WASHINGTON UNIVERSITY

Harry B. Wallace, A.B., Acting Chancellor

The College of Liberal Arts
William G. Bowling, A.M., Dean

The School of Engineering
Alexander S. Langsdorf, M.M.E., Dean

The School of Architecture
Alexander S. Langsdorf, M.M.E., Dean

The School of Business and Public Administration
William H. Stead, Ph.D., Dean

The Henry Shaw School of Botany
George T. Moore, Ph.D., Director

The School of Graduate Studies
Richard F. Jones, Ph.D., Dean

The School of Law
Warner Fuller, B.S., LL.B., Dean

The School of Medicine
Philip A. Shaffer, Ph.D., Dean

The School of Dentistry
Benno E. Lischer, D.M.D., Dean

The School of Nursing
Louise Knapp, R.N., B.S., A.M., Director

The School of Fine Arts
Kenneth E. Hudson, B.F.A., Dean

University College
Willis H. Reals, Ph.D., Dean

The Summer School
Frank L. Wright, A.M., Ed.D., Director

Mary Institute, a preparatory school for girls, located at Ladue and Warson Roads, is also conducted under the charter of the University.

Note: Complete information about any of the schools listed above may be obtained by writing to the Dean or Director concerned.
## CALENDAR

### 1945

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### 1946

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The accelerated program, adopted as a war-time emergency, compresses the medical course of four academic years within a period of thirty-six months. A calendar year thus covers one and one-third "academic years" and includes a vacation of three to four weeks following the "academic year." Except for the Christmas recess and the vacation periods, there are no intervals between the terms or quarters of scheduled exercises.

A new class is admitted in September of each year.

The class schedules for the first, second, and third classes are divided into three terms (trimesters) each of eleven weeks, together with a reading and examination period of three weeks after the end of the third term. The schedule for the fourth class consists of four terms (quarters) of eight weeks each, with a final reading and examination period of four weeks.

The following dates are subject to change as circumstances may require.

1945

January 2—Second trimester begins; ends March 17.
Registration for all classes.

February 5—Third quarter for fourth class begins; ends March 31.

March 19—Third trimester begins; ends June 2.
Registration for all classes.

April 2—Fourth quarter for fourth class begins; ends May 26.

May 28—Reading and examination period for fourth class begins; ends June 16.

June 4—Reading and examination period for first, second, and third classes begins; ends June 23.

June 23—Commencement exercises for fourth class.

July 9—Beginning of academic year for second, third and fourth classes.
Registration.

First trimester begins for second and third classes; ends September 22.

First quarter begins for fourth class; ends September 1.

Second quarter for fourth class begins; ends October 27.

Second trimester for second class begins; ends December 8.

Second trimester for third class begins; ends December 15.
Registration for second, third and fourth classes.

October 29—Third quarter for fourth class begins; ends January 5, 1946.

December 10—Third trimester for second class begins; ends March 9, 1946.
Registration for second, third, and fourth classes.

December 16—Christmas recess for all classes begins; ends January 1, 1946, 6 p. m.
1946

January 2—Third trimester for third class begins; ends March 16.
Second trimester for first class begins; ends March 16.
Registration for first class.

January 7—Fourth quarter begins for fourth class; ends March 2.
March 4—Reading and examination period for fourth class begins; ends March 30.

March 11—Reading and examination period for second class begins; ends March 30.
March 18—Reading and examination period for third class begins; ends March 30.

Third trimester for first class begins; ends June 1.
Registration for first class.
THE CORPORATION

President
HARRY BROOKINGS WALLACE

First Vice-President
ALFRED LEE SHAPLEY

Second Vice-President
DANIEL KAYSER CATLIN

Directors
ALFRED LEE SHAPLEY
HARRY BROOKINGS WALLACE
WILLIAM HENRY DANFORTH
DANIEL KAYSER CATLIN
DANIEL NOYES KIRBY
EUGENE DUTTON NIMS
ERNEST WILLIAM STIX
WILSON LINN HEMINGWAY

LEMUEL RAY CARTER
JOHN BALTHASAR STRAUCH
EDGAR MONSANTO QUEENY
ETHAN ALLEN HITCHCOCK SHEPLEY
HOWARD ISAAC YOUNG
CLIFFORD WILLARD GAYLORD
JOHN STARK LEHMANN
JOHN MERRILL OLIN

Alumni Directors
ROLAND MILTON HOERR
FRANK PHILIP ASHEMEYER

LOUIS HELMAR JORSTAD
EDGAR HAYDEN KEYS

Treasurer
THOMAS EDWARD BLACKWELL

Secretary to the Corporation
JOSEPH HENRY ZUMBALEN

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

HARRY BROOKINGS WALLACE....  Acting Chancellor of the University
A.B., Yale University, 1899.

PHILIP ANDERSON SHAFFER....  Dean
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D., University of Rochester, 1933.

CARLYLE FERDINAND JACOBSEN....  Assistant Dean
A.B., University of Minnesota, 1924; Ph.D., 1928.

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

EMERITI

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

LEO LOEB....  Professor Emeritus of Pathology
M.D., University of Zürich, 1896.

JOSEPH ERLANGER....  Professor Emeritus of Physiology and Head of the Department
B.S., University of California, 1895; M.D., Johns Hopkins University, 1899; L.L.D., University of California, 1922; Sc.D., University of Pennsylvania, 1932; Sc.D., University of Wisconsin, 1936; Sc.D., University of Michigan, 1937.

HARRY STURGEON CROSSEN....  Professor Emeritus of Clinical Obstetrics and Gynecology
M.D., Washington University, 1892.

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

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

VILRAY PAPIN BLAIR....  Professor Emeritus of Clinical Surgery
A.M., Christian Brothers College, 1890; M.D., Washington University, 1893.

WILLARD BARTLETT....  Professor Emeritus of Clinical Surgery
A.B., Illinois College, 1892; A.M., 1898; D.Sc., 1926; M.D., Marion Sims College of Medicine, 1895.

HARRY WEBSTER LYMAN....  Professor Emeritus of Clinical Otolaryngology
M.D., St. Louis College of Physicians and Surgeons, 1895.

FREDERICK ENO WOODRUFF....  Associate Professor Emeritus of Clinical Ophthalmology
M.D., Missouri Medical College, 1897; A.B., Washington University, 1923.

WALTER BAUMGARTEN....  Assistant Professor Emeritus of Clinical Medicine
A.B., Johns Hopkins University, 1894; M.D., St. Louis Medical College, 1898.

LOUIS HENRY HEMPELMANN....  Assistant Professor Emeritus of Clinical Medicine
M.D., St. Louis Medical College, 1896.

ADOLPH GEORGE SCHLOSSSTEIN....  Assistant Professor Emeritus of Clinical Obstetrics and Gynecology
M.D., St. Louis Medical College, 1894.

THOMAS B. POTTER....  Lecturer Emeritus in Pathology
D.V.S., McGill University, 1892; M.D., Washington University, 1902.

1 Arranged in groups in order of appointment, as of December, 1944.
* In Military Service.
** On leave in government war service.
PHILIP ANDERSON SHAFFER  .  .  Professor of Biological Chemistry and Head of the Department
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D., University of Rochester, 1939.

EVARTS AMBROSE GRAHAM  .  Bizby Professor of Surgery and Head of the Department
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; Sc.D. (hon.), University of Pennsylvania, 1940; Sc.D. (hon.), University of Chicago, 1941; F.R.C.S. (hon.), 1943; Sc.D. (hon.), McGill University, 1944.

OTTO HENRY SCHWARZ  Professor of Clinical Obstetrics and Gynecology
M.D., Washington University, 1913.

SHERWOOD MOORE  Professor of Radiology and Head of the Department
M.D., Washington University, 1905.

EDMUND VINCENT COWDRY  .  .  Professor of Anatomy and Head of the Department
B.A., University of Toronto, 1909; Ph.D., University of Chicago, 1912.

JACQUES JACOB BRONFENBRENNER  .  .  Professor of Bacteriology and Immunology and Head of the Department
Ph.D., Columbia University, 1912; Dr.P.H., Harvard University, 1918.

GEORGE HOLMAN BISHOP  .  .  .  Professor of Biophysics
A.B., University of Michigan, 1912; Ph.D., University of Wisconsin, 1920.

CARL F. CORI  .  Professor of Pharmacology and Biological Chemistry and Head of the Department of Pharmacology
M.D., University of Prague, 1920.

LAWRENCE TYLER POST  .  Professor of Clinical Ophthalmology and Head of the Department
A.B., Yale University, 1909; M.D., Johns Hopkins University, 1913.

ALEXIS FRANK HARTMANN  Professor of Pediatrics and Head of the Department
B.S., Washington University, 1919; M.S., 1921; M.D., 1921.

JEAN VALJEAN COOKE  .  .  Professor of Pediatrics
A.B., West Virginia University, 1903; A.B., Yale University, 1904; M.D., Johns Hopkins University, 1908.

CARLYLE FERDINAND JACOBSEN  .  .  Professor of Medical Psychology
A.B., University of Minnesota, 1924; Ph.D., 1928.

ROBERT ALLAN MOORE  .  Edward Mallinckrodt Professor of Pathology and Head of the Department
B.A., Ohio State University, 1921; M.S., 1927; M.D., 1928; Ph.D., Western Reserve University, 1939.

WILLARD MYRON ALLEN  .  Professor of Obstetrics and Gynecology and Head of the Department
B.S., Hobart College, 1926; M.A., University of Rochester, 1929; M.D., 1932; Sc.D. (hon.), Hobart College, 1940.

THEODORE EDWIN WALSH  .  Professor of Otolaryngology and Head of the Department

WILLIAM BARRY WOOD, JR.  .  Busch Professor of Medicine and Head of the Department
A.B., Harvard University, 1932; M.D., Johns Hopkins University, 1936.
EDWIN FRANCIS GILDEA . . . Professor of Psychiatry and Head of the Department of Neuropsychiatry
A.B., Colorado College, 1920; M.D., Harvard University, 1924.

ARTHUR LLEWELYN HUGHES . . . . . . Consulting Physicist
B.Sc., Liverpool University, 1906; M.Sc., 1907; B.A., Cambridge University, 1910; D.Sc., 1912.

JOHN VINCENT LAWRENCE . . . . . . . Director of University Clinics and Assistant Professor of Medicine
B.S., University of Chicago, 1917; M.D., Rush Medical College, 1924.

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

ERNEST SACHS . . . . . . Professor of Clinical Neurological Surgery
A.B., Harvard University, 1900; M.D., Johns Hopkins University, 1904.

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

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

MALVERN BRYAN CLOPTON . . . . . . Professor of Clinical Surgery
M.D., University of Virginia, 1897.

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

JOHN ALBERT KEY . . . . . . Professor of Clinical Orthopedic Surgery
M.D., Johns Hopkins University, 1918.

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

ARTHUR WALTER PROETZ . . . . . . Professor of Clinical Otolaryngology
A.B., Washington University, 1910; M.D., 1912.

DALTON KEATS ROSE . . . . . . Professor of Clinical Genitourinary Surgery
M.D., Washington University, 1916.

T. K. BROWN . . . . . Professor of Clinical Obstetrics and Gynecology
B.S., University of Wisconsin, 1921; M.S., 1922; M.D., Washington University, 1924.

HARRY LOUIS ALEXANDER . . . . . . Professor of Clinical Medicine
A.B., Williams College, 1910; M.D., Columbia University, 1914.

EDWARD GRAFTON MCGRAVEN . Professor of Public Health Administration and Acting Head of the Department of Public Health
A.B., Butler University, 1924; M.D., Harvard University, 1928; M.P.H., 1934.

E. GURNEY CLARK1 . . . . . Professor of Preventive Medicine
A.B., Vanderbilt University, 1927; M.D., 1931; M.P.H., Johns Hopkins University, 1936; Dr. P.H., 1944.

VIRGIL LOEB . . . . . . Lecturer in Stomatology
A.B., University of Missouri, 1903; M.D., St. Louis University, 1906; D.D.S., 1906.

FRANK RICHARD BRADLEY . . . . . . Lecturer in Hospital Administration
M.D., Washington University, 1928.

1 Effective November 1, 1944.
THE SCHOOL OF MEDICINE

ASSOCIATE PROFESSORS

WARREN PHILO ELMER . . . Associate Professor of Clinical Medicine
M.D., University of Michigan, 1903; B.S., St. Louis University, 1906.

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

WILLIAM FREDERIC HARDY . . . Associate Professor of Clinical Ophthalmology
M.D., Washington University, 1901.

GLOVER H. COPHER . . . Associate Professor of Clinical Surgery
A.B., University of Missouri, 1916; M.D., Washington University, 1918.

