and frequent informal conferences are held. Special ward rounds are held at Isolation Hospital each week. 152 hours. (Drs. Barr, Alexander, and Staff)

   (b) Clinical clerkship in Washington University Clinics. Students act as physicians in the Medical, Cardiological and Chest Clinics under the supervision of consultants. (Drs. Elliott, Strauss, Goldman, Fischel, Aitken, Sale, Carl Moore, Bulger, Koenig, Kountz, Rusk, M. Cook, Liggett, Massie, John Smith)

6. MEDICAL CLINICS. Cases which have been investigated by students working in the wards are presented before the Third and Fourth Year classes. One hour each week throughout the year. 33 hours. (Drs. Barr, Alexander, Albert Taussig)

7. THERAPEUTICS. Conferences are held on selected topics on medical therapeutics. Each subject is presented by two or more instructors. Time is allowed for general discussion. Speakers are chosen from preclinical as well as from clinical departments. One hour each week throughout the year. 33 hours.

ELECTIVE COURSES

8. Koch Hospital. Four students—All day for one month. Individual training in history, physical examination, and special examinations as they relate to the study of thoracic disease. Assignment of selected cases. Discussion and demonstration of treatment procedures. Attendance at staff conferences and Clinical Pathological conference at Koch Hospital. (Drs. Kettelkamp, Murphy)

9. City Hospital No. 1. Six students—All day for one month. An additional clinical clerkship especially valuable because of the incidence of emergency cases and of infectious disease. Assignment of selected cases. Rounds and attendance at Clinical Pathological conference at City Hospital. (Drs. Findley, Jensen)

10. Metabolism Ward. Two students—All day for one month. Rounds and assignment of selected cases in metab-
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olism ward. Attendance at Diabetic and Endocrine Clinics in Washington University Clinics and at City Hospital. Special training in basal metabolism and in tests applicable to the study of metabolic and endocrine diseases. (Dr. MacBryde)

11. Allergy. Two students—All day for one month. Attendance at Allergy Clinics. Special training in preparation of allergens, skin testing, and other tests relevant to the study of allergic states.

(Drs. Alexander, Eyerman, Stroud, Hampton)

12. Afternoon Medical Clinic. Four students—Afternoons only for one month. Routine examination of medical patients. Use of fluoroscope in general medical examination.

(Drs. Edwards, M. Cook)

13. Hematology. Two students—Mornings only for one month. Special training in supravital staining and other staining methods, platelet counts, reticulocyte counts, study of coagulation mechanism including prothrombin time, and other tests relative to the study of hematologic conditions.

(Dr. C. Moore, Miss Bierbaum)

14. Wassermann Laboratory. Two students—Mornings only for one month. Experience and training in immunological and bacteriological technic.

(Dr. Hageman, Miss Mehrten, Mrs. Bowers)

15. Blood Chemistry. Two students—Mornings only for one month. Experience and training in the conduct of special chemical procedures most used in the study of clinical medicine.

(Dr. Bulger, Mrs. Bennett)


(Drs. Kenamore, Horner, Shefts, Kelley)

17. Cardiology. Two students—All day for one month. Preceptorship in which students will accompany Dr. Jensen to his various heart clinics at City Hospital, County Hospital, and will attend and aid him in his daily work. (Dr. Jensen)

18. Gastrointestinal Diseases. Eleven lectures with x-ray and clinical demonstrations. Time and dates to be arranged.

(Dr. Larimore)


(Dr. Rusk)
DERMATOLOGY

PROFESSOR MARTIN F. ENGMAN.
ASSISTANT PROFESSOR WEISS.
INSTRUCTORS A. H. CONRAD, COLEMAN, LANE, MARTIN F. ENGMAN, JR.
ASSISTANTS ESKELES, BAGBY, MARCUS, A. H. CONRAD, JR.
MYCOLOGIST MORRIS MOORE.
RESEARCH ASSOCIATE MACCARDLE.

FOURTH YEAR

1. DERMATOLOGY. A lecture course on diseases of the skin and on syphilis. This course is a general survey of the etiology, symptomatology, pathology, and treatment of skin diseases and the history and pathology of syphilis. Third trimester. 11 hours.¹

(Dr. Engman)

ELECTIVE COURSES

2. Clinical examination of numerous dermatological cases with opportunity for instruction in their diagnosis, pathology and treatment. Examination of biopsy specimens. Training in the use of various physical agents such as electro-coagulation, X-ray and radium in the treatment of malignant and non-malignant skin affections.

Mondays, Tuesdays, Wednesdays and Fridays—1:30 to 4:30 p. m.—The Barnard Free Skin and Cancer Hospital.

Thursdays—2:00 to 4:00 p. m.—Skin Clinic, Washington University Clinics.

(Dr. Engman and Staff)

NEUROPSYCHIATRY

PROFESSORS RIOCH, JACOBSEN, WHITEHORN, SCHWAR.
ASSOCIATE PROFESSOR FELIX DEUTSCH.
ASSISTANT PROFESSORS A. B. JONES, CARR, SATTERFIELD, TUREEN.
INSTRUCTORS KUBITSCHER, BELL, GITT, MAUGHS, FINGERT, LEVY.
ASSISTANTS KENDALL, BUSCH.
RESEARCH FELLOWS BUCHMUELLER, NADELL, MIKSICEK.
STUDENT ASSISTANTS REESE, MCQUEEN, GOTTSCALK.

Instruction in the Department of Neuropsychiatry is given in all four years of the medical course. In the first semester a course is given on the structure of the personality, with particular emphasis on the development of attitudes. Other lectures and demonstrations in the first and second years are designed to correlate clinical neurology with neuroanatomy and neurophysiology, laying special emphasis upon the integration of organic functions through neural mechanisms and

¹ Not offered in 1940-41.
the encephalization and corticalization of personality functions.

In the second year, in correlation with medical and surgical instruction in physical examination and history-taking, elementary instruction is given in the technique and rationale of neurological and psychiatric examination, including anxieties and interpersonal relationships as medical data, with special emphasis upon the influence of personal life experience in determining or modifying reactions to disease.

Members of the Department of Neuropsychiatry participate in the instruction in Neuropathology in the Department of Pathology during the third trimester.

Clinical clerkships in the third year bring the individual student directly into interviews with patients showing marked personality disorders. Clinical personality studies are also made of patients on the medical and neurological wards. Special exercises are arranged for the study of interviewing and of interpersonal reactions. Frequent conferences are held for criticism and discussion of interview technique and of working formulations.

Instruction in neurology in the third year is divided into three parts. 1. A systematic presentation in lectures and demonstrations of affections of the nervous system classified on the basis of etiology. This is combined with the course in neuropathology with lectures and laboratory exercises based on the study of gross and microscopical preparations. 2. Lectures with demonstrations on the semiology of affections of the nervous system. 3. Bedside instruction in the technique and interpretation of the neurological examination is given in the form of clinical clerkships on the wards of St. Louis City Hospital. In the fourth year the commoner neurological diseases are presented at the 8 o'clock clinics. Emphasis is laid on the biology of the disease and on the rationale of therapy. The students participate under supervision in the diagnosis and treatment of assigned patients on the Neuropsychiatric ward at the Homer Phillips Hospital.

FIRST YEAR

1. NEUROPSYCHIATRY.

INTRODUCTION TO MEDICAL PSYCHOLOGY. Lectures, essays and personal discussions concerning the development of human attitudes and emotional reactions affecting the study and practice of medicine. One hour a week for 12 weeks. 12 hours.
INTEGRATIVE NEUROANATOMY AND NEUROPHYSIOLOGY. A series of lectures, demonstrations and clinics concerning integrated functions of the organism, given as part of Anatomy 3 and Physiology 2. The purpose of this series is to correlate laboratory investigations of the nervous system with clinical problems. Approximately 8 hours in first and second years. (Drs. Jacobsen, Whitehorn, Rioch and Assistants)

SECOND YEAR

2. MEDICAL PSYCHOLOGY. Presentation and discussion of clinical case studies to illustrate the influence of personality functions in determining or modifying illness, with special emphasis upon anxiety and security in interpersonal relationships. Elementary consideration of the interview as a method for the study and treatment of unhealthy attitudes. 11 hours. (Dr. Whitehorn)

2. NEUROLOGY, NEUROLOGICAL EXAMINATION IN PHYSICAL DIAGNOSIS. (Part of Medicine 1(b).) Lectures, demonstrations and exercises in the neurological examination of the patient. 6 hours. (Drs. Jones and Rioch in conjunction with Dr. Barr and Assistants)

THIRD YEAR

3. PSYCHIATRY.

(a) ADVANCED MEDICAL PSYCHOLOGY IN RELATION TO CLINICAL PSYCHIATRY. Lectures, reading, case studies and discussions concerning psychodynamic principles involved in personality disorders (psychoses and neuroses) and their treatment. This course, in combination with the clinical clerkship, is aimed at helping those students who are to be in general medical practice to assimilate with their own knowledge of human nature some of the more fundamental modern concepts and techniques useful in influencing personality functioning. One and one-half hours a week for the first and third trimesters. 33 hours. (Drs. Whitehorn, Deutsch)

(b) CLINICAL CLERKSHIP. One-ninth of the third year class serve a combined neuropsychiatric clinical clerkship of three to four weeks in the neurological wards of the St. Louis City Hospital, in the Bliss Institute, and in other available services, under the close supervision and guidance of resident and visiting staff members through frequent conferences for criticism and discussion of interview technique and working formula-
tions. Clinical personality studies are made on both psychotic and non-psychotic patients. 32 hours.