WILLIAM HARWOOD OLMS TED . Associate Professor of Clinical Medicine
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.

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

JOSEPH WILLIAM LARIMORE . Associate Professor of Clinical Medicine
A.B., DePauw University, 1908; M.D., Washington University, 1918.

*JAMES LEE O’LEARY . . . Associate Professor of Neuroanatomy and Assistant Professor of Neurology
B.S., University of Chicago, 1921; Ph.D., 1928; M.D., 1931.

ROBERT ELMAN . . . Associate Professor of Clinical Surgery
B.S., Harvard University, 1919; M.D., Johns Hopkins University, 1922.

PETER HEINBECKER . . . Associate Professor of Clinical Surgery
B.A., McGill University, 1918; M.D., 1921.

*NATHAN ANTHONY WOMACK . Associate Professor of Clinical Surgery
B.S., University of North Carolina, 1922; M.D., Washington University, 1924.

*LEONARD THOMPSON FURLow . . . Associate Professor of Clinical Neurological Surgery
B.S., Emory University, 1923; M.D., 1925.

*LEONARD THOMPSON FURLow . . . Associate Professor of Clinical Neurological Surgery
B.S., Emory University, 1923; M.D., 1925.

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

FRENCH KELLER HANSEL . . . Associate Professor of Clinical Otolaryngology
M.D., St. Louis University, 1918; M.S., University of Minnesota, 1923.
ARTHUR MAXWELL ALDEN . . . . Associate Professor of Clinical Otolaryngology
A.B., University of Oklahoma, 1907; A.M., 1909; M.D., St. Louis University, 1915.

RICHARD SIMON WEISS . Associate Professor of Clinical Dermatology and Acting Head of the Department of Dermatology
M.D., Washington University, 1909.

JAMES BRAY COSTEN . Associate Professor of Clinical Otolaryngology
A.B., University of Arkansas, 1916; M.D., Washington University, 1922.

CECIL MARVIN CHARLES . . . Associate Professor of Anatomy and Assistant in Clinical Medicine
A.B., University of Kentucky, 1926; A.M., 1927; Ph.D, Washington University, 1929; M.D., 1933.

CARL VERNON MOORE . . . . Associate Professor of Medicine
A.B., Washington University, 1928; M.D., 1932.

FREDERICK OSCAR SCHWARTZ . . . . Associate Professor of Clinical Ophthalmology
M.D., Washington University, 1910.

MARGARET GLADYS SMITH . . . . Associate Professor of Pathology
A.B., Mount Holyoke College, 1918; M.D., Johns Hopkins University, 1922.

EARL H. PERRY . Associate Professor of Military Science and Tactics
M.D., University of Pennsylvania (MC), 1902.

GERTY T. CORI . Associate Professor of Research Biological Chemistry and Pharmacology
M.D., University of Prague, 1920.

SAMUEL HAROLD GRAY . . . . Associate Professor of Pathology
A.B., Columbia University, 1920; M.D., 1923.

PAUL R. PATEK1 . . . . . Visiting Associate Professor of Anatomy
A.B., University of Southern California, 1930; Ph.D., 1933.

EDWARD L. BURNS2 . . . . Visiting Associate Professor of Pathology
M.D., Washington University, 1928.

ASSISTANT PROFESSORS

ARTHUR OSCAR FISHER . . Assistant Professor of Clinical Surgery
A.B., University of Wisconsin, 1906; M.D., Johns Hopkins University, 1909.

FRANK HENRY EWERHARDT . . Assistant Professor of Physical Therapeutics
M.D., Washington University, 1910.

MILLARD FILLMORE ARBUCKLE . . Assistant Professor of Clinical Otolaryngology
M.D., Washington University, 1909.

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

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

DUFF SHEREDIC ALLEN . . Assistant Professor of Clinical Surgery
M.D., Washington University, 1919

1 1944-45.
2 November 18 to December 12, 1944.
THE SCHOOL OF MEDICINE

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
B.S., Washington University, 1915; M.D., 1917.

CHARLES DARRELL O'KEEFE . Assistant Professor of Clinical Obstetrics and Gynecology
A.B., University of Missouri, 1916; M.D., Washington University, 1918.

LAWRENCE DORLAND THOMPSON . Assistant Professor of Clinical Medicine
B.S., Rutgers College, 1917; M.D., Cornell University, 1922.

ISAAC DEE KELLEY, JR. Assistant Professor of Clinical Otolaryngology
B.S., St. Louis University, 1903; M.D., 1908.

ANDREW BLUCHER JONES . Assistant Professor of Clinical Neurology
M.D., Vanderbilt University, 1916.

RICHARD PADDOCK . Assistant Professor of Clinical Obstetrics and Gynecology
M.D., Washington University, 1921.

GEORGE EDWIN HOURN1 Assistant Professor of Clinical Otolaryngology
D.D.S., University of Minnesota, 1903; M.D., Washington University, 1913.

CLARENCE HARRISON CREGO, JR. Assistant Professor of Clinical Orthopedic Surgery
B.S., Union University, 1921; M.D., University of Michigan, 1922.

OTTO ST. CLAIR KREBS . Assistant Professor of Clinical Obstetrics and Gynecology
B.S., Washington University, 1917; M.D., 1919.

BENNETT YOUNG ALVIS Assistant Professor of Clinical Ophthalmology
B.S., St. Louis University, 1916; M.D., 1918.

WILLIAM BRYAN KOUNTZ . Assistant Professor of Clinical Medicine
M.D., Washington University, 1926.

ARCHIE DREYFUS CARR . Assistant Professor of Clinical Neurology
B.S., Washington University, 1918; M.D., 1921.

PHILIP LEONARD VARNEDO . Assistant Professor of Bacteriology and Immunology
B.S., Oregon Agricultural College, 1923; M.S., Washington University, 1926; Ph.D., 1933.

THEODORE PREWITT BROOKES . Assistant Professor of Clinical Orthopedic Surgery
M.D., Washington University, 1909.

ROBERT JAMES CROSSEN . Assistant Professor of Clinical Obstetrics and Gynecology
A.B., Oberlin College, 1921; M.D., Washington University, 1925.

JULIUS JENSEN . Assistant Professor of Clinical Medicine
M.R.C.S., England, 1922; L.R.C.P., University of London, 1923; Ph.D., University of Minnesota, 1929.

ROGERS DEAKIN . Assistant Professor of Clinical Genitourinary Surgery
M.D., Washington University, 1922.

1 Deceased, December 10, 1944.
CYRIL MITCHELL MACBRYDE . Assistant Professor of Clinical Medicine
A.B., Washington University, 1926; M.D., Harvard University, 1930.

*WENDELL GARRISON SCOTT . Assistant Professor of Clinical Radiology
A.B., University of Colorado, 1928; M.D., Washington University, 1932.

*VAL BEYER SATTERFIELD . Assistant Professor of Clinical Psychiatry
B.S., Washington University, 1922; M.D., 1924.

ALFRED D. HERSHEY . Assistant Professor of Bacteriology and Immunology
Ph.D., Michigan State College, 1934.

*LOUIS LEON TUREEN . Assistant Professor of Clinical Neurology
B.S., Washington University, 1925; M.D., 1927.

*FREDERICK AUGUSTUS JOSTES . Assistant Professor of Clinical Orthopedic Surgery
B.S., Washington University, 1918; M.D., 1920.

GEORGE DAVID KETTELKAMP . Assistant Professor of Clinical Medicine
A.B., Central Wesleyan College, 1910; M.D., Washington University, 1914.

WILLIAM MAHLON JAMES . Assistant Professor of Clinical Ophthalmology
B.S., Drury College, 1923; M.D., Washington University, 1926.

*ALFRED J. CONE . Assistant Professor of Clinical Otolaryngology
B.S., State University of Iowa, 1921; M.D., 1923; M.S., 1926.

JOHN E. HOBBS . Assistant Professor of Clinical Obstetrics and Gynecology
A.B., Southwest Missouri State Teachers' College, 1923; M.D., Washington University, 1927.

*HUBERT BEAUFORT PEUGNET . Assistant Professor of Physiology
A.B., St. Louis University, 1924; M.D., 1929.

*EDGAR ALLAN BLAIR . Assistant Professor of Physiology
A.B., Vanderbilt University, 1925; M.S., 1927; Ph.D., Washington University, 1938.

HARRY NAYLOR GLICK . Assistant Professor of Clinical Otolaryngology
A.B., Cornell University, 1916; M.D., St. Louis University, 1922.

HAMILTON BURROWS GREAVES ROBINSON . Associate in Pathology
D.D.S., University of Pennsylvania, 1934; M.S., University of Rochester, 1936.

CARL REINARD WEGNER . Assistant Professor of Clinical Obstetrics and Gynecology
A.B., North Central College, 1922; M.D., University of Nebraska, 1928.

*DANIEL WILBUR MYERS . Assistant Professor of Clinical Medicine
A.B., University of Michigan, 1939; M.D., 1932.

*SAMUEL RUSSELL WARSON . Assistant Professor of Psychiatry
A.B., McGill University, 1930; M.D., 1934.

*AVERY PECK ROWLETTE . Assistant Professor of Clinical Surgery
M.D., Washington University, 1929.

ARDA ALDEN GREEN . Assistant Professor of Biological Chemistry and Research Associate in Pharmacology
A.B., University of California, 1921; M.D., Johns Hopkins University, 1927.

*LEE DE CADY . Assistant Professor of Clinical Medicine
A.B., University of Missouri, 1918; A.M., Washington University, 1921; M.D., 1922.

1 Resigned October 1, 1944.
THE SCHOOL OF MEDICINE

*DUDLEY REEVES SMITH . . Assistant Professor of Clinical Obstetrics and Gynecology
M.D., Washington University, 1923.

*SAMUEL DAVID SOULE . . Assistant Professor of Clinical Obstetrics and Gynecology
M.D., Washington University, 1928.

*A. NORMAN ARNESON . Assistant Professor of Clinical Radiology and of Clinical Obstetrics and Gynecology
B.S., Texas Christian University, 1924; M.D., Washington University, 1928.

*FRANKLIN EDWARD WALTON . Assistant Professor of Clinical Surgery
B.S., Shurtleff College, 1923; M.D., Washington University, 1927.

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<th>Title</th>
<th>Education Details</th>
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<tbody>
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MARION MYER JACOBSEN .... Instructor in Psychology
A.B., University of Minnesota, 1924; Ph.D., 1928.

WILLIAM THOMAS KIMLIN BRYAN .... Instructor in Clinical
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A.B., Washington University, 1929; M.D., 1933.

*OSCAR PERRY HAMPTON, JR. Instructor in Clinical Orthopedic Surgery
M.D., University of Tennessee, 1928.

*HARRY AGRESS .... Instructor in Pathology and Assistant in Clinical
Medicine
B.S., Washington University, 1932; M.D., 1932.

*ARTHUR THOMAS JOHN ESSLINGER .... Instructor in Clinical Obstetrics
and Gynecology
M.D., Washington University, 1940.

1 July 1, 1944 to November 15, 1944.
SEYMOUR MAURICE MONAT . Instructor in Obstetrics and Gynecology
A.B., University of Pennsylvania, 1935; M.D., Long Island College of Medicine, 1939.

B. K. SHAHRROCK1 . . . . Instructor in Bacteriology and Immunology
Ph.D., University of California, 1943.

WAYNE PULLEY SIRLES2 . . . . Instructor in Otolaryngology
M.D., University of Illinois, 1918.

MERYL MILES3 . . . . . . . . Instructor in Anatomy
B.S., University of Wisconsin, 1922; M.S., Washington University, 1944.

MARTIN SILBERBERG3 . . . . Instructor in Pathology
M.D., University of Breslau, 1920.

DANIEL WALTER BADAL4 . . . . Instructor in Neuropsychiatry
M.D., Western Reserve University, 1937.

WILLIAM PAUL CALLAHAN . . . . Instructor in Pathology
B.S., University of Notre Dame, 1939; M.D., Washington University, 1943.

*ROBERT A. HARRIS . . . . Dentist to the Department of Pediatrics
D.D.S., Washington University, 1933.

LECTURERS

JOSEPH C. WILLETT . . . . Lecturer in Public Health Diagnostic Methods
D.V.M., United States Veterinary College, 1920.

ROY EARL MASON . . . . Lecturer in Clinical Ophthalmology
M.D., St. Louis University, 1906.

EDGAR VAN NORMAN EMERY . . . . Lecturer in Psychiatry
M.B., University of Toronto, 1911; M.D., 1931.

WILLIAM W. CROWDUS . . . . Lecturer in Medical Jurisprudence
LL.B., Washington University, 1922.

JOHN OSCAR BUXELL . . . . Lecturer in Public Health
B.S.Ch.E., Washington University, 1934; M.S., 1936.

ALLEN O. GRUEBBEL . . . . Lecturer in Public Health
D.D.S., Kansas City Western Dental College, 1923.

ASSISTANTS

MAURICE JULIUS LONSWAY . . . . Assistant in Clinical Pediatrics
B.S., Valparaiso University, 1910; M.D., St. Louis University, 1914.

OLIVER ABEL, JR. . . . . Assistant in Clinical Medicine
B.S., Washington University, 1922; M.D., 1923.

WILLIAM GEORGE BECKE . . . . Assistant in Clinical Medicine
M.D., Washington University, 1923.

FRANCIS JOHN CANEPA . . . . Assistant in Clinical Obstetrics and Gynecology
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HELEN GAGE . . . . . . . . Assistant in Clinical Otolaryngology
B.S., University of Michigan, 1916; M.D., 1918.

BARBARA STANDISH KENDALL . . . . Assistant in Medical Psychology
A.B., Radcliffe College, 1913; Ed.M., Harvard University, 1928.

1 Resigned September 15, 1944.
2 Effective September 1, 1944.
3 Effective October 1, 1944.
4 Effective December 1, 1944.
BERTRAND YOUNKER GLASSBERG . . . Assistant in Clinical Medicine
B.S., Washington University, 1923; M.D., 1925.

*MILTON SMITH . . . . Assistant in Clinical Medicine
B.S., Washington University, 1928; M.D., 1930.

IRWIN HERMAN ESKELES . . . Assistant in Clinical Dermatology
B.S., Washington University, 1920; M.D., 1922.

JOSEPH ALOYSIUS BAUER . . . Assistant in Clinical Pediatrics
M.D., Washington University, 1926.

FREDERICK W. SCHERRER, JR. . Assistant in Clinical Otolaryngology
B.S., St. Louis University, 1926; M.D., 1928; M.S., in Otolaryngology, University of Pennsylvania, 1932.

LEE BULLEN HARRISON . . . Assistant in Clinical Medicine
A.B., University of Utah, 1925; M.D., Washington University, 1927.

FRANCES H. STEWART . Assistant in Clinical Obstetrics and Gynecology
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HARRY L. THIEME . . . Assistant in Clinical Orthopedic Surgery
B.S., St. Louis University, 1922; M.D., 1924.

KURT MANSBACHER . . . Assistant in Clinical Medicine
M.D., Friedrich-Wilhelms University, 1919.

LESLEY ENIDCOTT PATTON . Assistant in Clinical Obstetrics and Gynecology
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*PAUL FRANKLIN MAX . . . Assistant in Clinical Obstetrics and Gynecology
B.S., Washington University, 1932; M.D., 1932.

*SIM F. BEAM . . . . . Assistant in Clinical Medicine
A.B., University of Missouri, 1928; M.D., Washington University, 1932.

*EDMUND BENNETT ALVIS . Assistant in Clinical Ophthalmology
M.D., Washington University, 1934.

MORRIS MOORE . . . . Mycologist to the Department of Dermatology
B.S., Boston University, 1923; A.M., Harvard University, 1929; Ph.D., Washington University, 1933.

*HARRY DAVID ROSENBAUM . . . Assistant in Clinical Ophthalmology
M.D., Washington University, 1934.

OLGA BIERBAUM . . . Assistant in Hematology in Medicine
B.S., in Ed., Ohio State University 1930.

HELEN MARGARET AFF . . . Assistant in Clinical Pediatrics
B.S., Washington University, 1934; M.D., 1934.

*MAURICE BERNARD ROCHE . Assistant in Clinical Orthopedic Surgery
M.D., St. Louis University, 1933.

*WILLIAM R. ARROWSMITH . . . Assistant in Clinical Medicine
B.S., Muskingum College, 1930; M.D., Ohio State University, 1933.

*WILSON GORDON BROWN . . . . . . Assistant in Pathology
A.B., William Jewell College, 1935; M.D., Washington University, 1939.

*S. ALBRETT HANSEN . . . . . . Assistant in Clinical Ophthalmology
B.S., St. Louis University, 1933; M.D., 1937.

*ROBERT WILSON KELLEY . . . Assistant in Clinical Medicine
A.B., Southwestern College, 1932; M.D., Washington University, 1936.
*BERNARD SCHWARTZMAN  ...  Assistant in Clinical Pediatrics
A.B., Washington University, 1931; M.D., 1935.

*BERNARD HYNES CHARLES  ...  Assistant in Clinical Medicine
M.B., Ch.B., University of Edinburgh, 1934.

*TRUMAN GUTHRED DRAKE, JR.  ...  Assistant in Clinical Medicine
A.B., Washington University, 1929; M.D., 1933.

HERMAN HUTTO  ...  Assistant in Clinical Obstetrics and Gynecology
A.B., University of Alabama, 1932; M.D., Washington University, 1936.

*JAMES WILLIAM BAGBY  ...  Assistant in Clinical Dermatology
A.B., University of Missouri, 1930; B.S., 1931; M.D., Washington University, 1933.

*MORRIS DAVID MARCUS  ...  Assistant in Clinical Dermatology
M.D., Washington University, 1934.

CARL JACOB ALTHAUS  ...  Assistant in Clinical Genitourinary Surgery
M.D., St. Louis University, 1917.

HARRY CUTLER  ...  Assistant in Clinical Genitourinary Surgery
M.D., St. Louis University, 1930.

HAROLD HENRY FELLER  ...  Assistant in Clinical Genitourinary Surgery
M.D., Washington University, 1926.

JULES H. KOPP  ...  Assistant in Clinical Genitourinary Surgery
M.D., University of Arkansas, 1931.

BURCHARD SIMPSON PRUETT  ...  Assistant in Clinical Surgery
B.S., Washington University, 1929; M.D., 1929.

CARL J. HEIFETZ  ...  Assistant in Clinical Surgery
B.S., Washington University, 1929; M.D., 1929.

*BRUCE CARSON MARTIN  ...  Assistant in Clinical Surgery
M.D., Washington University, 1935.

*Loren Francis Blaney  ...  Assistant in Clinical Medicine
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ANDY HALL, JR.  ...  Assistant in Clinical Genitourinary Surgery
M.D., Washington University, 1926.

*GEORGE KALManson  ...  Assistant in Bacteriology and Immunology
B.S., College of the City of New York, 1934; M.S., University of Illinois, 1935; Ph.D., Washington University, 1939.

VIRGINIA MINNICH  ...  Research Assistant in Hematology in Medicine
B.S., Ohio State University, 1937; M.S., Iowa State College, 1938.

HAROLD K. ROBERTS  ...  Assistant in Clinical Medicine
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*JOHN HARRISON WEDIG  ...  Assistant in Clinical Medicine
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WILLARD TERRILL BARNHART  ...  Assistant in Clinical Genitourinary Surgery
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ANTHONY KARL BUSCH  ...  Assistant in Clinical Psychiatry
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*ADOLPH HENRY CONRAD, JR.  ...  Assistant in Clinical Dermatology
A.B., Washington University, 1934; M.D., 1938.
*Philip Shannon Mountjoy  .  .  .  .  .  .  Assistant in Clinical Otolaryngology  
A.B., Washington University, 1933; M.D., 1937.

*Alfred Fleishman  .  .  .  .  .  .  .  .  .  Assistant in Clinical Medicine  
B.S., Washington University, 1935; M.D., 1938.

*Stanley Forrest Hampton  .  .  .  .  .  .  Assistant in Clinical Medicine  
A.B., Washington and Lee University, 1930; M.D., Washington University, 1934.

*Virgil Otto Fish  .  .  .  .  .  .  .  .  .  Assistant in Clinical Surgery  
M.D., Washington University, 1930.

Gerhard Elias Gruenfeld  .  .  .  .  .  .  Assistant in Clinical Surgery  
M.D., Friedrich-Wilhelms University, 1923.

*Paul Tupper Hartman  .  .  .  .  .  .  .  Assistant in Clinical Psychiatry  
A.B., Washington University, 1934; M.D., 1938.

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Ph.B., Yale University, 1929; M.D., Washington University, 1938.

*Theodor Engelmann Kircher, Jr.  .  .  .  .  Assistant in Clinical Medicine  
A.B., Yale University, 1933; M.D., Washington University, 1937.

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A.B., University of Kansas, 1932; M.D., Tulane University, 1936.

*Virray Papin Blair, Jr.  .  .  .  .  .  .  Assistant in Surgery  
M.D., Washington University, 1939.

*Russell J. Crider  .  .  .  .  .  .  .  .  .  Assistant in Surgery  
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*Sydney Thurman Wright  .  .  .  .  .  .  Assistant in Medicine  
A.B., Fresno State College, 1935; B.S., Washington University, 1940; M.D.,  
1940.

*Melvin B. Kirstein  .  .  .  .  .  .  .  .  Assistant in Clinical Medicine  
B.S., Indiana University, 1930; M.D., 1933.

Marianne Kuttner  .  .  .  .  .  .  .  .  Assistant in Clinical Pediatrics  
M.D., Johann Wolfgang Goethe University (Frankfurt on Main), 1931.

*Robert Ralph Anschuetz  .  .  .  .  .  .  Assistant in Pathology  
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*ROBERT JEROME COOK  .  .  .  .  .  .  .  Assistant in Medicine
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*FRANCIS RICHARD CROUCH . . . . . Assistant in Clinical Medicine
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*GLEN PARNELL KALLENBACH . . . Assistant in Clinical Medicine
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*HENRY PETER LATTUADA . . . Assistant in Obstetrics and Gynecology
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*JOE MARION PARKER . . . . . . Assistant in Surgery
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*HENRY SCHWARZ II . . . . . . Assistant in Surgery
B.S., in Med. Sci., Washington University, 1941; M.D., 1941.

*WILLIAM WOODROW STANBRO . . Assistant in Clinical Medicine
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*HAROLD CUTLER . . . . . . . . . . . Assistant in Otolaryngology
M.D., Tufts College, 1937.

*ARTHUR CHARLES DARROW, JR. . Assistant in Clinical Medicine
A.B., Denison University, 1932; M.D., Washington University, 1936.

*ROBERT DEAN MATTIS . . . . . Assistant in Clinical Ophthalmology
B.S., St. Louis University, 1936; M.D., 1937.

*ROBERT ERVIN BUCK . . . . . Assistant in Medicine
B.S., South Dakota State College, 1935; B.S. in Med., University of South Dakota, 1938; M.D., Washington University, 1941.

*MINOT PACKER FRYER . . . . . . Assistant in Surgery
A.B., Brown University, 1936; M.D., Johns Hopkins University, 1940.

*DAVID GOLDRING . . . . . . . . . . . Assistant in Pediatrics
A.B., Washington University, 1936; M.D., 1940.

*WILLIAM DAVIS HAWKER . . Assistant in Clinical Obstetrics and
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B.S., Shurtleff College, 1933; M.D., Washington University, 1938.

*ALBERT INGRAM LANSING . . . . Assistant in Anatomy
A.B., University of Pennsylvania, 1937; Ph.D., Indiana University, 1941.

FRANCES MARSHALL LOVE . . . . . . Assistant in Pediatrics
A.B., Rice Institute, 1937; M.D., Washington University, 1942.

*JOHN HENRY MAYER, JR. . . . . . Assistant in Surgery
M.D., Cornell University, 1939.

*BENJAMIN MILDER . . . . . . . . . Assistant in Clinical Ophthalmology
M.D., Washington University, 1939.

*WILLIAM ROBERTSON OAKES . . . Assistant in Surgery
M.D., Yale University, 1940.

*DAVID BERNARD ROSEHILL . . . Assistant in Clinical Ophthalmology
M.D., University of Toronto, 1935.

*SIMON RUSSI . . . . . . . . . . . Assistant in Pathology
M.D., Royal University of Modena (Italy), 1935.
ANNE CARLTON TOMPKINS GOETSCH . . . . Assistant in Medicine
B.S., Union University, 1938; M.D., Washington University, 1941.

FRANCES KEESELER GRAHAM . . . . Assistant in Medical Psychology
B.A., Pennsylvania State College, 1938; Ph.D., Yale University, 1942.

CHARLES EDWARD GILLILAND . . . . Assistant in Clinical Medicine
B.S., University of Texas, 1917; M.D., University of Kansas, 1911.

FRANZ LEIDLER1 . . . . . . . . . . . Assistant in Pathology
M.S., Kansas State College, 1941; M.D., University of Vienna, 1938.