(Drs. Miksicek, Whitehorn, Deutsch, Satterfield)

3. NEUROLOGY.

(a) CLINICAL NEUROLOGY. Lectures, with demonstrations, on diseases affecting the nervous system. The first half of the course is given in conjunction with Neuropathology 3(b) and emphasis is laid on the biology of the disease and the rationale of therapy. The last half of the course is devoted to the semiology of affections of the nervous system. One hour a week, first and second trimesters. 22 hours.

(Drs. Rioch, Jacobsen)

(b) NEUROPATHOLOGY. (See Pathology 3 for description). This course is given in conjunction with the course in Clinical Neurology 3(a). Two hours a week, first trimester. 22 hours. (Drs. Russell, R. A. Moore, Rioch and Assistants)

(c) CLINICAL CLERKSHIPS. Clinical clerkships on wards of the St. Louis City Hospital. Students participate under supervision in the examination and treatment of patients. Emphasis is laid on the technique and interpretation of history-taking and the neurological physical examination. 23 hours.

(Drs. Levy, Rioch)

FOURTH YEAR

4. PSYCHIATRY.

(a) PSYCHIATRIC CLINIC. An exercise every other week throughout the year, alternating with the Neurological Clinic (Neurology 4(a)). Illustrative cases at the Barnes Hospital wards and the University Clinics (sometimes at the Bliss Institute) are presented and discussed with special reference to psychiatric principles important in general practice. One hour every two weeks throughout the year. 17 hours.

(Drs. Whitehorn, Deutsch, Jacobsen)

(b) CLINICAL CLERKSHIP. During the year 1940-41 one-eighth of the fourth year class work two afternoons a week for one month at the City Sanitarium with assigned patients showing advanced personality disorders. Criticism and discussion of methods of personality study and formulation are conducted in frequent group conferences. 18 hours.

(Drs. Busch, Jones)

4. PSYCHOSOMATIC MEDICINE. (Part of Medicine 5(a).) Practical participation in the clinical study and discussion of
emotional factors in organic disease. Barnes Hospital wards. One and one-half hours a week throughout the year for one-eighth of the fourth year class, changing each month. 6 hours. (Dr. Deutsch)

4. NEUROLOGY.

(a) NEUROLOGICAL CLINIC. An exercise every other week throughout the year, alternating with the Psychiatric Clinic (Psychiatry 4(a)). The more important neurological diseases and syndromes are presented and discussed with illustrative cases from the Barnes Hospital and St. Louis City Hospital wards. In the discussion attention is directed to the present status of laboratory as well as clinical investigation bearing on the condition under consideration. One hour every two weeks throughout the year. 16 hours. (Drs. Rioch, Schwab, Jones, Carr, Levy)

(b) CLINICAL CLERKSHIPS. During the year 1940-41 one-eighth of the class spends three afternoons a week for one month on the Neuropsychiatric ward of the Homer Phillips Hospital. Assigned patients are studied by the students and are discussed on the ward rounds and in conferences. 36 hours. (Drs. Tureen, Rioch, Fingert)

(c) WARD ROUNDS. Once a week ward rounds are conducted on neurological cases in the Barnes Hospital wards with the medical group. One hour a week for one quarter. 8 hours. (Dr. Schwab)

ELECTIVE COURSES

5. Neurological Clinical Clerkship at the City Hospitals. Four students each—mornings or afternoons at City Hospital #1. Students act as externes. Instruction is given in the technique and interpretation of the more specialized procedures of neurological examination and treatment, including air- and electro-encephalography, lumbar puncture, perimetry, etc. (Drs. Rioch, Jones, Levy and Assistants)

6. Psychiatric Clinical Clerkship at the Bliss Institute. Two students, morning and afternoon for one month. Types of patients may be selected to meet special interests of individual student. (Drs. Whitehorn, Fingert, Tureen, Gitt, Miksicek)

7. Psychiatry. Two students, morning and afternoon for two months. In addition to clinical work the student should carry through, in cooperation with the instructors, a planned
program of special reading, experimentation or field work in basic psychological, sociological or medical sciences.

(Drs. Whitehorn, Jacobsen and Assistants)

8. Neuropsychiatric Clerkships in the University Clinics.
Two students, mornings, for two or four weeks.

(Dr. Schwab and Assistants)

9. Research in Neurology, Neuropathology, Psychology and Psychiatry. Facilities are available for qualified students to undertake original research in the laboratories of the department or in the clinics or wards.

10. Staff conferences. Students are invited to attend certain of the psychiatric and neurological staff conferences. These are as follows: a psychiatric staff conference held weekly at the Bliss Institute; neurological staff conferences held weekly, alternating on successive weeks, at the St. Louis City Hospital and the Homer Phillips Hospital; conferences of the neuropsychiatric and neurosurgical staffs held weekly at Barnes Hospital.

THE MARY CULVER DEPARTMENT OF SURGERY
(The Department of Surgery includes General Surgery, Orthopedic Surgery, Neurological Surgery, and Genitourinary Surgery.)

Bixby Professor Evarts A. Graham.
Professors Sachs, Seelig, Vilray P. Blair, Clopton, Key, Dalton K. Rose.
Associate Professors Copher, Elman, Heinbecker, J. Barrett Brown, Womack, Furlow.

Fellows Hofstatter, Burford, Smolik, Bruneau, Mitchell, Meikowsky, Aguilar.

The instruction in the Department of Surgery begins with an introduction to surgical principles at the end of the second

1 Resigned September 26, 1940.
2 Effective September 1, 1940.
3 Effective October 1, 1940.
4 Effective December 1, 1940.
5 Effective January 1, 1941.
year. These surgical principles for the most part are derived from fundamental concepts in the preclinical sciences which have been occupying the student since the beginning of his freshman year. Although in this course a few patients are used for the demonstration of lesions which illustrate the principles of surgery, it is really in the junior year that the first actual contact with patients occurs. Each student then is assigned to a clinical clerkship in the hospital wards and in that way is given an opportunity to study the more common and important kinds of surgical diseases. In the junior year five and one-half weeks (one-half trimester) are spent in the clinical clerkship in the Barnes and St. Louis Children's Hospitals which immediately adjoin the Medical School, and the same length of time at City Hospital No. 1 which is about two and one-half miles away. This division of time has been arranged in order that advantage may be taken of the large amount of traumatic material at the City Hospital. The clinical clerks become familiar with other cases than their own through the daily ward conferences. They are offered the opportunity of seeing all operations and they are encouraged to participate as assistants in practically all of the operations performed upon their patients to whom they have acted as clerks. Although each student will have for personal study a few cases representing the various specialties of surgery the principal instruction is concentrated upon general surgery, especially that sort of case which the general practitioner frequently encounters. Special instruction in history writing, in the examination of the patient and in various diagnostic and therapeutic techniques is given to small groups by the resident and assistant resident house officers. These small groups are in the nature of tutorial classes.

During the junior year also a systematic survey of clinical general surgery is given in a conference and recitation course in which the class is divided into two sections in order to provide a more personal contact between the instructor and the students. There is likewise a separate course devoted to a systematic review of fractures and traumatic surgery.

Surgical pathology, formerly given in the junior year, has been changed to a senior year course. During the year 1940-41 therefore this course is not being offered, since the present senior class had the work in 1939-40.

In the senior year the student works in the outpatient department. He also spends a part of his time at the Homer
Phillips Hospital. In the ward work during this year particular attention is paid to the study of patients with acute abdominal disease, fractures and other kinds of traumatic surgery. Intensive instruction in malignant disease is given at the tumor clinic which the senior students attend two hours daily for four weeks.

SECOND YEAR

1. INTRODUCTION TO SURGERY. A laboratory, demonstration and lecture course in which are studied certain fundamental processes of physiology, chemistry and pathology as applied to surgery. The course includes the demonstration of patients illustrating various points under discussion. Four hours weekly during the third trimester. 44 hours.
   (Dr. Heinbecker)

THIRD YEAR

2. SURGICAL RECITATIONS. A weekly discussion during the first and second trimesters on assigned surgical reading. The principles of surgery and many of the more common surgical conditions are considered. Standard textbooks and selected articles from the recent literature are freely consulted. The class is divided into two sections for this course. 22 hours.
   (Drs. Elman, Heinbecker)

3. FRACTURES. Demonstrations, conferences and lectures on the more common fractures. This systematic presentation of the subject is in addition to the extensive clinical experience in fractures offered in the wards of the City Hospital. One hour weekly during the third trimester. 11 hours.
   (Drs. Key, Copher)

4. SURGICAL CLINIC. A weekly clinic throughout three trimesters. See course 7. 33 hours.
   (Dr. Graham)

5. SURGICAL CONFERENCE. The utilization of physical examination in the diagnosis and interpretation of some of the more common surgical diseases and their underlying nature, illustrated by patients, are discussed. A weekly exercise during three trimesters. 33 hours.
   (Dr. Sachs)

6. SURGICAL WARDS. For one trimester the student serves as an assistant in the surgical wards. Half of the surgical group is at the St. Louis City Hospital for a period of five weeks while the other half is at the Barnes and St. Louis Children's Hospitals. From 10 to 11 a. m. conferences on selected patients are held. General and special surgical cases
are discussed by members of the staff. Following this conference the students spend the remainder of the day in the wards of the hospitals. The students take the case histories and make physical examinations and the usual laboratory examinations. They assist at some of the operations and do some of the surgical dressings. The students also attend autopsies performed on the cases studied by them and are required to be present at the weekly pathological conference at which these cases are discussed. The student is encouraged to consult the library frequently in the solution of problems concerning his patients. From 3 to 4 p.m. the resident and assistant residents meet the students in an informal conference at which time various questions that have arisen during the day are discussed and various aspects of the care of the patient considered. Particular effort is made to see that the student comes in contact with the more frequent and important surgical lesions and that the cases assigned him are sufficiently diversified to afford him an accurate perspective of surgery. 260 hours.