*FRANK W. STEPHENS . . . . . . . . Assistant in Neuropsychiatry
M.D., Vanderbilt University, 1941.

*HAROLD EUGENE EISELE . . . . . . . . Assistant in Surgery
A.B., University of Texas, 1936; M.D., Johns Hopkins University, 1940.

*FREDERICK WILLIAM KLINGE . . . . . . . . Assistant in Surgery
A.B., University of Missouri, 1938; M.D., Washington University, 1942.

*EDWARD OTTO KRAFT, JR. . . . . . . . . Assistant in Surgery
M.D., Washington University, 1942.

*GORDON SPARKS LETTERMAN . . . . . . . . Assistant in Surgery
A.B., Washington University, 1937; B.S., 1940; M.D., 1941.

*CHARLES ELLSWORTH LOCKHART . . . . . . . . Assistant in Surgery
A.B., Illinois College, 1938; M.D., Washington University, 1942.

*CHARLES BARBER MUELLER . . . . . . . . Assistant in Surgery
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*D. ELLIOTT O’REILLY . . . . . . . . Assistant in Surgery
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*MORDANT EMORY PECK . . . . . . . . Assistant in Surgery
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*WILLIAM GEORGE REESE . . . . . . . . Assistant in Neuropsychiatry
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FRANZ ULRICH STEINBERG2 . . . . . . . . Assistant in Clinical Medicine
M.D., University of Berne (Switzerland), 1938.

EDWIN WILTZ EDWARDS2 . . . . . . . . Assistant in Pathology and in Radiology
B.S., Millsaps College, 1939; M.D., Tulane University, 1943.

CYRIL JOSEPH COSTELLO3 . . . . . . . . Assistant in Surgery
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ANNA REUBENIA DUBACH . . . . . . . . Research Assistant in Medicine
A.B., Bryn Mawr College, 1919; M.S., University of Colorado, 1935; Ph.D.,
1938.

CHARLES MASON HUGULEY, JR. . . . . . . . . Assistant in Medicine
A.B., Emory University, 1938; M.D., Washington University, 1942.

MARY CHAPMAN JOHNSON . . . . . . . . Research Assistant in Medicine
A.B., Washington University, 1938.

FRANCES RENKO KIMURA . . . . . . . . Assistant in Bacteriology and Immunology
A.B., University of California, 1937; M.A., 1940.

1 Resigned, July 31, 1944.
2 Resigned, September 30, 1944.
3 Resigned, October 31, 1944.
WILLIAM GENE GINGBERG  Assistant in Pediatrics
A.B., Municipal University of Wichita, 1938; M.D., Washington University, 1943.

ROBERT M. RANKIN1  Assistant in Surgery
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JOSEPH LEO RUBEL2  Assistant in Pediatrics
A.B., University of Alabama, 1938; M.D., Washington University, 1942.

SAMUEL J. HAYWARD  Research Assistant in Obstetrics and Gynecology Pathology

FLORENCE MARY HEYS  Research Assistant in Pediatrics
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MARY RUTH SMITH  Research Assistant in Medicine
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LLEWELLYN SALE, JR.  Assistant in Medicine
A.B., Yale College, 1936; M.D., Washington University, 1940.

ROBERT SALOMON REISS1  Research Assistant in Medicine
M.D., Johns Hopkins University, 1941.

JAMES LYNN McCorry  Assistant in Otolaryngology
M.D., Baylor University, 1938.

JACK MEHL BURNETT1  Assistant in Pathology
A.B., Kansas State Teachers College (Pittsburg), 1935; M.S., 1936; M.D., Johns Hopkins University, 1943.

HUGH VINCENT ASHLEY, JR.1  Assistant in Surgery
A.B., University of Missouri, 1939; M.D., Washington University, 1943.

THOMAS WILLIAM BLACK2  Assistant in Otolaryngology
A.B., Texas Christian University, 1937; M.D., Washington University, 1941.

EUNICE ELIZABETH BRYAN  Assistant in Pediatrics
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NORMAN RONALD CHAN-PONG3  Assistant in Clinical Ophthalmology
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B.S., University of Illinois, 1936; D.Sc., Johns Hopkins University, 1940; M.D., Washington University, 1943.

1 Resigned, September 30, 1944.
2 Resigned, July 15, 1944.
3 July 1 to December 31, 1944.
4 Resigned, October 21, 1944.
George Richard Magee1 Assistant in Ophthalmology
M.D., University of California, 1928.

William H. Masters Assistant in Obstetrics and Gynecology
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Richard Thomas Odell Assistant in Surgery
A.B., Westminster College, 1935; B.S., University of Missouri, 1941; M.D., Washington University, 1942.

James Louis Petry2 Assistant in Surgery
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Howard C. Slaughter Assistant in Clinical Ophthalmology
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Ralph Ogilvy Smith Assistant in Medicine
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Frances Mary Sullivan Assistant in Medicine
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*Ralph B. Wolf Assistant in Obstetrics and Gynecology
B.S., Massachusetts Institute of Technology, 1935; M.D., University of Rochester, 1939.

Gerard Fountain Assistant in Neuropsychiatry
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Leonard Jay Gallant3 Assistant in Neuropsychiatry
A.B., University of Rochester, 1940; M.D., 1943.

Warren Benjamin Mills3 Assistant in Neuropsychiatry
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James Allan Read1 Assistant in Radiology
A.B., Albion College, 1939; M.D., Washington University, 1943.

Foyell Pennington Smith2 Assistant in Obstetrics and Gynecology
A.B., University of North Carolina, 1939; M.D., Washington University, 1942.

George W. Colleen2 Assistant in Clinical Medicine
B.S., University of Minnesota, 1930; B.M., 1941; M.D., 1942.

Lucille L. Spitz Psychologist in the Department of Neuropsychiatry
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Israel Jerome Flance Assistant in Clinical Medicine
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*E. Norris Robertson Assistant in Clinical Ophthalmology
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Francis Ross McFadden Assistant in Obstetrics and Gynecology
A.B., State University of Iowa, 1940; M.D., 1945.

David English Smith, Jr.3 Assistant in Pathology
A.B., Central College, 1941; M.D., Washington University, 1944.

1 July 1 to December 31, 1944.
2 July 1 to September 30, 1944.
3 Effective, October 1, 1944.
ESTHER STURGEON
A.B., University of Southern California, 1935; M.D., 1939.

Sol Spiegelman
B.S., College of City of New York, 1940; Ph.D., Washington University, 1944.

Dorothy Marie Ziegler
B.A., Mount Holyoke College, 1940; M.A., 1942.

Barbara Watson
A.B., Cornell University, 1941.

Edwin E. Garrett
B.S., Dakota Wesleyan College, 1936; M.D., University of Texas, 1943.

Louise C. Miller
A.B., College of City of New York, 1940; Ph.D., Washington University, 1944.

Norma Jean Peterson
A.B., Coe College, 1941.

David Blanchet
M.D., University of Rochester, 1943.

Dorothy Mildred Case
M.D., Washington University, 1943.

Gerald John Conlin, Jr.
M.D., Washington University, 1943.

Alfred Mills Decker, Jr.
A.B., University of Rochester, 1940; M.D., 1943.

James Nickolas Etteldorf
Ph.C., South Dakota State College, 1931; B.S., 1932; M.S., University of Tennessee, 1934; M.D., 1942.

Jane Arax Erganian
A.B., Washington University, 1937; M.D., 1941.

Yasuyuki Fukushima
B.S., University of Hawaii, 1940; M.D., Washington University, 1943.

Louis August Gottschalk
A.B., Washington University, 1940; M.D., 1943.

David Tredway Graham
A.B., Princeton University, 1938; M.A., Yule University, 1941; M.D., Washington University, 1943.

Edwin Gerhard Krebs
A.B., University of Illinois, 1940; M.D., Washington University, 1943.

Moise D. Levy, Jr.
B.A., University of Texas, 1939; M.D., 1942.

William M. Mundy
A.B., University of Michigan, 1939; M.D., Harvard University, 1943.

Joseph C. Peden
A.B., Harvard University, 1940; M.D., 1943.

Karl Ramsay Schladeeman
B.S., Washington State College, 1937; M.D., Northwestern University, 1941.

Peter Thomas
M.D., University of Arkansas, 1942.

1 August 1, 1944 to January 31, 1945.
2 Effective, August 1, 1943.
3 Effective, October 1, 1944.
THE SCHOOL OF MEDICINE

PHILIP T. SHAHAN 7  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Ophthalmology
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PHILIP ACKERMAN 6  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Research Assistant in Clinical Medicine
B.S., University of Oregon, 1931; Ph.D., Johns Hopkins University, 1936.

HERBERT CARL FRITZ 4  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Clinical Medicine
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A.B., Washington University, 1929; M.D., 1943.

FELLOWS

LEOPOLD HOFSTATTER  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Research Fellow in Neuropsychiatry
M.D., University of Vienna, 1926.

*THOMAS HANNAHAN BURFORD  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Chest Surgery
A.B., University of Missouri, 1931; B.S., 1933; M.D., Yale University, 1938.

*LAWRENCE MILTON SHEFTS  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Chest Surgery
A.B., University of Oklahoma, 1930; M.D., Rush Medical College, 1934.

MARIO BESSO PIANETTO  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Pan-American Union Visiting Fellow in
Chest Surgery
M.D., Litoral University (Argentina), 1937.

ANIBAL ROBERTO VALLE 4  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Chest Surgery
M.D., National University of Buenos Aires, 1933.

W. W. PETTUS 2  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Visiting Fellow in Chest Surgery
M.D., Yale University, 1937.

GERARDO PENA-ASTUDILLO 3  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Obstetrics and Gynecology
A.B., University of Azuay, (Ecuador), 1928; M.D., University of Guayaquil, (Ecuador), 1936.

ALPHONSE GAITAN Y NIETO 4  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Kellogg Fellow in Ophthalmology
M.D., National University of Colombia, 1936.

OSLER ALMON ABBOTT 4  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Chest Surgery
B.A., Princeton University, 1935; M.D., Johns Hopkins University, 1937.

RUY LAUER SIMOES 4  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Histology
M.D., University of Porto Alegre (Brazil), 1943.

EURYCLIDES DE JESUS ZERRINI  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Chest Surgery
M.D., University of Sao Paulo (Brazil), 1935.

HAROLDO RENAUT DE OLIVEIRA 6  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Fellow in Chest Surgery
M.D., University of Rio De Janeiro (Brazil), 1942.

1 Resigned August 31, 1944.
2 Resigned September 30, 1944.
3 Effective September 17, 1944.
4 Effective October 1, 1944.
5 October 16, 1944 to April 15, 1945.
6 Effective December 1, 1944.
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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,” which after successful operation as separate institutions for nearly fifty years were united in 1899 to form the Medical School of Washington University. Accounts of the history of these pioneer 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 St. Louis Medical College first became affiliated with the University in 1891, when an association of the faculty known as the Medical Fund Society contributed funds for the erection and equipment of the building at 1806 Locust Street, which housed the laboratories and outpatient dispensary until 1914 when the school moved to its present site. The name of the St. Louis Medical College was retained until joined in 1899 by the Missouri Medical College, the union forming the present Medical School.

Union of the two schools under University auspices provided a larger faculty, more adequate laboratory, dispensary and hospital facilities. Additional equipment became available for teaching and investigation; the curriculum was lengthened and improved. The building of the Missouri Medical College on Jefferson Avenue was remodeled as a University Hospital, including a new maternity department; the Polyclinic Hospital became the University Dispensary. An affiliation was formed with the Martha Parsons Hospital for Children. A Training School for Nurses was established.

In 1910 an extensive reorganization and development of the school was undertaken under the inspired leadership of Robert Somers Brookings, President of the Corporation. With the aid of funds contributed by Mr. Brookings and other philanthropic citizens of St. Louis, and with full cooperation of the faculty of the school, new heads and staffs were appointed in all major departments, to devote themselves wholly to teaching and research. Associated clinical teachers were chosen from the medical profession of St. Louis. Affiliations were entered into with the trustees of the Barnes Hospital Bequest and with the St. Louis Children's Hospital, looking toward the erection of a new medical center that would provide in one closely coordinated plant superior facilities for the treatment of patients, for teaching of medical students and for experimental and clinical investigation in every branch of medical science.

1 A brief historical statement of other departments of the University appears in the bulletin of the College of Liberal Arts.
An executive faculty was established, composed of the heads of departments, to plan the new organization of the school and to direct its conduct. During the planning and erection of the new laboratory and hospital buildings, the reorganized school continued to occupy the building on Locust Street and the University Hospital and Dispensary on Jefferson Avenue.

In 1914 the Medical School moved to the new site on Kingshighway. The Medical Center then comprised the Robert A. Barnes Hospital, the St. Louis Children's Hospital and the Medical School. The St. Louis Maternity Hospital became affiliated with the Medical Center and erected its 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.

THE MEDICAL SCHOOL BUILDINGS

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 contains the laboratories of Ophthalmology and Laryngology and at present houses also research laboratories of Medicine, Neuropsychiatry and Biophysics.

THE HOSPITALS AND LABORATORIES OF THE MEDICAL CENTER

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. Each hospital contains class rooms and laboratories used by students and staffs.

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.

In the Barnes Hospital there are 425 beds, of which number about one-half are in wards used for undergraduate teaching in medicine and surgery, with services also for gynecology, ophthalmology and otolaryngology. In the surgical pavilion of this hospital is performed also most of the operative surgery for the patients in the Children’s Hospital. By a new arrangement, the Barnes Hospital conducts a central diagnostic laboratory, under direction of the Medical School Staff, which serves patients in all the Hospitals and the Clinics except for certain procedures carried out locally. The Barnes Hospital operates also a cafeteria for all staffs, nurses and students working in the Medical Center.

The Children’s Hospital provides 200 beds and houses also the laboratories of the department of pediatrics. In the Country Department near Valley Park about sixty convalescent children are cared for.

The Maternity Hospital has quarters for 100 mothers and corresponding facilities for the new-born, the latter under the charge of the department of pediatrics. The Hospital provides also the headquarters and laboratories of the department of obstetrics.

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 endowment 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. An important research activity of the Institute is operation of the Cyclotron, located on the campus of the University, and the study of biological and medical effects of radioactive isotopes and of the neutron beam.

The McMillan Hospital for Eye, Ear, Nose and Throat has been conducted until recently only for out-patients in the McMillan Clinics, located on two lower floors of the building; services for bed-patients having been provided in the Barnes and Children’s Hospitals. During 1943, the unfinished floors of McMillan Hospital were completed and equipped with the aid of a Government grant made for an expansion of hospital facilities in St. Louis. The hospital was opened on October 15, 1943 and is conducted for the University and the McMillan Board as a division of the Barnes Hospital. The completion of McMillan Hospital provides about 150 additional beds with appropriate treatment and operating rooms for the services of Ophthalmology and Otolaryngology and also a separate section for neuropsychiatric and medical patients requiring special forms of treatment. By liberating an equal number of beds in other institutions this development affords an increase of facilities
for all of the affiliated hospitals, with greater economy and efficiency.

The Oscar Johnson Institute, which occupies the five upper floors of the McMillan Hospital-Institute Building, is primarily the research and teaching laboratories for the departments of ophthalmology and oto-laryngology. The Institute also houses research laboratories used temporarily by the departments of internal medicine, bio-physics, and neuro-psychiatry.

The University Clinics, housed mainly in the Clinics-Pathology Building, functions as the united out-patient department for ward patients of all of the Hospitals of the Medical Center, and also as the headquarters for the application of preventive medicine to its large clientele. (Separate "doctors' offices" are provided in each Hospital for examination and treatment of ambulant private patients.) The number of patient-visits per day in all divisions of the Clinics is about 460. A large part of the clinical teaching with ambulant patients is carried out in the several divisions of the Clinics.

The St. Louis City Hospitals are also utilized for both undergraduate and graduate teaching. The Medical School nominates the staffs for one division of the City Hospital, of the Bliss Psychiatric Institute, and of the Homer Phillips Hospital. The Isolation Hospital (for contagious diseases) and the City Sanitarium (for mental diseases) are also used for study and teaching in these subjects.

Instruction is given also in the St. Louis Shriners' Hospital for Crippled Children and in the Jewish Hospital.

LIBRARY

The Library contains (October 1, 1944) 61,732 bound volumes and receives 648 medical periodicals, selected with reference to the needs of students and investigators.

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 8:30 a. m. to 10:00 p. m.

Other libraries in St. Louis containing literature relating to medicine are available to students.

LECTURESHPHIS

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 Lecture-ship Fund "for the purpose of fostering greater appreciation of the study of human anatomy in relation to the teaching and practice of medicine."
THE WAR-TIME PROGRAM

As announced in preceding issues of this bulletin the normal academic schedules of the School of Medicine and also its pre-professional requirements for admission were suspended in June 1942; for the adoption, in conformance with similar action by other universities and medical schools, of a uniform accelerated program made necessary by the war emergency.

The war-time program, based upon plans formulated by the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association, in collaboration with representatives of the Army and Navy, has been in operation since July 1942. This program provides for the admission of new classes of medical students at intervals of nine months following completion of pre-medical programs directed by the Army or Navy. For civilian students the minimum entrance requirement was set at sixty semester hours of college credits including certain specified courses.

The medical school curriculum was accelerated by making it continuous, four quarters of twelve weeks each being completed in a calendar year. The full course of four academic years is thereby covered in thirty-six months. The period of the internship was later reduced from twelve to nine months. The total time saved by this condensation of basic instruction for medicine is at least two and three-quarters years; actually for many students it is about four years. For those young men and women who mature quickly with responsibility and experience these years saved are a gain of great value; for those who do not, it may be a great loss. A more elastic system would be better for both types.

The accelerated program will doubtless be continued as long as the military situation makes it necessary for Army and Navy trainees. When the restrictions imposed by national requirements can be relaxed it is the desire of this faculty to begin as promptly as possible a revision of its programs for medical education. That revision will not be merely a reversion to pre-war standards, schedules and curricula; but rather a revamping of aims and purposes, a change of both content and method of instruction, with greater attention to development of individual talent and the requirement of higher individual attainment.

NEXTENTERINGCLASS

With the next entering class the faculty of this School hopes to begin a transition toward a post-war program. In accord with action taken at the last meeting of the Association of American Medical Colleges and with the consent of Army and Navy officials, the next class will be admitted on September 27, 1945. Thereafter it is expected that classes will enter only at the beginning of the fall quarter. For the present it is assumed that after admission the accelerated schedule may be obligatory for all students; but when possible a less concentrated program will be arranged for civilian students who desire it.

About half of the places in the next entering class are reserved for
students selected from those who complete satisfactorily the pre-medical courses of the Army and Navy Specialized Training Program. Members of Army or Navy pre-medical units who desire to become applicants may indicate this School among the preferences allowed when the application forms are filled out. Information will be furnished on request from students in these groups or from their advisers, but applications for admission must be submitted through military channels. A member of the Admission Committee of the School participates in the selection of Army and Navy candidates accepted for the study of medicine, but the School cannot give direct acceptance to these individuals.

About forty places in the next entering class are open to civilian students. Applications from civilian students should be sent directly to the Medical School. In judging the qualifications of candidates in both groups preference is given to those with the highest rating based upon personal qualities as well as upon scholastic accomplishment.

**ENTRANCE REQUIREMENTS**

The qualifications required for admission to the study of medicine in this School are of two sorts: suitable personal qualities as to character, attitude and interest; and evidence of intellectual ability and achievement, indicated by satisfactory performance of certain scholastic work.

For Army and Navy students the scholastic requirement is satisfied by the successful completion of the pre-medical program of these military services.

For civilian applicants completion of at least three years of college courses will be expected before beginning the study of medicine. Because of the short notice this change is not made a minimum requirement for 1945; but preference will be given to more mature applicants with sound college preparation.

The college courses must have been taken in an approved college or university and completed with grades indicating both aptitude and satisfactory performance of the work. The college course must include:

a. A knowledge of English such as is required by approved colleges. The need for facility in the accurate and discriminating use of English deserves emphasis.

b. A knowledge of the principles of inorganic and organic chemistry. The laboratory work must include practice in the elements of volumetric analysis and in the simpler manipulations of organic chemistry.

c. A knowledge of the principles of physics. The course should include laboratory work of quantitative character and be preceded or accompanied by appropriate instruction in mathematics.

d. A knowledge of the principles of general biology, afforded by a course or courses with laboratory work.

With the object of aiding pre-medical students (and their advisers) in their selection of college courses the following comments are offered.
Medicine is concerned with such a variety of community, social and individual problems as to demand of all entering this profession a cultural background as well as a technical education. 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.

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 concentrate 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 may be 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.

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.

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

Applications for admission should be filed as early as possible, preferably by March 1 of the year during which admission is sought.

Within ten days after notification of acceptance, all civilian 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.

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.

Notice is sent to accepted applicants of the date of registration. Failure to register on the day designated may result in loss of place in the class unless the Registrar is notified in advance and postponement is allowed.
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. Only 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. This deposit payment will be waived for applicants on military status.

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.

Admission to advanced classes will usually be allowed only at the beginning of the academic year. In 1945 that falls on July 9 for the second and third classes.

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 not accepted 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 postgraduate courses are offered in several departments concerning which full information will be given upon request. (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 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. Final examinations are held at the close of each academic year.

(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, Histology and Neuroanatomy, Biochemistry.

Second Year: Physiology, Bacteriology, Pathology, Pharmacology, Medicine, Surgery (½).

Third Year: Medicine, Neuropsychiatry, Obstetrics and Gynecology, Surgery, Public Health (½).

Fourth Year: Medicine, Obstetrics and Gynecology, Pediatrics, Surgery, Ophthalmology (½), Otolaryngology (½).

(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 the third year objective examination (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. 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 Scholar-
ships 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 a written comprehensive examination of the objective type, during the third year. This examination will test the student's ability to correlate the preclinical sciences with the clinical sciences as well as the subject matter of the third year. Examinations are held under the direction of the committee on promotion for the third year.

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

The comprehensive examination does not replace departmental examinations. A student who, because of poor quality of work or conduct, is judged by a 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 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 classes. They must have discharged all current indebtedness to the University.

At the end of the fourth academic term, 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 who enter the School of Medicine with a minimum of ninety semester hours of work 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 research in the medical sciences and the preparation of an acceptable thesis, which must be presented to the head of the department concerned at least one month before 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 academic 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 Intern Advisers, concerning the character of the services offered by various hospitals and the selection of the hospital of his choice. The Intern Advisers also advise 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.

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.

ALPHA OMEGA ALPHA FRATERNITY PRIZE FOR STUDENT RESEARCH amounting to twenty-five dollars is awarded to the student who submits the best thesis on a research problem.

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.

THE SIDNEY I. SCHWAB BOOK PRIZES are awarded at the end of the third year to members of that class for general excellence in neurology and psychiatry.

THE NU SIGMA NU AWARDS of twenty-five dollars each are awarded to the outstanding members of the first and second year classes.

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." During recent years, the income of this fund has been devoted to Honor Scholarships named for the donor as well as to fellowship and loan funds for needy students.

The number of Honor Scholarships awarded is now much reduced, but a few may be available for exceptionally able applicants.

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 scholarship 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.

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 may be awarded for one year to a graduate of the School, preferably a woman, for postgraduate study.

THE GEORGE F. GILL SCHOLARSHIP, instituted in memory of a former 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. The annual income from a bequest of the late Mrs. Eliza McMillan provides a scholarship of about $200 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. Roblee, the income from the Joseph H. Roblee Scholarship Endowment Fund of $12,000 maintains two scholarships. 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. 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 the late 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.

W. K. Kellogg Foundation Scholarship and Loan Fund. A generous gift has been made to this and other universities by the W. K. Kellogg Foundation to provide financial assistance to well qualified medical students in need of such aid. A limited number of scholarships and loans are available from this fund.

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 will be held quarterly during the war emergency. Registration will be held during 1945 on January 2, March 19, July 9, September 24 and December 10. The first year class which enters in September, 1945 will register on September 27. Registration for the second trimester for this class will be held on January 2, 1946. Registration for new junior students will be held on July 9, 1945.

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.

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. In general, 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. The tuition fee for undergraduate medical students before the war-time accelerated program was $500 for the academic year of 33 weeks.

To comply with requirements of the Army and Navy educational programs for medicine, the schedule for an "academic year" covering the work of each class is extended to 36 weeks, or 48 weeks of instruction in a calendar year. For this schedule, the tuition fee is $750 for four quarters in each calendar year. Installments each of $187.50 are payable at the beginning of each quarter.

LABORATORY FEES. To cover the cost of materials furnished and consumed, including breakage, a breakage deposit has formerly been required. This charge is now met by laboratory fees collected each term from the first and second classes: $6.00 for the first year, $12.00 for the second. Additional charges may be made to individual students to cover damage caused by carelessness to University property.

HEALTH SERVICE. A health service fee of $10.50 per quarter is charged to all students. This fee covers complete medical examination on entering the School and continued medical care including all necessary hospital costs, drugs and limited dental service. The services of the physician to students are available at all times for consultation at the Student Health Clinic and for home calls when needed. Hospital care is provided in the services of the Barnes Hospital. It is the aim of the staff to watch and safeguard the health of every student in the School.
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.