(Various members of the staff)

FOURTH YEAR

7. SURGICAL CLINIC. A weekly exercise throughout four quarters. Patients presenting the more usual general surgical conditions are demonstrated and their diagnostic and therapeutic problems are discussed. Students of the third year also attend this clinic. 32 hours. (Dr. Graham)

8. ORTHOPEDICS. Groups of six students are assigned to work in the Orthopedic Outclinic four mornings a week for two weeks. In addition, the entire group of twelve students attends a conference in orthopedic surgery at the Shriners’ Hospital for Crippled Children two hours a week for four weeks. 20 hours. (Drs. Key, Crego and Staff)

9. GENITOURINARY OUTCLINIC. Groups of six students attend the Genitourinary Outclinic two hours a day, four days a week, for two weeks. 16 hours. (Dr. Rose and Staff)

10. PROCTOLOGY. Demonstration of various lesions about the rectum and anus are given in the Outpatient Department to groups of six students. 4 hours. (Dr. Rainey)

11. NEUROSURGERY OUTCLINIC. Groups of six students attend the Neurosurgical Outclinic where patients with ambulatory neurosurgery conditions are demonstrated. 4 hours. (Dr. Furlow)
12. **TUMOR CLINIC.** Groups of twelve students attend the Tumor Clinic daily for four weeks from 11 until 1 o’clock. The clinic is so arranged that the students see patients with the more common types of cancer. Methods of diagnosis, the fundamentals underlying treatment and the pathology of the condition are discussed. Particular consideration is given to various types of radiation therapy. 48 hours.

13. **WARD WORK.** Twelve students are assigned to the Homer Phillips Hospital (the city hospital for negroes) for four weeks. From 9:30 to 10:30 a.m. clinical conferences are held at which time patients are demonstrated to the group by the student to whom the patient was assigned with discussion by the attending surgeon. Students are assigned patients of whom they take histories and do physical examinations as well as the usual laboratory examinations. The students are permitted to assist at some of the operations and do some of the surgical dressings. Particular attention is paid to acute abdominal diseases, traumatic surgery and fractures. From 3 to 4 p.m. informal conferences are held with the students in order that questions that have arisen during the day may be considered. 148 hours.

(Drs. Elman, Probstein, Robert Bartlett, Gruenfeld)

**ELECTIVE COURSES**

14. **Neurosurgery.** Eight lectures in the second quarter of the fourth year. The lectures comprise a review of the anatomy and physiology of the nervous system as applied to neurosurgery and a discussion of the principal conditions encountered in this field. (Drs. Sachs, Furlow and Staff)

15. **Postoperative Care.** Eight lectures and demonstrations in the fourth quarter of the fourth year. Both the normal and complicated postoperative developments are discussed. (Dr. Allen)

16. **Surgical Pathology.** Two students full time for six or eight weeks, all quarters. The elective will consist of a correlation of the clinical records of hospital patients with the pathological findings. Time will be devoted to current surgical journals as related to surgical pathology as well as a brief review of pathological techniques. (Dr. Womack)

17. **Washington University Clinics.** General surgery, six or eight weeks for four students, mornings or afternoons. The students will serve as clerks to outpatients the time being
spent in the study and care of the patients with special attention to minor surgical procedures.

18. Research in Surgery. Six or eight weeks full time. This elective is for those students who have been carrying on surgical research in their spare time the previous year and who wish to devote their entire time toward the completion of their problem. (Dr. Graham)

19. State Cancer Hospital. Two students to serve as clinical clerks at the State Cancer Hospital, Columbia, Missouri, full time, eight weeks. The duties assigned the student will be the routine duties required of any clinical clerk consisting of both in and outpatient work, particularly related to tumors. Application must be made directly to the State Cancer Commission. (Dr. Bricker)

20. Anesthesia. Eight weeks, full time. Since the surgical operative schedules begin early each morning the hour to report will be 7 o’clock. This will enable the student to inspect and test mechanical equipment prior to its use. The student will be assigned to certain nights on call duty with the supervisor to take emergency cases which arise. The course embraces a special training in the practical administration of anesthetics by approved modern techniques, this instruction taking place daily, except Sundays, during the weekly schedules in which the student participates in the operating room. The theoretical aspects are covered by specific periods of class room instruction followed by examination at stated intervals. The administration of ether, nitrous oxide-oxygen, ethylene, cyclopropane and basal anesthetics is taught and practiced. (Miss Lamb)

RADIOLOGY

PROFESSOR SHERWOOD MOORE.
CONSULTING PHYSICIST HUGHES.
ASSOCIATE PROFESSOR LARIMORE.
PHYSICIST THORNTON.
ASSISTANT PROFESSOR WENDELL SCOTT.
INSTRUCTORS ZINK, ARNESON.
ASSISTANT PHYSICIST LANGSDORF.
ASSISTANTS THOMAS RUSSELL, LIONBERGER.

Instruction in the applications of radiology in the diagnosis and treatment of disease is given very largely in collaboration with the several clinical departments.

FOURTH YEAR

TUMOR CLINIC. (See Surgery 12 for description). Two hours a day for four weeks. 48 hours.
ELECTIVE COURSE

Clerkship in Radiology. Not to exceed two students at one time may act as externes in the Department of Radiology. They will participate in all activities. Full time for four or eight weeks. All quarters.

OTOLARYNGOLOGY

PROFESSORS WALSH, BUNCH, PROETZ.
ASSOCIATE PROFESSOR LYMAN.
ASSISTANT PROFESSORS ARBUCKLE, ALDEN, KELLEY, HANSEL, HOURN, McMAHON, BIRSNER, COSTEN, WOLFF, CONE, GLICK.
INSTRUCTORS VOTAW, BOEMER.
ASSISTANTS HANSON, FREIMUTH, GAGE, POTTER, SCHERRER, STUTZMAN, GUERDAN HARDY, LINTON,¹ L. W. DEAN, JR., SMIT, SENTURIA, WILLIAM T. K. BRYAN, MOUNTJOY.

SECOND YEAR

OTOLARYNGOLOGIC AND PHYSICAL DIAGNOSIS. The class is divided into small groups with individual instructors for a total of six hours for instruction in the methods of Otolaryngological diagnosis and the use of instruments peculiar to this field.

(Drs. Walsh, Dean, Jr., Votaw, Hardy, Smit, Mountjoy)

THIRD YEAR

1. OTOLOGY, RHINOLOGY AND LARYNGOLOGY. Eleven lecture hours given during the third trimester.

(Drs. Walsh, Proetz, Lyman)

FOURTH YEAR

2. OTOLARYNGOLOGY. Clinical instruction is given to sections of six for twelve and one-half hours a week for two weeks. 25 hours. (Drs. Walsh, Lyman, Gage, Votaw, Hardy, Smit)

ELECTIVE COURSES

3. Clerkship in Otolaryngology. Two students may serve as externes in the clinics for four or eight weeks. Permission of the Head of the Department is necessary before registration for this elective. Full time. (Dr. Walsh and Staff)

4. Otolaryngologic Pathology. One student may serve as a volunteer in the laboratory. Eight weeks. Full time. (Dr. Wolff)

¹ Resigned October 31, 1940.
OPHTHALMOLOGY

PROFESSORS LAWRENCE T. POST, SHAHAN, WIENER.
ASSOCIATE PROFESSORS WILLIAM F. HARDY, JULIANELLE, WOODRUFF, M. HAYWARD POST.
ASSISTANT PROFESSORS JACOBS, SCHWARTZ, LAMB, B. Y. ALVIS, JAMES.
INSTRUCTORS HILDRETH, BEISBARTH, LANGE, CRAWFORD, SANDERS, CALHOUN, WORKMAN,¹ MEINBERG.
LECTURER MASON.
ASSISTANTS E. B. ALVIS, ROSENBAUM, JAMES H. BRYAN, HOW, HANSEER, GEESMAN, BOOTS.

SECOND YEAR

OPHTHALMOSCOPY. Lectures and demonstrations are given as a part of the course in Physical Diagnosis. 6 hours. (See Medicine 1b).

(Drs. Lawrence Post, M. H. Post, Beisbarth)

THIRD YEAR

1. OPHTHALMOLOGY. One lecture a week is given in the third trimester. 11 hours. (Dr. Wiener)

FOURTH YEAR

2. CLINICAL OPHTHALMOLOGY. Instruction in diagnosis and treatment of eye diseases is given to small sections of the class. Ten hours a week for two weeks. 20 hours.

(Drs. Lawrence Post, M. H. Post, Schwartz, B. Y. Alvis, Beisbarth, Calhoun, Workman, E. B. Alvis)

ELECTIVE COURSE

3. Clerkship in the Clinics. Two students may assist in the clinics. (a) Mornings, devoted to refraction, measurement of visual field and study of special cases. (b) Afternoons, devoted to the more common diseases of the eye. One, or both for four or eight weeks.

OBSTETRICS AND GYNECOLOGY

PROFESSORS WILLARD M. ALLEN, OTTO H. SCHWARTZ, FREDERICK J. TAUSIG, ROYSTON, NEWELL,² T. KENNETH BROWN.
ASSISTANT PROFESSORS McNALLEY, O’KEEFE, PADDOCK, KREBS, ROBERT J. CROSSEN, HOBBS.
INSTRUCTORS SCHLOSSSTEIN, DRABKIN, WEGNER, LIESE, DUDLEY R. SMITH, SOULE, ARNESON, ROBLEE, MERRIN.
ASSISTANTS CANEPA, MYRON W. DAVIS, ARZT, SCRIVNER, O’NEILL, STEWART, KLEINE, PATTON, WULFF, MAX, WASSERMAN, GIBSON, BORTNICK, WILLIS H. HAYWARD, SEEGER, HUTTO, ATWELL, CARTER, NOLAN, ROTHMAN.
RESEARCH ASSISTANTS VIERGIVER, SAMUEL J. HAYWARD.