Microscope and Diagnostic Instruments
Each student entering the Freshman class is required to possess a standard microscope equipped with a substage light. These instruments are available for rental to students at a charge of $17.00 per academic year. In addition a deposit of $50.00 is required. 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.
Some of the required instruments, books and supplies are furnished to Army and Navy students by these services.

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>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$750.00</td>
</tr>
<tr>
<td>Laboratory Fees</td>
<td>12.00</td>
</tr>
<tr>
<td>Matriculation Fee (payable once)</td>
<td>5.00</td>
</tr>
<tr>
<td>Health Service Fee</td>
<td>42.00</td>
</tr>
<tr>
<td>Books and Instruments</td>
<td>$75.00 to 150.00</td>
</tr>
<tr>
<td>Room and Board (from $7.00 to $15.00 a week)</td>
<td>$364.00 to 780.00</td>
</tr>
<tr>
<td></td>
<td>$1236.00 to $1739.00</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 $30.00 per quarter, payable in advance, at registration. 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

The course of study for candidates for the degree of Doctor of Medicine in all medical schools is designed as a basic preparation for the practice of medicine. As interpreted in this school, the basic preparation for a career in any field of medicine must include first of all an introduction to the principles of the medical sciences. There are reasons for strong emphasis on this point of view.

The phenomenal advances that characterize modern medicine and promise its continued progress for human betterment are the outgrowth of systematic experiments rather than merely of individual observation, experience and skill. A fusion of accumulated systematic knowledge, the medical sciences, with the arts of medical practice constitute medicine of today and tomorrow. Orderly information in terms of the scientific principles involved, acquired by those having an inclination to apply them to practical problems, furnishes an attitude of mind, as well as a factual background that are essential to the study of clinical medicine.

The technical knowledge that has created modern medicine will surely continue to grow. Medical students must, therefore, form the habit of keeping up with new developments, of preparing themselves for the continued study of the medical sciences; without that habit and preparation, the subsequent progress of medicine will bring obsolescence to the individual. These ideas pervade the spirit of the medical science courses giving during the first and second years.

Before entering upon the examination and study of patients who exhibit and illustrate the phenomena of health and disease treated by the medical sciences, the student must become acquainted with and acquire practice in techniques of clinical examination. This beginning experience is gained mainly from the conjoint courses given by teachers from several clinical departments during the second year.

With this preparation the student is ready, when he enters the third year class, to begin the observation and study—first hand—of a variety of manifestations of health and disease as seen and cared for in clinics and hospitals. This clinical instruction occupies the third and fourth years. It consists mainly of a series of clerkships in wards of hospitals and out-patients services, supplemented by systematic courses of lectures and clinical conferences.

It is this planned sequence of scientific and practical training, combined with individual experience of student with patients, under guidance of clinical teachers who are also physicians and surgeons, that characterize the basic professional course in medicine.

Because every medical student, irrespective of the field or specialty of medicine in which he may desire or expect to practice, must become first a broadly trained doctor of medicine, nearly all courses of the undergraduate medical curriculum are obligatory. At the same time all students are encouraged to cultivate their individual interests and talents by special study of subjects or topics of their own selection. For
this purpose several half days are left free in the class schedules; during which able students may do additional work in subjects of their greatest interest. In the senior year eight weeks are set aside for elective courses or for research. The opportunity for special study is afforded in every department of the school.

The academic term of thirty-six weeks for each of the four courses is divided into three trimesters of eleven weeks, followed by a reading period of three weeks for the first three classes; the senior year is divided into four quarters of eight weeks each followed by a reading period of four weeks. The program is an intensive one, and demands the full time and best efforts of students. They are discouraged from attempting outside work or employment during the sessions.

COURSES OF INSTRUCTION

CONJOINT MEDICINE

The several courses given by the clinical departments during the sophomore year have been placed under the supervision of a Committee on Conjoint Medicine in order that teaching might be coordinated effectively. Even though individual courses are listed in the catalogue under departmental headings, representatives of several departments participate in the presentation of material. For instance, physical diagnosis (see under Medicine) is taught jointly by the Departments of Medicine, Neuropsychiatry, Obstetrics and Gynecology, Ophthalmology, Otolaryngology and Pediatrics. Lectures in “Applied Pathologic Physiology” are correlated, as far as possible, with the subject matter being considered in Physical Diagnosis and Clinical Chemistry and Microscopy. The number of hours allotted to each department in the conjoint courses is included in the listing of courses under the respective departmental headings. The following courses are included in this arrangement:

Medicine: Physical Diagnosis
Applied Pathologic Physiology
Clinical Chemistry and Microscopy
Neuropsychiatry: Introductory Course on the Patient-Physician Relationship
Neurological Examination in Physical Diagnosis
Obstetrics and Gynecology: Introduction to Obstetrics
Ophthalmology: Introduction to Ophthalmology
Otolaryngology and Physical Diagnosis
Surgery: Introduction to Surgery
ANATOMY

PROFESSOR COWDRY.
PROFESSOR EMERITUS TERRY.
ASSOCIATE PROFESSORS TROTTER, O'LEARY,* CHARLES.
VISITING ASSOCIATE PROFESSOR PATEK.
ASSISTANT PROFESSOR VAN DYKE.
RESEARCH ASSOCIATES CRAMER, SIMPSON, SUNTZEFF, TATUM.¹
INSTRUCTORS BARTLETT,* EVANS,* CARRUTHERS, LEYDIG, MILES.²
ASSISTANTS LANSING,* ZIEGLER.
FELLOW SIMOES.³

The anatomical sciences are presented in three regular required courses (gross anatomy, histology and neurology). These are supplemented by special lectures and demonstrations by members of other departments. Facilities are provided for special work in gross anatomy, embryology, hematology, endocrinology and cytology. The Anatomical Collection, prepared during many years under the supervision of Dr. Terry, includes 1500 skeletons extensively documented and offers unsurpassed opportunities for research in physical anthropology. Once a week moving picture films are presented.

FIRST YEAR

10 (501 and 502). GROSS ANATOMY. Each student dissects one-half of the human body and is encouraged to learn as much as possible from the living subject. Extensive use is made of a wide variety of specimens displayed in the Anatomical Museum. Occasional attendance at autopsies is recommended. X-ray films are regularly examined and demonstrations on the living subject are made under the fluoroscope. Special attention is given to surface anatomy, the students using each other as subjects. Lectures are correlated with the dissection. 330 hours.

(Drs. Trotter, Charles, Patek, Miles, Ziegler)

11 (506). HISTOLOGY. A laboratory course occupying five mornings a week during the first trimester. Special attention is paid to the study of living tissues to the correlation of gross and microscopic structure and to embryological considerations. There are two lectures a week and many informal discussions in the laboratories. 189 hours.

(Drs. Cowdry, Van Dyke, Carruthers, Suntzeff)

12 (507). NEUROLOGY. A laboratory course in gross and microscopical anatomy of the nervous system occupying five mornings a week. Three weekly lectures are devoted to subjects not easily presented by work in the laboratory. 105 hours.

(Drs. Bishop, Van Dyke, Russell)

Note—The numbers in parentheses indicate that the course carries credit in the School of Graduate Studies and may be found under that number in the bulletin of that school.

* In Military Service.
¹ October 1, 1944 to January 31, 1945.
² Effective October 1, 1944.
³ October 1, 1944 to June 30, 1945.
⁴ Professor of Biophysics.
THIRD YEAR

30. 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, Leydig, and special demonstrators)

ELECTIVE COURSES

50. 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. Hours to be arranged.

51. Dissection. Opportunities are offered at any time excepting August and September 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.

52. Advanced Work in Gross Anatomy, Histology, Cytology, Embryology, Neurology and Physical Anthropology. A study of the literature on certain selected problems accompanied by individual laboratory work. Hours to be arranged.

53. Research. Properly qualified individuals are encouraged to carry on research in the anatomical sciences. (See Bulletin of The School of Graduate Studies.)

BIOLOGICAL CHEMISTRY

PROFESSOR SHAFFER.
PROFESSOR C. F. CORI.
ASSOCIATE PROFESSOR GERTY T. CORI.
ASSISTANT PROFESSORS ETHEL RONZONI BISHOP, GREEN, TAYLOR.
INSTRUCTORS FREIBERG, PREISLER, * COLOWICK, REITHEL.
RESEARCH ASSOCIATE LELOIR. 

FIRST YEAR

10 (503). BIOLOGICAL CHEMISTRY. Lectures, recitations, conferences and laboratory work covering those portions of the subject which are of especial importance to the student of medicine. 264 hours.

(Drs. Shaffer, C. F. Cori, Ronzoni Bishop, Green, Taylor, Reithel)

ELECTIVE COURSES

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

51 (515). Research. The facilities of the department are available to students qualified to undertake investigation.

* In Military Service.
* Resigned August 7, 1944.
THE SCHOOL OF MEDICINE

PHYSIOLOGY

PROFESSOR EMERITUS ERLANGER.
ASSOCIATE PROFESSORS H. LESTER WHITE,* GILSON, STEINBACH.¹
ASSISTANT PROFESSORS PEGNET,² EDGAR A. BLAIR.²
INSTRUCTORS SCHOEPFLE, WALKER.

FIRST AND SECOND YEARS

10 and 20 (502 and 503). 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 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. Third trimester of the first year and first trimester of the second year. 116 hours.

(b) Laboratory. First trimester of the second year. 150 hours.

(Drs. Erlanger, Gilson, Steinbach, Schoepfle, Walker)

ELECTIVE COURSES

50 (504). 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 20. It consists mainly of experiments demonstrated in Course 10. The time and the amount of work are not limited, except that assistance must be arranged for by definite engagements.

51 (500). 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.

BACTERIOLOGY AND IMMUNOLOGY

PROFESSOR BRONFENBRENNER.
ASSISTANT PROFESSORS VARNEY, HERSHEY, TSUCHIYA.
RESEARCH ASSOCIATE WEICHSBAUM.*
INSTRUCTOR SHAHRKH.²
ASSISTANTS KALMANSON,³ KIMURA, SPIEGELMAN.

In addition to instruction of medical students, the department offers graduate training to a limited number of students who have previously received their basic training in bacteriology elsewhere.

SECOND YEAR

20 (531). BACTERIOLOGY. Lectures and Laboratory. A brief survey of General Bacteriology with a view of acquainting the students with the

¹ From the Department of Zoology.
² Resigned September 15, 1944.
³ In Military Service.
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 individually with respect to epidemiology, means of laboratory diagnosis, specific therapy and prophylaxis, and general measures of control. Fifteen hours a week during four weeks in the last trimester of the first year and seven weeks in the first trimester of the second year. 165 hours.

(Drs. Bronfenbrenner, Hershey, Tsuchiya, Varney)

21 (532). 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 prophylaxis. Antibodies, their nature, significance in resistance to infection and as indices of past exposure. Serum therapy. Hypersensitiveness. Two lectures and six hours of laboratory work each week during the first trimester. 44 hours.

(Drs. Bronfenbrenner, Hershey, Tsuchiya, Varney)

22. Parasitology. The course is designed to present a brief discussion of protozoan and metazoan parasites of medical importance, as well as of arthropods which transmit human diseases. Emphasis to be placed on the medical phases of the subject including epidemiology, symptomatology, diagnosis, treatment and control, in addition to life cycles of these parasites. This is supplemented by demonstrations and laboratory exercises for their identification. Ten lectures and ten two-hour laboratory periods weekly during third trimester.

(Drs. Tsuchiya, Russell, Miss Kimura)

ELECTIVE COURSE

50 (590). Research. The facilities of the laboratory are open to those properly qualified for research in Bacteriology and Immunology.

(Dr. Bronfenbrenner and Staff)

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1 From the Department of Pathology.
Courses are now given for first, second and third year classes in the undergraduate medical curriculum. Lectures and conferences during one trimester of the first year treat the subject of (a) biostatistics and (b) personal hygiene; and in the second year, the principles of epidemiology, environmental sanitation. By arrangement with the Health Department of St. Louis County, the splendid facilities of its Health Center are utilized for practical work and field experience under direction of the Staff, scheduled during one trimester of the third year. Formal instruction in other aspects of Preventive Medicine and Public Health is completed in two trimesters of the third year.

The Student Health Service has been reorganized as a responsibility of this department to cover a more complete program of preventive medicine as well as of clinic and hospital care for illness. The relation of each student with the Health Service affords a continued example of the practice of preventive measures and engenders a personal interest in that point of view.