Students are given practical instruction in obstetrics and gynecology in the St. Louis Maternity Hospital, the Barnes

¹ Resigned December 31, 1940.
² Deceased, November 4, 1940.
Hospital, the University Clinics, the Homer G. Phillips Hospital and the St. Louis City Hospital. The St. Louis Maternity Hospital provides approximately 900 confinements, the St. Louis City Hospital, 600, the Homer G. Phillips Hospital, 700, and the home delivery service of the University Clinics, 175, annually. On the gynecological divisions there are approximately 400 admissions annually in the Barnes Hospital, 500 in the St. Louis City Hospital and 450 in the Homer G. Phillips Hospital which are available for teaching purposes. Instruction in the care of ambulatory patients is carried out in the University Clinics where about 1,000 new patients are seen and 9,000 follow up visits are made annually.

THIRD YEAR

1. LECTURES IN OBSTETRICS AND GYNECOLOGY. Entire class once weekly throughout the year. 33 hours.  
   (Drs. Allen, Schwarz, Brown, Wegner, Hobbs)

2. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY. Entire class. One two hour session weekly for one trimester. 22 hours.  
   (Dr. Hobbs and Staff)

3. CLINICAL CLERKSHIPS. Students serve on the wards of the St. Louis Maternity Hospital, Barnes Hospital and the St. Louis City Hospital. A group, composed of two ninths of the class, spends two ninths of the year in the Department. One-half of the group works at the St. Louis Maternity and Barnes Hospitals, and the other half at the St. Louis City Hospital, the subgroups changing in the middle of the period. The clerkship includes work on both gynecological and obstetrical wards. The clerks become an integral part of the organization and assume specific duties and responsibilities. They assist in the delivery rooms and small groups attend the University Clinics for special instruction in pelvic examination, abdominal palpation and pelvic measurement. Rounds are conducted at 10:10 a. m., five times weekly for the group at the St. Louis Maternity and Barnes Hospitals and at 10:30 a. m., four times weekly for the group at the St. Louis City Hospital. 154 hours.  
   (Dr. Allen and Staff)

FOURTH YEAR

4. CLINICS AND LECTURES. Entire class once weekly throughout the year. 33 hours.  
   (Dr. Allen and Staff)
5. **CLINICAL CLERKSHIPS.** One sixteenth of the class serves as clinical clerks in the University Clinics for a period of two weeks. During this period they spend the day from 9:00 to 12:00 and 1:00 to 4:00. New patients are assigned and after complete history and physical examination has been made each case is reviewed with the student by a member of the staff. Old patients are also seen frequently and ample opportunity is provided for examination of prenatal patients. Students also attend special clinics which are held concurrently with the regular clinic. 66 hours.

6. **OBSTETRICAL SERVICE.** A second group of one sixteenth of the class spends two weeks on obstetrical call. During this period they reside in the hospital, some at the St. Louis Maternity Hospital and others at the St. Louis City Hospital, and attend under supervision a number of women during labor. In some instances they will attend labor conducted in the home.

7. **TUMOR CLINIC.** Instruction in the diagnosis and treatment of neoplastic disease is given two hours once weekly in the tumor clinic for a period of four weeks. This is conducted jointly with the Department of Radiology and the use of radium and deep X-ray therapy in these conditions is demonstrated. Students have the opportunity of seeing several patients, before, during and after treatment. This is given to the group in surgery. 8 hours.

**ELECTIVE COURSES**

8. **Gynecological Pathology.** Two students may serve as assistants in the laboratory of the St. Louis Maternity Hospital and participate in the routine. Four weeks. Full time. All quarters.

9. **University Clinics.** Two students, all day for two or four weeks.
THE EDWARD MALLINCKRODT DEPARTMENT OF PEDIATRICS

PROFESSORS HARTMANN, Cooke, Veeder.
ASSOCIATE PROFESSORS THEODORE C. HEMPELMANN, McCulloch.
INSTRUCTORS BLEYER, PARK J. WHITE, ZENTAY, KUBITSCHER, RUPE, BAIN, LAWRENCE GOLDMAN, ROHLFING, MAX DEUTCH, F. A. JACOBS, STANLEY HAREISON, JAUDON, LONDE, BLATTNER.
ASSISTANTS LONSWAY, BAUER, AFF, JONES, WACHTER, SCHWARTZMAN, BARNETT, CARSON.
RESEARCH FELLOWS ANDERSON, GARDNER, MEEKER, PFEIFFENBERGER.
DENTISTS MARTIN, HARRIS.
STUDENT ASSISTANT ERGANIAN.

The instruction during the third year is designed to introduce the subject of pediatrics to the student by a systematic course of lectures emphasizing particularly normal growth and development, infant nutrition and feeding, acute infectious diseases, and serious disturbances in water and mineral metabolism.

During the fourth year the emphasis is placed on the physical findings of disease and the student is brought into close contact with the patient in the wards of the St. Louis Children's Hospital, and by frequent clinical conferences of the staffs.

THIRD YEAR

1. PEDIATRICS. A systematic lecture course in general pediatrics, including occasional clinical demonstrations. Two hours a week for two trimesters and one hour a week for one trimester. 55 hours. (Drs. Hartmann, Cooke)

FOURTH YEAR

2. PEDIATRIC CLINIC. Weekly amphitheatre demonstrations and discussions of selected cases from the hospital, for the whole class. 32 hours. (Drs. Hartmann, Cooke, Veeder, McCulloch, Bleyer, Blattner, Jaundon)

3. CLINICAL AND PATHOLOGICAL CONFERENCES. See Pathology 4. Approximately one-half of the course is devoted to pediatric cases.

4. CLINICAL CLERKSHIPS. For essentially the entire day, beginning at 9:00 a.m., one-eighth of the class works as clinical clerks for four weeks. This work consists of the following:

(1) daily early morning ward rounds with the house staff;

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2 Resigned September 1, 1940.
3 Resigned December 31, 1940.
4 July 1 to October 31, 1940.
5 Effective December 1, 1940.
(2) work on assigned cases, which may be interrupted for special demonstrations; (3) daily conferences with members of the teaching staff, during which the more important pediatric subjects are stressed; (4) general staff rounds twice weekly, during which students present selected cases which are then discussed by the staff; (5) work in the Outpatient Department of the University Clinics, including the general pediatric clinic and such special clinics as the well-baby clinic and the luetic clinic; (6) work in special metabolic clinic conducted in the hospital proper on Saturday morning; (7) ward rounds at the St. Louis City Isolation Hospital, the Homer G. Phillips Hospital, and the convalescent department of the St. Louis Children’s Hospital, Ridge Farm; (8) special instruction in technic of nose, throat and ear examinations in infants and children by members of the Department of Otolaryngology; (9) special demonstrations in common nursing procedures, which include the preparation of artificial formulae.

(Drs. Hartmann, Cooke, Blattner, Jaudon, Zentay, Kubitschek, Harrison, Wachter and Staff)

ELECTIVE COURSES

5. Clerkship at Children’s Hospital. Two students, full time, four, six or eight weeks.

6. Clerkship at City Hospital. Two students, full time, four, six or eight weeks.

7. Research. Properly qualified students may engage in clinical or laboratory research under the direction of the pediatric staff. Hours by arrangement.

8. Advanced Work. The facilities of the department are available to qualified students who desire to do additional or advanced work in the St. Louis Children’s Hospital, St. Louis Isolation Hospital, Child Guidance Clinic, the Pediatric Clinic or in the laboratories of the department. Hours to be arranged.

MILITARY SCIENCE AND TACTICS

EARL H. PERRY, M.D., Lieutenant Colonel, M. C., U. S. A.  
Assistant Professor of Military Science and Tactics

A Medical Unit of the Reserve Officers’ Training Corps is maintained. An officer of the Medical Corps of the Regular Army is detailed to the School as instructor. Classes are a part of the regular schedule. The work is divided as follows:
(1) Basic Course—first and second years.
(2) Advanced Course—third and fourth years.
(a) Summer Training Camp—six weeks.

Enrollment in both the Basic and Advanced Courses is optional and does not obligate the student to any military duty except to complete the section of the course undertaken. The Summer Camp is part of the Advanced Course. It may be attended after the second or the third year.

Satisfactory completion of the Basic Course is required for enrollment in the Advanced Course. Certain credits may be allowed for work done in R. O. T. C. Units elsewhere.

Students enrolled in the Advanced Course receive "Commutation of Subsistence," at the rate prescribed by law, throughout the full two year period except during the camp period when they are housed, clothed, fed and receive the pay of the lowest grade of the Army.

Upon completion of the course the student will be presented, at graduation, with his choice of a commission as a First Lieutenant, Medical Section, Officers' Reserve Corps, or with a certificate of eligibility for such commission.

MISCELLANEOUS COURSES

MEDICAL JURISPRUDENCE. A course given in the fourth year embracing medical evidence and testimony; expert testimony; dying declarations; rights of medical witnesses; establishing identity from living and dead bodies; sudden death from natural causes and by violence; criminal acts determined by medical knowledge; the legal relation of physician to patients and the public; insanity, and malpractice. 11 hours. (This course was given to the third year class in 1939-40. It will not be offered in 1940-41.)

(Mr. Crowdus)

ELECTIVE COURSE

Professional Conduct and Medical Economics. An elective course in which the following subjects are discussed: the young physician and his problems; group medicine and specialization; ethical relations between physicians; organized medicine; birth control; quackery, fads, and cults; medical finance; industrial and contract practice; "systems" of practice in other countries; health insurance plans. 8 hours.

(Dr. Park J. White)
POST-GRADUATE COURSES

Courses in the following subjects are offered to a limited number of qualified graduates in medicine:

OBSTETRICS AND GYNECOLOGY

A four-weeks' course in obstetrics and diagnostic gynecology is offered once each year, beginning in May. The course is designed for those doing general practice, and its object is to provide a thorough grounding in the modern practice of obstetrics and gynecology. For those desiring to enter upon the practice of obstetrics and gynecology as a specialty, the course will furnish a sound basis for further work in this field.

OPHTHALMOLOGY

An eight-months' course in ophthalmology is offered each year beginning in October. The purpose of the course is to provide a good foundation in ophthalmology on which the student can build further, preferably by ophthalmic internships or by study while engaging in practice. Approximately one-fifth of the time is spent in the study of the fundamental sciences as they pertain to ophthalmology.

OTOLARYNGOLOGY

An eight-months' course in otolaryngology is offered each year beginning in September.

The purpose of the course is to prepare the student for a residency in otolaryngology or for work with a preceptor. The curriculum is not arranged with the thought of making him a finished otolaryngologist. It is prepared so as to build a firm foundation for his development as a clinician. The instruction is not confined to the basic sciences. Those subjects are included in the curriculum which will best prepare him for his work as an interne.

The theory and practice of otolaryngology are studied; operative surgery and bronchoscopy are taught in the dead house and on animals. Particular attention is given to the methods of examination of patients and to diagnosis. The problems of defects and the management of the deaf child are emphasized.

PEDIATRICS

A four-weeks' course in pediatrics is offered once each year, beginning in September. The object of the course is to give
practitioners a thorough grounding in the modern practice of pediatrics. The course is suitable for those doing general practice and for those specializing in pediatrics. For those desiring to enter the practice of pediatrics as a specialty, the course is designed to furnish a basis for further work.

ANATOMY

Dissection. A six-weeks’ summer course in anatomy is offered for physicians desiring to review the subject. Any of the following parts may be elected for study: head and neck, thorax and upper limb, abdomen and pelvis, lower limb.

Pamphlets giving further information about these courses may be obtained on application to the Registrar of the School.
## GENERAL SCHEDULES

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

Schedule of First Year. September 25 - December 20, inclusive

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## WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

Schedule of First Year. February 9 - June 5, inclusive

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## WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

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* Clerkships take precedence over clinical and pathological conferences.
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

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* Clerkships take precedence over clinical and pathological conferences.
WASHINGTN UNIVERSITY SCHOOL OF MEDICINE
Fourth Year. Medical Quarter

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<th>HOURS</th>
<th>MONDAY</th>
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Lectures

* Clerkships take precedence over the clinical and pathological conference.
** Three hours a week for four weeks will be devoted to diagnostic radiology.

Note: Sections change at the middle of the quarter.
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
Fourth Year. Surgical Quarter

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**Surgery**
Section I—4 weeks—W. U. Clinics (General Surgery)
Section II—4 weeks—9 to 11—W. U. Specialty Clinics; 11 to 1—Tumor Clinic

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* Clerkships take precedence over the clinical and pathological conference.

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WASHINGTON UNIVERSITY SCHOOL OF MEDICINE 1941-42
Fourth Year Class. Pediatrics and Obstetrics and Gynecology Quarter

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* Clerkships take precedence over the clinical and pathological conferences.
# DEGREES CONFERRED AT COMMENCEMENT

**June 11, 1940**

## DOCTOR OF MEDICINE

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<td>Wathen, Charles Barbour, B.S.</td>
<td>Charity Hospital of Louisiana, New Orleans, Louisiana</td>
</tr>
<tr>
<td>Wiley, Horace Mann, A.B. (cum laude)</td>
<td>St. Louis City Hospital, St. Louis, Missouri</td>
</tr>
<tr>
<td>Wootten, Betsy Geraldine</td>
<td>Selma, California</td>
</tr>
<tr>
<td>Wright, Sydney Thurman, A.B., B.S.</td>
<td>Barnes Hospital, St. Louis, Missouri</td>
</tr>
<tr>
<td>Young, Robert Helm, A.B.</td>
<td>St. Louis City Hospital, St. Louis, Missouri</td>
</tr>
</tbody>
</table>

**Total, 95**

**BACHELOR OF SCIENCE IN MEDICAL SCIENCE**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>Brown, Seymour</td>
<td>St. Louis, Missouri</td>
</tr>
<tr>
<td>Landau, Richard Louis</td>
<td>St. Louis, Missouri</td>
</tr>
<tr>
<td>Letterman, Gordon Sparks, A.B.</td>
<td>St. Louis, Missouri</td>
</tr>
<tr>
<td>Moreland, Joseph Ivan</td>
<td>East St. Louis, Missouri</td>
</tr>
<tr>
<td>Read, William Tolbert</td>
<td>Coffeyville, Kansas</td>
</tr>
<tr>
<td>Wright, Sydney Thurman</td>
<td>Selma, California</td>
</tr>
</tbody>
</table>

**Total, 8**
PRIZES AWARDED AT COMMENCEMENT
June 11, 1940

GILL PRIZE IN ANATOMY
Gordon Musgrove Todd, B.S.

GILL PRIZE IN PEDIATRICS
David Goldring, A.B.

ALPHA OMEGA ALPHA PRIZE
Leon Aaron Sachar, A.B.

ALEXANDER BERG PRIZE IN BACTERIOLOGY
Frances Marshall Love, A.B.

HOWARD A. McCORDOCK BOOK PRIZE IN PATHOLOGY
Martin Sanford Withers, A.B.

ALUMNI SCHOLARSHIP
Raymond Frederick Rose

JACKSON JOHNSON SCHOLARS — 1940-41
Roy Elmer Ahrens, Jr., A.B.
William Morris Anderson, B.S.
Parker Reynolds Beamer, A.B.,
M.S.
Grace Elizabeth Bergner, A.B.
Frank A. Brown, Jr., A.B.
Edward Hardin Dunn, A.B.
Charles M. Huguley, Jr., A.B.
Richard Arthur Jones, A.B.
Edwin Krebs, A.B.
Abraham David Krems, B.S., Ph.D.
Gordon Sparks Letterman, A.B., B.S.
Frances Marshall Love, A.B.

Harl Wood Matheson, B.S.
Allyn Jay McDowell, B.S.
Kent McQueen, B.S.
Charles Barber Mueller, A.B.
James Griffith Owen, B.S.
James Allan Read, A.B.
William George Reese, B.S., M.S.
Ernest Tuttle Rouse, B.S.
Philip T. Shahan, A.B.
Vergil Nelson Sleee, A.B.
Gordon Musgrove Todd, B.S.
Souther Fulton Tompkins, A.B.
Martin Sanford Withers, A.B.
ROSTER OF STUDENTS

PHYSICIANS ATTENDING GRADUATE COURSES BETWEEN
JANUARY 1 AND DECEMBER 31, 1940

Ault, Charles Carter, M.D. Psychiatry Farmington, Mo.
Benito, John M., M.D. Otolaryngology Youngstown, Ohio
Blackford, Roger William, M.D. Psychiatry Beach Grove, Ind.
Blasko, John Joseph, M.D. Psychiatry Fulton, Mo.
Bogue, Willis Julian, M.D. Otolaryngology Indianapolis, Ind.
Brandon, Wesley O., M.D. Otolaryngology Concord, N. C.
Brooks, Jack E., M.D. Otolaryngology Chicago, Ill.
Chamberlain, Clyde Gerard, M.D. Ophthalmology Hamilton, Ohio
Colgan, Francis Joseph, M.D. Psychiatry San Francisco, Calif.
Cultrone, Frank Thomas, M.D. Ophthalmology Cleveland, Ohio
Currier, Wilber Dale, M.D. Otolaryngology Edinburg, Ill.
Dole, John Addis, M.D. Otolaryngology Ironton, Ohio
Evans, John Wilson, M.D. Otolaryngology Bell, Tenn.
Eubank, William Richards, M.D. Ophthalmology Independence, Mo.
Forman, George William, M.D. Psychiatry Fulton, Mo.
Graves, George Tivis, Jr., M.D. Psychiatry Farmington, Mo.
Gregan, Frank, M.D. Psychiatry St. Louis, Mo.
Hall, James Tidwell, M.D. Otolaryngology Memphis, Tenn.
Hanks, Ralf, M.D. Psychiatry Fulton, Mo.
Heimann, Verne Rodney, M.D. Otolaryngology Alba, Iowa
Himmel, Jacob Gordon, M.D. Ophthalmology Cleveland Heights, Ohio
Hoctor, Emmett Francis, M.D. Psychiatry Farmington, Mo.
Impastato, Frank, M.D. Otolaryngology Chicago, Ill.
Kleiman, Bernard Stanley, M.D. Otolaryngology Baltimore, Md.
Klow, Sidney Deutsch, M.D. Psychiatry Jacksonville, Ill.
Kovun, O. Wilhart, M.D. Obstetrics & Gynecology Moline, Ill.
Lee, Wayne Robert, M.D. Otolaryngology Burlington, Iowa
Lenz, Charles Richard, Jr., M.D. Otolaryngology Springfield, Ill.
Leach, E. H., M.D. Psychiatry Jacksonville, Ill.
Marks, Ora L., M.D. Obstetrics & Gynecology E. Chicago, Ill.
McCord, James L., M.D. Otolaryngology Lovington, N. M.
Miller, William Jacob, M.D. Otolaryngology Valparaiso, Ind.
Moore, Walter Lamor, M.D. Psychiatry University City, Mo.
Monte, Frank, Jr., M.D. Otolaryngology Yonkers, N. Y.
Mulkey, James Robert, M.D. Psychiatry Farmington, Mo.
O'Neill, Charles Lee, Jr., M.D. Ophthalmology Newark, N. J.
Pope, Nathan K., M.D. Psychiatry Fulton, Mo.
Proud, G. O'Neill, M.D. Otolaryngology Richmond Hts., Mo.
Riddle, Raneford John, M.D. Otolaryngology New Castle, Pa.
Riesenberg, Leo Henry, M.D. Otolaryngology Cincinatti, Ohio
Ross, Edward, M.D. Psychiatry Alton, Ill.
Schultz, William Richard, M.D. Otolaryngology Wooster, Ohio
Schwartz, Daniel Norman, M.D. Otolaryngology Homestead, Pa.
Sherwood, Clarence E., M.D. Obstetrics & Gynecology Madison, S. D.
Sirles, Wayne P., M.D. Otolaryngology Herrin, Ill.
Stanka, Hugo, M.D. Psychiatry Anna, Ill.
Stell, Cecil Irving, M.D. Otolaryngology Dallas, Texas
Sugar, Edward Lamont, M.D. Otolaryngology Beverly Hills, Calif.
Thomas, Forrest, M.D. Psychiatry Fulton, Mo.
Toland, Virgil A., M.D. Ophthalmology Manchester, N. H.
Underwood, Dick Holland, M.D. Ophthalmology Kansas City, Mo.
Vanatta, Clyde Lawrence, M.D. Psychiatry Alton, Ill.
Weinkauff, Wilbur Herman, M.D. Obstetrics & Gynecology Peoria, Ill.
Weinstein, Lee, M.D. Otolaryngology Harrisburg, Pa.
Wessly, William David, M.D. Obstetrics & Gynecology Glendale, Calif.
Wilkstra, George A., M.D. Psychiatry Alton, Ill.
Wiser, Albert Sidney, M.D. Otolaryngology Baltimore, Md.
Wiseheart, Robert H., M.D. Otolaryngology North Salem, Ind.
Wood, George F., M.D. Psychiatry Fulton, Mo.