The aim is to provide for all medical students, as a part of their basic preparation, more adequate emphasis upon those factors most affecting the preservation of the health of individuals in families and groups, as a growing concern and responsibility of every physician.

**FIRST YEAR**

10. First trimester. Eleven lectures: (a) biostatistics, (b) personal hygiene.

(Drs. Jacobsen, Cook, McGavran)

*Effective, November 1, 1944.*
SECOND YEAR

20. One trimester, eleven lectures: Epidemiology and Environmental Sanitation; water, milk, food supplies and disposal of human waste.
   (Dr. McGavran, Mr. Board)

THIRD YEAR

30. (535) Two trimesters, forty-four lectures; (a) public health administration programs; maternal, infant, preschool hygiene, industrial hygiene, dental hygiene, mental hygiene, economic and administration aspects. (b) preventive medicine, tropical diseases and control measures applicable to military and civilian conditions.
   (Drs. McGavran, Tsuchiya and Lecturers)

In addition to this lecture course, field experience in public health is required. Field experience involves (1) excursions to certain important industries and institutions and (2) weekly rotating field trips for one afternoon a week for one trimester. These trips are organized by the County Health Department staff.
   (Dr. McGavran, Mr. Board, Miss Phillips, and field staff of St. Louis County Health Department)
PATHOLOGY

Edward Mallinckrodt Professor Robert A. Moore.
Professor Emeritus Loeb.
Associate Professors Margaret G. Smith, Gray.
Visiting Associate Professor Burns.¹
Assistant Professors Ackerman, Saxton, Russell.²
Associate Robinson,³ Levy.³
Research Associate Mary L. Miller.*
Instructors Henry Allen,* Helwig,* Edward Smith,* Cooper, Breyfogle, Stowell, Auerbach,* Agress,* Callahan, Silberberg.³
Lecturer Emeritus Pote.
Assistants W. G. Brown,* Stahl,* Anschuetz,* Russel,* Edwards,⁵ Leidler,³ David Smith,³ Thomas,³ Schlademan,³ Burnett.²
Research Assistants Broady,⁷ Peterson.⁹
Visiting Fellows Gonzales,⁶ Maas.⁶

Pathology is taught during the second, third, and fourth years. In the second year there is the course in General and Special Pathology, and in the third and fourth years the students attend the Clinical and Pathological Conferences conducted in collaboration with the Clinical Departments. The elective clerkship may be taken during the summer or during the school year. Graduate credit is given for all courses in the Department except number 30 and 40, Clinical and Pathological Conference, number 55, Clerkship in Pathology at Washington University and number 56, Minor Research.

Properly qualified medical students will be admitted to any of the courses for credit. Pathology 20 is a prerequisite for all other courses.

SECOND YEAR

20 (501). Pathology. General and special pathology is covered by lectures, gross and microscopic demonstrations and laboratory work. In general pathology, degenerations, inflammations, infectious diseases and tumors are considered. The diseases of each organ system are studied during the time devoted to special pathology. Small groups are given instruction in post-mortem technique, and in gross pathology. 290 hours.

(Drs. Moore, M. G. Smith, Gray, Saxton, Russell, Stowell, and Staff)

THIRD AND FOURTH YEARS

30 and 40. 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

¹ November 18 to December 12, 1944.
² Resigned October 1, 1944.
³ Effective October 1, 1944.
⁴ July 1 to November 15, 1944.
⁵ July 1 to September 30, 1944.
⁶ July 1 to July 31, 1944.
⁷ July 1 to July 18, 1944.
⁸ Effective August 1, 1944.
⁹ Resigned December 31, 1944.
* In Military Service.
clinical observations in the light of the post-mortem findings. One hour a week during the third and fourth years.
(Drs. Moore, Margaret Smith, and Russell)

ELECTIVE COURSES

50 (502). 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, Russell, and Saxton)

51 (595). 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.

52 (596). Seminar in Gross Pathology. The autopsies for the affiliated hospitals are performed by the junior members of the staff. On one afternoon a week the entire Department meets, and the cases are evaluated by the senior staff.
(Drs. Moore, Margaret Smith)

53 (597). Seminar in Microscopic Pathology. The microscopic sections from each autopsy are presented by the prosector at a conference held once a week. Pertinent articles from the current literature are presented and discussed as they apply to the cases under consideration.
(Drs. Moore, Margaret Smith)

54 (598). Seminar in Theoretical and Experimental Pathology. Topics in General Pathology are selected and assigned to members of the junior staff and to qualified students for review. Once a week.
(Dr. Moore)

55. 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, Saxton, Russell, Stowell and Staff)

56. 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 SCHOOL OF MEDICINE

THE EDWARD MALLINCKRODT DEPARTMENT OF PHARMACOLOGY

Professor Carl F. Cori.
Associate Professors Helen Tredway Graham, Gerty T. Cori.
Research Associate Green.
Instructors Hunter, Colowick.

The course in Pharmacology is designed to acquaint the students with the reactions of the body to drugs in health and disease.

SECOND YEAR

20 (501 and 502). Pharmacology. (a) Lectures, recitations and demonstrations covering the general field of pharmacology, including toxicology, chemotherapy and prescription writing. 55 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. 88 hours.

(a) or (b) may be taken alone by special students. Prerequisite, anatomy, biological chemistry and physiology.

(Drs. Cori, Graham, Hunter, Colowick)

ELECTIVE COURSES

50 (580). 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.

51 (590). 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.
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. The emphasis in the junior year is placed upon clinical diagnosis. In the final year each student acts for one month as clinical clerk in the general medical, dermatological, and venereal disease clinics, and for one month in the wards of Barnes Hospital or the Jewish Hospital. During his senior clinical clerkship the student receives formal instruction in medical therapeutics.

SECOND YEAR

20. ELEMENTARY MEDICINE.

(a) Physiological Interpretation of Signs and Symptoms. Observation and interpretation of the symptoms and signs of disease, with special...
THE SCHOOL OF MEDICINE

reference to pathological anatomy and physiology. Part of Conjoint Medicine. (See page 52.) 20 hours.
(Drs. Wood, Duden, Harford, MacBryde, Massie, C. V. Moore, Reinhard, J. Smith, R. Williams.)

(b) Physical Diagnosis. Lectures, demonstrations and practical exercises in the technique of physical diagnosis. Part of Conjoint Medicine. (See page 52.) 77 hours.
(Drs. Reinhard, Bulger, C. Charles, Harrison, Jean, Roberts, J. Smith, Stroud, B. Taussig, Wade, Wilson, Abel, Mundy)

(c) Clinical Chemistry and Microscopy. Lectures and laboratory course in methods of microscopic and chemical diagnosis. Part of Conjoint Medicine. (See page 52.) 99 hours.
(Drs. Carl Moore, Reinhard, Goetsch, Miss Bierbaum)

THIRD YEAR

30. GENERAL MEDICINE.
(a) Supervised Study of Patients in Wards of St. Louis City Hospital. Students are assigned in rotation as clinical clerks to the patients admitted to the medical service of the hospital. The work is supervised by preceptors, each of whom is responsible for one-fourth of the group. Teaching exercises include ward rounds, clinics and afternoon work in the wards and laboratories. 13 1/2 hours a week for one trimester. 148 1/2 hours.
(Drs. Barrett Taussig, Wade, J. Smith and K. Wilson)

(b) Systematic Study of Infectious Diseases. Ward rounds and clinics presenting a survey of the more common infectious diseases are held once a week at the St. Louis City Isolation Hospital. The clinical, bacteriological, and epidemiological features of each disease are discussed with particular emphasis upon their relation to prevention and the special problems of War Medicine. 2 hours a week for one trimester. 22 hours.
(Dr. Harford)

(c) Laboratory Diagnosis. Cases selected to illustrate the importance of laboratory diagnostic methods are presented to the students each week during their medical trimester. A specimen of blood, urine, stool, sputum, pleural or peritoneal fluid from the patient is given to each student who is required to reach a final diagnosis on the basis of the clinical history and his own laboratory findings. The correct laboratory data and the final diagnosis are presented at the end of the period. Two hours each week for one trimester. 22 hours.
(Drs. C. Moore and Reinhard)

31. MEDICAL CLINICS. Clinics and demonstrations intended to present systematically the more important subjects in clinical medicine. Two hours each week during the first and second trimesters. Three hours each week during the third trimester. 77 hours.
(Drs. Duden, Goldman, Harford, MacBryde, Massie, C. Moore, Olmsted, J. Smith, Williams, Wilson)

32. DERMATOLOGICAL CLINICS. See Dermatology 30.

33. CLINICAL PATHOLOGICAL CONFERENCE. 33 hours. (See under Fourth Year—Medicine 42.)
FOURTH YEAR

40. MEDICINE.

(a) Clinical Clerkship in Hospital Wards. For four weeks the entire day is spent in the wards of Barnes Hospital or the Jewish Hospital, with the exception of two hours a week at the Isolation Hospital. Patients are assigned for complete study and are followed throughout their stay in the hospital. Cases are presented by the student before the attending physician at ward rounds on the General Medical Wards three times a week and on the Metabolism Ward once a week. Problems relating to the diagnosis and treatment of contagious diseases are discussed on ward rounds held weekly at the St. Louis Isolation Hospital. 120 hours. (Drs. Wood, Duden, Grant, Harford, MacBryde, Massie, C. Moore, Reinhard, Sale, Williams)

(b) Clinical Clerkship in Washington University Clinics. Students act as clinic physicians for four weeks under the supervision of consultants in the following outpatient clinics:

Morning

Medicine A Clinic (General Medicine)
(Drs. Goldman, Goetsch, Aitken, Koenig, Kountz, Massie, Scheff, Thompson, Wiese, Becke, Luten)

Medicine B Clinic (General Medicine)
(Drs. Strauss, Brooks, Cannady, Duden, Fischel, Grant, Jensen, Skilling, Glassberg, Horner)

Afternoon

Dermatology Clinic* (Dr. Weiss and Staff)

Syphilis Clinic
(Drs. J. Smith, Lawrence, Gottschalk, Roberts, Goetsch, Wilson, Mundy)

106 hours.

(c) Medical Therapeutics. The medical treatment of the more common diseases is discussed systematically and in considerable detail. Two hours each week during the medical quarter. 16 hours.

(Medical Resident and Staff)

41. MEDICAL CLINICS. Cases which have been studied by students working in the wards of the Barnes Hospital are presented before the third and fourth year classes to illustrate medical problems of particular interest. One hour each week throughout the year. 33 hours.

(Drs. Wood, Alexander, Sale, Carl Moore)

42. CLINICAL PATHOLOGICAL CONFERENCES. Abstracts of the clinical records of patients upon whom post mortem examinations have been per-

* Held at the Barnard Skin and Cancer Hospital.
formed are presented in advance to members of the third and fourth year classes and to members of the medical staff. Cases are selected to illustrate diagnostic problems, and special cases are included from outside sources to emphasize the more important Tropical Diseases not seen in this locality. At each conference the diagnosis is discussed in detail by the clinical staff before the anatomical findings are presented by the pathologists. 33 hours.

(Drs. Wood, Alexander, C. Moore, Robert Moore and staff)

**ELECTIVE COURSES**

50. *Koch Hospital*. Four students—All day for four weeks. Individual training in the clinical examination of patients suffering from thoracic disease. Assignment of selected cases. Discussion and demonstration of therapeutic procedures. Attendance at staff conferences and Clinical Pathological Conference at Koch Hospital.

(Drs. Kettelkamp, Murphy)

51. *Metabolism Ward*. Two students—All day for four or eight weeks. Rounds and assignment of selected cases in metabolism ward. Attendance at Diabetic and Endocrine Clinics in Washington University Clinics and at City Hospital. Special training in special diagnostic tests applicable to the study of metabolic and endocrine diseases.

(Dr. MacBryde)

52. *Clinical Bacteriology and Immunology*. Two students—Mornings only for four weeks. Experience and training in immunological and bacteriological technique as applied to clinical medicine.

(Dr. Harford)

53. *Blood Chemistry*. Two students—Mornings only for four weeks. Experience and training in the conduct of special chemical procedures used in the study of clinical medicine.

(Dr. Bulger)

54. *Homer Phillips Hospital*. Four students—All day for four or eight weeks. Attendance at ward rounds and conferences. Students will be given an opportunity to study selected patients admitted to the medical wards.

(Dr. Bulger and Staff)

55. *Special Medical Clinics*. Four students—Afternoons only for eight weeks. Gastrointestinal Clinic on Monday, Allergy Clinic on Tuesday, Arthritis Clinic on Wednesday, Endocrine Clinic on Thursday. Friday afternoon will be kept free for library assignments, etc.