FOURTH YEAR CLASS

Ahrens, Roy Edwin, Jr., A.B., Washington Univ., '36—St. Louis, Mo.
Albert, Bernice, A.B., Washington Univ., '37—St. Louis, Mo.
Bachwitt, David, A.B., Washington Univ., '37—Brooklyn, N. Y.
Bartels, Bernhardt Brandt, B.S., State Coll. of Wash., '37—Tacoma, Wash.
Bartelt, William, B.S., Washington Univ., '37—East St. Louis, Ill.
Beatty, John Henry, B.S., Univ. of Wash., '37—Everett, Wash.
Black, Thomas William, A.B., Texas Christian Univ., '37—St. Louis, Mo.
Blackburn, Cecil Howell, A.B., Birmingham Southern Coll., '33; B.S., Howard Coll., '37—Fairfield, Ala.
Bohnert, Earl, A.B., Washington Univ., '37—St. Louis, Mo.
Bromwell, Donald Marion, B.S., Oregon State Coll., '26—Corvallis, Ore.
Buck, Robert Ervin, B.S., S. Dak. State Coll., '35; B.S., Univ. of S. Dak., '38—Wessington Springs, S. Dak.
Buckner, Robert Cave, A.B., Westminster Coll., '37; B.S., Univ. of Mo., '39—Mexico, Mo.
Canaga, Bruce Livingston, Jr.—San Diego, Calif.
Carter, Henry Heron, A.B., Univ. of Calif. at Los Angeles, '37—Los Angeles, Calif.
Chalkley, Judson Ireland, A.B., Westminster Coll., '36; B.S., Univ. of Mo., '38—St. Louis, Mo.
Connolly, Randall, A.B., Ohio Univ., '37—Parkersburg, W. Va.
Cook, Robert Jerome, A.B., Washington Univ., '37—University City, Mo.
Dickerson, Robert Brooks, A.B., Pomona Coll., '37—San Diego, Calif.
Dills, Joseph Newton, A.B., Univ. of Mo., '38; B.S., Univ. of Mo., '39—Camdenton, Mo.
Ellis, Calvin Carlyle, A.B., Washington Univ., '37—Okmulgee, Okla.
Ellman, Alexander, B.S., Univ. of Ark., '37—Brooklyn, N. Y.
English, Milton Tate, Jr., A.B., Univ. of Mo., '38; B.S., Univ. of Mo., '40—Kirksville, Mo.
Erganian, Jane Arax, A.B., Washington Univ., '37—Webster Groves, Mo.
Ferguson, Wilson Joseph, A.B., Dartmouth Coll., '36; B.S., Univ. of Mo., '37—Sedalia, Mo.
Fildes, Charles Edward—Olney, Ill.
Finkel, Barney William, A.B., Univ. of Mo., '37; B.S., Univ. of Mo., '39—St. Louis, Mo.
Flescher, Bertram, A.B., Univ. of Ala., '37—Woodside, L. I., N. Y.
Franklin, Harold Charles, A.B., Grinnell Coll., '34—Atlantic, Iowa
Garretson, Kirk Durand, A.B., Univ. of Calif., '37—Oakland, Calif.
Glaser, Joseph Louis, A.B., Washington Univ., '37—University City, Mo.
Godfrey, Samuel Walter—St. Louis, Mo.
Green, Ray Elmer, A.B., Univ. of Utah, '37—Salt Lake City, Utah.
Hagood, Robert Bragg, Jr., B.S., Univ. of Ga., '37—Lowndesboro, Ala.
Harsh, Ralph Thomas, A.B., Univ. of Mo., '36; B.S., A.M., Univ. of Mo., '38—Jefferson City, Mo.
Hayles, Alvin Beasley, B.S., Spring Hill Coll., '37—Atmore, Ala.
Hertz, Sylvan Altschiller, B.S., Univ. of Okla., '36—New York, N. Y.
Ivins, Joseph Louis, A.B., Univ. of Pa., '37—Chester, Pa.
Jackson, Robert, A.B., Univ. of Okla., '37—Oklahoma City, Okla.
Jenkins, Lillian Hall, A.B., Univ. of Mo., '37—Wakefield, Mass.
Johnston, Nelson Witter, A.B., Univ. of Ariz., '37—Wisconsin Rapids, Wis.
Jordan, Joseph David—Ferguson, Mo.
Kahn, Leon, B.S., Coll. of the City of N. Y., '36; M.S., Univ. of Mich., '37—Brooklyn, N. Y.
Kerr, David Nafe, A.B., Univ. of Colo., '36—Boulder, Colo.
Kindler, James Absolum, Jr., A.B., Washington Univ., '37—Cape Girardeau, Mo.
Koerner, Kenneth Albert, A.B., Washington Univ., '37—St. Louis, Mo.
Kohl, Mathias Franz Frederick, B.S., Mount Union Coll., '33; Ph.D., Univ. of Rochester, '38—St. Louis, Mo.
La Force, Richard Francis, A.B., Univ. of Mo., '37—Carthage, Mo.
Lanier, Virginia Singleton, B.S., Western Ky. Teachers Coll., '37; A.B., Western Ky. Teachers Coll., '38—Bowling Green, Ky.
Lee, John Portmess, A.B., Hanover Coll., '36—Rochester, N. Y.
Lemmon, George Bruce, Jr., A.B., Dartmouth Coll., '38—Springfield, Mo.
Letterman, Gordon Sparks, A.B., Washington Univ., '37; B.S., Washington Univ., '36—St. Louis, Mo.
Maclea, Donald James, B.S., Univ. of Toledo, '36—Toledo, Ohio
Mark, Philip Frederick, A.B., Univ. of Ark., '37—Eureka Springs, Ark.
Martin, Calvin Campbell, A.B., Texas Christian Univ., '37—Del Rio, Tex.
Martin, Samuel Preston—East Prairie, Mo.
Matthews, June Marvin, A.B., Univ. of Ala., '38—Montgomery, Ala.
McCann, Harold Edward—East St. Louis, Ill.
McElroy, Donald McGregor, B.S., Univ. of Wash., '37—Tacoma, Wash.
McGrath, William Fitch—Carnoblye, Ill.
Moreland, Joseph Ivan—East St. Louis, Ill.
Mueller, Vernetta Austin, Jr., A.B., Municipal Univ. of Wichita, '38—Wichita, Kans.
Nielsen, Cedric Axel, A.B., Univ. of Mo., '38; B.S., Univ. of Mo., '39—St. Louis, Mo.
Noah, Joseph William, A.B., Univ. of Mo., '38; B.S., Univ. of Mo., '39—Webster Groves, Mo.

Oxment, Thomas Lewis, A.B., Washington Univ., '37—Harrisauburg, Ill.


Ramsey, Joseph Hawthorne, A.B., Univ. of Ala., '38—Carbon Hill, Ala.

Ransom, Charles Herman, A.B., Univ. of Calif., '35—Modesto, Calif.

Reed, Darwin Cramer, A.B., Municipal Univ. of Wichita, '37—Wichita, Kans.

Rehm, Carol Henry, B.S., Univ. of Chicago, '35—St. Genevieve, Mo.

Rosen, Allan Morris, A.B., Univ. of Southern Calif., '36—Hollywood, Calif.

Ross, Silas Earl, Jr., B.S., Univ. of Nev., '37—Reno, Nev.

Schechter, Samuel Eli—St. Louis, Mo.

Schweitzer, Henry II—St. Louis, Mo.

Slier, Julius Milton, A.B., Washington Univ., '37—Passaic, N. J.


Smith, Cornelius Fredrick, A.B., Westminster Coll., '37—St. Louis, Mo.


Stennes, John Lowell, A.B., Concordia Coll., '37; B.S., Univ. of N. Dak. '39—Harwood, N. Dak.

Stewart, Robert Wendell, B.S., Drury Coll., '37—Springfield, Mo.

Sutherland, Earl Wilbur, Jr., B.S., Washburn Coll., '37—Burlingame, Kans.

Tate, Richard Kibbali, A.B., Univ. of Miss., '37— Tupelo, Miss.

Tompkins, Anne, B.S., Union Univ., '38—Burdeitre, Ark.

Topp, William Leon, B.S., Univ. of Wash., '36—Seattle, Wash.


Whitlock, Gerald Frederick, B.S., Baker Univ., '37; B.S., Univ. of Mo., '39—Eldon, Mo.

Whitson, Betty, A.B., Univ. of Oregon, '36—Boise, Idaho.

Williams, Charles Sampson—Malden, Mo.

Williams, James Carter, A.B., Univ. of Ala., '36—Atnore, Ala.

Womble, James George, A.B., Washington Univ., '27—Muskegon, Okla.

Yanou, Mitchell—Madison, Ill.

Yarbrough, Charles Lee—Cairo, Ill.

Total, 98.

THIRD YEAR CLASS

Anderson, William Morris, B.S., Coll. of William and Mary, '38—Cramerton, N. C.

Armstrong, William Bennett, B.S., Univ. of N. Dak., '40—Fargo, N. Dak.

Atwood, Edward—St. Louis, Mo.

Austin, Dean Charles, A.B., Univ. of S. Dak., '39—Vermillion, S. Dak.

Bald, Harry Haynes, A.B., Univ. of N. C., '38—Mars Hill, N. C.

Beatt, Robert Shefton, B.S., Univ. of N. C., '39—Asheville, N. C.

Black, William Alfred, A.B., Univ. of Calif., '33; M.A., Univ. of Calif., '34—Piedmont, Calif.

Blenhem, Herman Theodore, B.S., Rutgers Univ., '34; M.S., Univ. of Pa., '36; Ph.D., Washington Univ., '38—St. Louis, Mo.

Bressler, Bernard, A.B., Washington Univ., '38—St. Louis, Mo.


Brindley, Hanes Hanby—Temple, Texas.

Brown, Frank Augustus, Jr., A.B., Davidson Coll., '37—Hsouchow, China.

Brown, Royal Lee, A.B., Univ. of Utah, '32; A.M., Univ. of Utah, '33—Koosharem, Utah.

Burtrum, Hobson Dray, A.B., Univ. of Ala., '38—Albertville, Ala.

Busse, Ewald William, A.B., Westminster Coll., '38—St. Louis, Mo.

Callaway, Claude Parham—Palo Alto, California.

Cason, Elbert Henry, A.B., Univ. of Mo., '37; B.S., Univ. of Mo., '40—Jefferson City, Mo.

Chambers, Jerome Jenson, A.B., Univ. of Utah, '39—Salt Lake City, Utah.

Crenshaw, James Faulkner, B.S., Birmingham Southern Coll., '33—Birmingham, Ala.

Daman, George Albert, A.B., '38; B.S., Univ. of Mo., '40—St. Louis, Mo.

Davis, William Joseph, B.S., Univ. of Wash., '38—Portland, Ore.

Devereux, Edwin Ewing, A.B., Fresno State Coll., '33—Fresno, Calif.

Eck, Drew, A.B., Washington Univ., '33—St. Louis, Mo.

Ellis, Samuel Teol, Jr., A.B., Univ. of Mo., '39; B.S., Univ. of Mo., '40—Kansas City, Mo.

Ewing, Nathaniel Du Kate, A.B., Duke Univ., '37—Vincennes, Ind.


Foote, Burton Alexander, B.S., Univ. of Wash., '38—Elma, Wash.

Freking, Herbert William, A.B., Univ. of Mo., '39; B.S., Univ. of Mo., '40—Alma, Mo.

Gibbel, Melvin Isaac, A.B., Ill. Coll., '38—Girard, Ill.

Glassow, Julius—Atlantic Beach, N. Y.
BULLETIN OF WASHINGTON UNIVERSITY

Grabau, Gene Henry, B.S., St. Louis Coll. of Pharm., '37—St. Louis, Mo.
Graul, Walter Phillip, A.B., Valparaiso Univ., '38—St. Louis, Mo.
Grosbirt, Gene Marion, B.S., Univ. of Wyo., '38—Lincoln, Wyo.
Harell, Alex—St. Louis, Mo.
Herdener, Russell Louis, B.S., St. Ambrose Coll., '36—Moline, Ill.
Herrmann, Arnold John, B.S., Elmhurst Coll., '38—St. Louis, Mo.
Huguley, Charles Mason, Jr., A.B., Emory Univ., '38—Atlanta, Ga.
Ishida, Hiroshi, A.B., Stanford Univ., '38—Menlo Park, Calif.
Jocke, Anita Charles, Jr., A.B., Washington Univ., '38—University City, Mo.
Jones, Edward Henry, Jr., A.B., Western Reserve Univ., '37—Youngstown, Ohio.
Jones, Wendell LeRoy—Missoula, Mont.
Keenan, Thomas A., B.S., Stanford Univ., '37—Great Falls, Mont.
Keeler, Frank Gouding, B.S., Ala. Polytechnic Institute, '34—Birmingham, Ala.
Klinge, Frederick William, A.B., Univ. of Mo., '38—St. Louis, Mo.
Kotner, Irving Alfred, A.B., Washington Univ., '38—St. Louis, Mo.
Kreiss, Caroline Georgine, A.B., Univ. of Calif., '38—San Mateo, Calif.
Levy, Samuel Arthur, A.B., Howard Coll., '38—Baltimore, Md.
Madonia, Angela Joseph, A.B., Univ. of Rochester, N. Y.
Martz, John Charles, A.B., Univ. of Mo., '38—Kirkwood, Mo.
McCain, French Howell, B.S., Univ. of N. C., '39—Asheville, N. C.
McKnight, Elbert Lee, A.B., Mo. Valley Coll., '38—Marshall, Mo.
Meamber, Donald Lester, B.A., Univ. of Calif., '37—Yreka, Calif.
Miller, Sven Ross, B.S., Univ. of Utah, '39—Fairview, Utah.
Mihelich, Lewis, B.S., Univ. of Idaho, '38—Mullan, Idaho.
Mills, Warren B.—Webster Groves, Mo.
Mill, Charles David, A.B., Washington Univ., '38—St. Louis, Mo.
Mill, Charles David, A.B., Webster Groves, Mo.
Mueller, Charles Barber, A.B., Univ. of Ill., '38—Carlinville, Ill.
Mack, Chester Roehl, Jr., A.B., Central Coll., '38—Evanston, Ill.
Price, William F.—Lyons, Kansas.
Price, William F.—Lyons, Kansas.
Price, William P.—Lyons, Kansas.
Ray, James Clark, A.B., Univ. of Ala., '38—Sylacauga, Ala.
Reese, William George, B.S., Univ. of Idaho, '38; M.S., Univ. of Idaho, '38—Preston, Idaho.
Reeder, Helen Clarissa, A.B., Washington Univ., '38—St. Louis, Mo.
Rice, Herman, A.B., Western Reserve Univ., '37—Cleveland, Ohio.
Royce, Robert Killian, B.S., Univ. of Miss., '39—Isola, Miss.
Rush, Joseph Leo, A.B., Univ. of Ala., '38—Columbus, Miss.
Schneider, Elise Lewis—Dodge City, Kansas.
Schreiber, Ruth, A.B., Harvard Univ., '38—St. Louis, Mo.
Shanks, Philip Truman, A.B., Harvard Coll., '38—Stanford, Calif.
Shobe, Frank Oscar, A.B., Washington Univ., '38—St. Louis, Mo.
Showalter, John Ralph, Jr., A.B., DePauw Univ., '38—Glendale, Ind.
Slaughter, John McAulay, B.S., Southwestern Coll., '40—Edmondson, Ky.
Stullman, Hyman Bernard, B.S., Coll. of the City of N. Y., '38—M.S., Washington Univ., '38—Great Neck, N. Y.
Storz, Robert Benjamin—Pomona, Calif.
Sweetman, Howard Allen, E.S., Univ. of Wash., '40—Seattle, Wash.
Tillman, Walter William, Jr.—Springfield, Mo.
Turner, Glenn Oliver, A.B., Univ. of N. Dak., '39—Walhalla, N. Dak.
Utterback, Manly, A.B., Westminster Coll., '38; B.S., Univ. of Mo., '40—Ozark, Mo.
Waters, John Linn, A.B., Westminster Coll., '38—Farmington, Mo.
Wear, Thomas Ralph, A.B., Univ. of Ala., '38—Huntsville, Ala.
Weaver, Jack Dorsey, A.B., Washington Univ., '38—Wichita, Kans.
White, Abraham George, B.S., Coll. of the City of N. Y., '37—Ozone Park, L. I., N. Y.
Withers, Martin Sanford, A.B., Univ. of Kans., '38—Clay Center, Kans.

Total, 97.
SECOND YEAR CLASS

Anderson, De Wayne Campbell, B.S., Iowa State Coll., '40—Stanhope, Iowa.
Anthony, Dallas Dean, Jr., B.S., Drury Coll., '38—Springfield, Mo.
Ashley, Hugh Vincent, Jr., A.B., Univ. of Mo., '39—Cape Girardeau, Mo.
Aufler Heide, George Russell, A.B., Washington Univ., '32—St. Louis, Mo.
Beamer, Parker Reynolds, A.B., Univ. of Ill., '36; M.S., Univ. of Ill., '37; Ph.D., Univ. of Ill., '40—Urbana, Ill.
Bisat, Robert Bruce—Paris, Ill.
Birnser, Frank Hinch, A.B., Washington Univ., '39—St. Louis, Mo.
Boyle, Jean Rebecca, B.S., Univ. of Wash., '36; M.S., Univ. of Wash., '37—Seattle, Wash.
Callahan, William Paul, Jr., B.S., Univ. of Notre Dame, '39—Wichita, Kans.
Case, Dorothy Mildred—St. Louis, Mo.
Chamberlin, Albert Marion, A.B., Washington Univ., '39—Brooklyn, N. Y.
Conlin, Gerald John, Jr.—Blackfoot, Idaho.
Corbin, Lawrence Tapp, B.S., Univ. of Kentucky, '39—Nebo, Ky.
Dunn, Edward Hardin, A.B., Ohio Univ., '39—Pomeroy, Ohio.
Farrington, Wilma Rose, A.B., Washington Univ., '39—St. Louis, Mo.
Feldman, David—St. Louis, Mo.
Firminger, Harlan Irwin, A.B., Washington Univ., '39—St. Louis, Mo.
Gundell, Sigmund—St. Louis, Mo.
Holt, James Homer, A.B., Western Reserve Univ., '39—Wichita, Kans.
Holt, Robert Earl, Jr.—Stuttgart, Ark.
Leibn, Ira, Clare, A.B., Univ. of Kans., '39—Kansas City, Mo.
Lipott, Stuart Peter, A.B., Ill. Coll., '39—Huntsville, Texas.
Masumura, William, B.S., Univ. of Hawaii, '39—Kannapolis, N. C.
McKemie, Jack Furman, B.S., Texas A. and M. Coll., '38—Hearne, Texas.
Miller, James Augustus, A.B., Washington Univ., '39—St. Louis, Mo.
Moore, Kermit Lyne, A.B., Fresno State Coll., '39—Selma, Calif.
Nance, Alva Paul, Jr.—Flora, Ill.
Quinn, James Henry—Independence, Mo.
Rose, Raymond Frederic—Dupo, Ill.
Rosenstein, Ernest Simon, A.B., Univ. of Calif., '39—San Francisco, Calif.
Schricker, James Louis, Jr., A.B., Univ. of Utah, '39—Salt Lake City, Utah.
Schwartz, Ernest, A.B., Univ. of Calif., '39; M.A., Univ. of Calif., '39—San Francisco, Calif.
Schweitzler, Fred Carl, Jr., B.S., Drury Coll., '39—Springfield, Mo.
Snyder, Edward Nicholas, A.B., Univ. of Southern Calif., '39—West Los Angeles, Calif.
Sparling, Allen Roger, A.B., Luther Coll., '38—Minot, N. Dak.
Tabankin, Alvin Jacob, B.S., Coll. of William & Mary, '39—Newark, N. J.
Thurlock, Alfred Amos, Jr., A.B., Pomona Coll., '39—Santa Rosa, Calif.
Todd, Gordon, Musgrove, B.S., State Coll. of Wash., '39—Pullman, Wash.
Vermillion, Croyford Oliver, A.B., De Pauw Univ., '39—Anderson, Ind.
Woodridge, Wilfred Erwin, B.S., Drury Coll., '39—Springfield, Mo.

First Year Class

Ahner, Charles William, A.B., Washington Univ., '40—St. Louis, Mo.
Allred, H. Lawrence, A.B., Fresno State Coll., '40—Madera, Calif.
Bondurant, Bryce Harold, A.B., Northeast Mo. St. Teachers Coll., '40—St. Louis, Mo.
Boles, Clifford Read, A.B., Washington Univ., '40—University City, Mo.
Borchert, Jack A., A.B., Univ. of Kansas, '40—Wichita, Kans.
Chappell, Frances May, A.B., Washington Univ., '40—San Diego State Coll., '40—La Mesa, Calif.
Covington, Terrell, Jr., A.B., Washington Univ., '40—Muskogee, Okla.
Czebrinski, Edward Walter, A.B., Washington Univ., '40—St. Louis, Mo.
De Bold, Conrad—New York, N. Y.
Deconne, Gabriel, A.B., Pomona Coll., '40—Hollywood, Calif.
Donley, Leo Francis, Jr., A.B., Univ. of Dayton, '40—St. Louis, Mo.
Eisenhauer, John Herman, B.S., Univ. of Dayton, '40—Post Falls, Idaho.
Engleman, Reinhold, B.S., Indiana St. Teachers Coll., '40—Terre Haute, Ind.
Erickson, William Gardner, B.S., Northwestern Univ., '40—Danville, Ill.
Fukushima, Yasuyuki, B.S., Univ. of Hawaii, '40—Wahiawa, Oahu, Hawaii.
Goldfarb, Alvin, A.B., Washington Univ., '40—St. Louis, Mo.
Gottschalk, Louis August, A.B., Washington Univ., '40—St. Louis, Mo.
Grant, Harold, A.B., Washington Univ., '40—Bronx, N. Y.
Greenwood, Ben Sam, B.S., Univ. of Ill., '40—Champaign, Ill.
Haideman, Paul John, Jr., A.B., Harvard Coll., '40—St. Louis, Mo.
Hewitt, Archie Lee—Maplewood, Mo.
Ingram, Jack Samuel, A.B., Univ. of Ore., '40—Pendleton, Ore.
Jones, Alonzo Harry, A.B., Univ. of Mo., '40—Webster Groves, Mo.
Joslyn, Howard Pratt, B.S., Northwestern Univ., '40—Oak Park, Ill.
Kettenbach, Edward Leland, B.S., Univ. of Ariz., '40—Tucson, Ariz.
Knapke, Elaine Dryfoos, A.B., Univ. of Calif. at Los Angeles, '40—Pasadena, Calif.
Kowert, Edward Harry, A.B., Washington Univ., '40—St. Louis, Mo.
Krebs, David Evans, A.B., Washington Univ., '40—Sioux City, Iowa.
Krebs, Edwin, A.B., Univ. of Ill., '40—Greenville, Ill.
Krebs, Abraham David, B.S., Univ. of Wash., '37; Ph.D., Univ. of Wash., '40—Seattle, Wash.
Lawler, Harry James, B.S., Univ. of Ill., '37; D.Sc., Johns Hopkins Univ., '40—Chicago, Ill.
Lichtwardt, Harry Edward, A.B., Oberlin Coll., '40—Rio de Janeiro, Brazil.
Luft, Ralph Herbert, Jr., A.B., Grinnell Coll., '40—Omaha, Nebr.
Lydia, Wood, B.S., Univ. of Wash., '40—Seattle, Wash.
Makley, Torrence Aloysius, Jr., B.S., Univ. of Dayton, '40—Dayton, Ohio.
Matheson, Harl Wood, B.S., Univ. of Ill., '40—Neponset, Ill.
Mauzy, Herbert Arthur—University City, Mo.
McCloy, Glenn Leslie, A.B., Central Coll., '40—New Franklin, Mo.
Munson, James H., B.S.—Oak Park, Ill.
Middleton, William Harry, A.B., Oberlin Coll., '40—Alton, Ill.
Moore, Andrew Maurice, A.B., Washington and Lee Univ., '40—St. Louis, Mo.
Moore, Stanley Wayne—Vandalia, Ill.
Mundy, Carroll Francis, B.S., Northwestern Univ., '40—St. Joseph, Mo.
Neff, Julius Karl, A.B., Reed Coll., '40—Portland, Ore.
Owen, James Griffith, B.S., Monmouth Coll., '40—Monmouth, Ill.
Payne, John William, B.S., Univ. of Ill., '40—Danville, Ill.
Reese, Dorothy, A.B., Valparaiso Univ., '40—Concordia, Mo.
Rohlfing, Walter Alfred, Jr., A.B., Washington Univ., '40—St. Louis, Mo.
Scheer, George Edward, A.B., Municipal Univ. of Wichita, '40—Wichita, Kans.
Shatzi, Burton Albert, A.B., Washington Univ., '40—St. Louis, Mo.
Silvermintz, Saul Don, A.B., Washington Univ., '40—Clayton, Mo.
Sleeter, Richard Lee, B.S., Univ. of Ore., '40—Medford, Ore.
Smith, Donald Eugene, A.B., Univ. of Utah, '40—Salt Lake City, Utah.
Smithson, Harold Leroy—Los Angeles, Calif.
Sprunger, Lucille Audrey, A.B., Univ. of Wisconsin, '40—Peoria, Ill.
Swift, Robert Howard, A.B., Univ. of Calif., '39—San Francisco, Calif.
Tigert, Russell, Jr., B.S., Univ. of Idaho, '37—Soda Springs, Idaho.
Trueblood, Alva Cooper, Jr., A.B., Washington Univ., '40—Webster Groves, Mo.
Walters, Harold Eugene, A.B., Stanford Univ., '40—San Jose, Calif.
Wiegand, Herbert Charles, A.B., Washington Univ., '40—St. Louis, Mo.
Wilson, John Alfred, A.B., Knox Coll., '40—Pekin, Ill.
Yeager, Helen Elizabeth, A.B., Central Coll., '40—Palmyra, Mo.
Young, Lafayette, Jr., A.B., Washington Univ., '40—Alton, Ill.

Total, 82.

SUMMARY OF STUDENTS IN THE SCHOOL OF MEDICINE

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