(Drs. Scheff, Eyermann, Rosenfeld, Bulger, and Staffs)

56. *Cardiology*. Two students. Mornings and afternoons for four weeks. The course will include the study of cardiac patients on the wards of the St. Louis City Hospital, in the St. Louis City Outpatient Department, in the St. Louis County Hospital, and in the Obstetrical Clinic of the Washington University Outpatient Department.

(Dr. Jensen)
DERMATOLOGY

PROFESSOR EMERITUS MARTIN F. ENGMAN.
ASSOCIATE PROFESSOR WEISS, ACTING HEAD OF DEPARTMENT.
ASSISTANT PROFESSORS A. H. CONRAD, LANE.
INSTRUCTORS COLEMAN, MARTIN F. ENGMAN, JR., MANTING.
ASSISTANTS ESKELES, BAGBY,* MARCUS,* A. H. CONRAD, JR.,* HEROLD,¹
RELLER.
MYCOLOGIST MORRIS MOORE.

THIRD YEAR

30. DERMATOLOGY. Clinics on diseases of the skin. This course is a
general survey of the etiology, symptomatology, pathology, and treatment
of skin diseases. 11 hours. (Dr. Weiss and Staff)

FOURTH YEAR

41. DERMATOLOGY CLERKSHIP. Clinical examination of numerous derma-
tological cases with opportunity for instruction in their diagnosis,
pathology and treatment. Examination of biopsy specimens. Demon-
stration of the use of various physical agents such as electro-coagulation,
X-ray and radium in the treatment of malignant and non-malignant skin
affections.
Tuesdays—1:30 to 4:30 p. m.—The Barnard Free Skin and Cancer
Hospital.
Wednesdays—2:00 to 4:00 p. m.—The Barnard Free Skin and Cancer
Hospital. (Dr. Weiss and Staff)

ELECTIVE COURSE

50. Clinical demonstrations and examination of dermatological condi-
tions. Methods of therapy.
Mondays—2:00 to 4:00 p. m.—Skin Clinic, Washington University
Clinics. (Dr. Weiss and Staff)

NEUROPSYCHIATRY

PROFESSOR EDWIN F. GILDEA.
PROFESSOR EMERITUS SCHWAB.
PROFESSOR C. F. JACOBSEN.
ASSISTANT PROFESSORS A. B. JONES, CARR, SATTERFIELD,* TUREEN,* WAR-
SON,* O’LEARY,* LEVY, MOLHOLM, SASLOW.
RESEARCH ASSOCIATE SALOMON.
INSTRUCTORS KUBITSCHEK, BELL, GITT,* MAUGHS, FINGERT,* ZENTAY,
MARGARET GILDEA, M. M. JACOBSEN, BADAL.⁴
INSTRUCTOR IN PSYCHIATRIC SOCIAL WORK BUCHMUELLER.
LECTURER EMERY.
ASSISTANTS KENDALL, BUSCH, MIKSIcek,* P. HARTMAN,* FRANCES GRA-
HAM, KERR,* STEPHENS,* REESE,* FOUNTAIN, GALLANT,² MILLS,²
STURGEON, GOTTSCALK.³
PSYCHOLOGIST SPITZ.
RESEARCH FELLOW HOFFSTATTER.

Instruction in the Department of Neuropsychiatry is given in all four

¹ Resigned October 21, 1944.
² July 1 to September 30, 1944.
³ Effective October 1, 1944.
⁴ Effective December 1, 1944.
* In Military Service.
years of the medical course. In the first semester a course is given on
the structure of the personality, with particular emphasis on the develop-
ment of attitudes. Other lectures and demonstrations in the first and
second years are designed to correlate clinical neurology with neuro-
anatomy, laying special emphasis upon the integration of organic func-
tions through neural mechanisms and the encephalization and corticaliza-
tion of personality functions.

In the second year, correlated with medical and surgical instruction
in physical examination, elementary instruction is given in the approach
to the patient as a person, with a view to understanding his problems in
terms of their meaning for him as a person.

Clinical clerkships in the University Clinics in the third year bring
the individual student directly into relationship with patients showing
disorders of personality function, and with the family and community
situations of such patients. The student also has the opportunity to work
with patients showing more severe personality disorders at the Bliss
Psychopathic Institute and City Sanitarium. Frequent conferences both
with staff members and the psychiatric social workers are held for pur-
poses of discussion of procedure and of working formulations.

Instruction in neurology in the third year is given in lectures, demon-
strations and clinical clerkships. Emphasis is laid on the diagnosis and
treatment of the common neurological syndromes, and on giving the
students a basic training in the technique and interpretation of the
neurological examination.

In the fourth year weekly clinical demonstrations are held for the
whole class at which illustrative cases are presented and diagnosis and
therapy are discussed. Weekly conferences are held with the clinical
clerks in medicine. The students present patients whose symptoms are
produced or aggravated by psychological conflicts.

FIRST YEAR

10. NEUROPSYCHIATRY.

INTRODUCTION TO MEDICAL PSYCHOLOGY. Lectures, essays and personal
discussions concerning the development of human attitudes and emo-
tional reactions affecting the study and practice of medicine. 20 hours.

INTEGRATIVE NEUROLOGY. A series of lectures, demonstrations and
clinics concerning integrated functions of the organisms, given as part
of Anatomy 12. The purpose of this series is to correlate laboratory
investigations of the nervous system with clinical problems. Approxi-
mately 8 hours. (Dr. Jacobsen and Assistants)

SECOND YEAR

20. PSYCHIATRY.

INTRODUCTORY COURSE ON THE PATIENT-PHYSICIAN RELATIONSHIP.
(Part of Conjoint Medicine (see page 52).) Discussions with clinical
demonstrations of the relationship between the patient and the physician
and the other interpersonal relationships of the patient which have a
bearing on his problems. Interview techniques and systematic formulation of the data are considered. 11 hours.
(Drs. E. Gildea, Saslow, Jacobsen and Associates)

NEUROLOGICAL EXAMINATION IN PHYSICAL DIAGNOSIS. (Part of Conjoint Medicine (see page 52).) Lectures, demonstrations and exercises in the neurological examination of the patient. 6 hours.
(Drs. Jones and Levy in conjunction with Dr. Wood and Assistants)

THIRD YEAR

30. Psychiatry.
(a) PSYCHOPATHOLOGY; AN INTRODUCTORY COURSE TO SOME OF THE THEORETICAL CONCEPTS OF THE DETERMINANTS OF HUMAN BEHAVIOR. Lectures with illustrative case studies concerning the psychodynamic principles involved in personality disorders and their treatment. In the first trimester emphasis is laid on current theories of the psychodynamics of personality disorders; in the third trimester the application of these principles to the therapy situation is elaborated and illustrated. The nosology of psychiatry is briefly and critically reviewed. This course in combination with clinical clerkships is aimed at assisting the orientation of the general medical practitioner to personality problems of patients. One hour a week for the first and third trimesters. 22 hours.
(Dr. E. Gildea)

(b) CLINICAL CLERKSHIP. One-ninth of the third year class serve a clinical clerkship of three to four weeks in the University Clinics. The students are assigned patients and participate in the work of the clinics under close personal supervision of the staff members. Interviews with institutionalized patients and conferences on selected cases are provided at the Washington University Clinics (Neuropsychiatry). 49 hours.
(Drs. E. Gildea, Jacobsen, Maughs, M. Gildea, Molholm, Busch, F. Graham, Buchmueller, Anderson)

(a) CLINICAL NEUROLOGY. Lectures with demonstrations on diseases affecting the nervous system. The semiology of affections of the nervous system is taken up in the first third of the course, after which diseases of the nervous system are considered with emphasis on the biology of the disease and the rationale of therapy. One hour a week, first and second trimesters. 22 hours.
(Drs. Levy, Jacobsen, Jones)

(b) 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. 30 hours.
(Drs. Levy, E. Gildea)

1 From the Social Service Department of Washington University Clinics and Allied Hospitals.
40. **PSYCHIATRY.**

**PSYCHIATRIC CLINIC.** An exercise every other week throughout the year, alternating with the Neurological Clinic (Neurology 41 (a.)) Illustrative cases on the Barnes Hospital wards are presented and discussed. One hour every two weeks throughout the year. 17 hours.

(Drs. E. Gildea, M. Gildea, Jacobsen, Saslow, Schwab, Maughs)

41. **NEUROCIVLGY.**

(a) **NEUROLOGICAL CLINIC.** An exercise every other week throughout the year, alternating with the Psychiatric Clinic (Psychiatry 40). The more important neurological diseases and syndromes are presented and discussed with illustrative cases from the Barnes Hospital. One hour every two weeks throughout the year. 16 hours.

(Drs. Jones, Levy, Schwab)

(b) **WARD ROUNDS.** Twice a week ward rounds are conducted on neuropsychiatric cases in the Barnes Hospital wards with the medical group. One hour a week for one quarter. 8 hours.

(Drs. E. Gildea, Levy, Jones)

**ELECTIVE COURSES**

50. **Neurological Clinical Clerkship at the Barnes Hospital.** Four students mornings or afternoons at Barnes Hospital, for four or eight weeks. 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. Levy, Jones)

51. **Psychiatric Clinical Clerkship at the McMillan Hospital, the Bliss Institute and City Sanitarium.** Two students, morning or afternoon for four or eight weeks. Types of patients may be selected to meet special interests of individual student.

(Drs. E. Gildea, Saslow, M. Gildea, Molholm, Busch)

52. **Clinical Clerkship at the University Clinics.** Two students, mornings, for four or eight weeks. The students participate in the work of the neuropsychiatric clinic under the supervision of the staff members.

(Drs. Saslow, Schwab, Maughs)

53. **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.

54. **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 at the Barnes Hospital; conferences of the neuropsychiatric and neurosurgical staffs held weekly at Barnes Hospital.
The instruction in the Department of Surgery begins with an introduction to surgical principles at the end of the second 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

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1 July 1 to September 30, 1944.  
2 Resigned August 31, 1944.  
3 Effective, October 1, 1944.  
4 Effective, December 1, 1944.  
5 Resigned October 31, 1944.  
* In Military Service.
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 senior year, is being changed to a junior year course.

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 one hour daily for four weeks.

SECOND YEAR

20. 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

30. 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)

31. 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)

32. SURGICAL CLINIC. A weekly clinic throughout three trimesters. See course 40. 33 hours.

(Dr. Graham)

33. 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)
34. **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 and one-half weeks while the other half is at the Barnes and St. Louis Children's Hospitals. The groups are then changed so that each student's ward service is for a period of eleven weeks. On every morning except Thursday, one hour 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. On three afternoons a week the resident and assistant resident 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. 231 hours.

(Various members of the staff)

35. **Surgical Pathology.** Weekly exercises of two hours for three trimesters, at which time both early and late pathological changes are considered from the standpoint of their clinical manifestations. Pathological material from the operating room and the museum is studied both in the gross and microscopically. 64 hours.

(Drs. Womack, Eckert)

**FOURTH YEAR**

40. **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)

41. **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)

42. **Genitourinary Diseases.** Special exercises and conferences in genitourinary diseases are given to groups of six students two hours a day, four days a week, for two weeks. Some of the time is spent in the Outpatient Department and the rest of it in the hospital. Special
emphasis is placed on simple diagnostic procedures, catheterization and the evaluation of abnormal findings in the examination of patients. 16 hours.  

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

44. NEUROSURGERY OUTCLINIC. Groups of six students attend the Neurosurgical Outclinic where patients with ambulatory neurosurgery conditions are demonstrated. 4 hours. (This course will not be offered during the current year.)

45. TUMOR CLINIC. Groups of twelve students attend the Tumor Clinic three days a week for four weeks from 11 until 12 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. 12 hours.

46. WARD WORK. Twelve students are assigned to one of the City Hospitals 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 make 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. 72 hours. (Drs. Elman, Probstein, Robert Bartlett, Gruenfeld)

ELECTIVE COURSES

50. 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)

51. 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)

52. Surgical Pathology. Two students full time for 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)

53. Washington University Clinics. General surgery, 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.
54 (511). Research in Surgery. 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)

55. State Cancer Hospital. Three 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 malignant disease. Application must be made directly to the State Cancer Commission.

56. Anesthesia. One or two students. 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)

57. Urology Clerkship in Barnes Hospital. One student, mornings for eight weeks.

58. Physical Medicine. Four students. Mornings for four or eight weeks. (Dr. Ewerhardt)

RADIOLOGY

PROFESSOR SHERWOOD MOORE.
CONSULTING PHYSICIST HUGHES.
ASSOCIATE PROFESSOR LARIMORE.
PHYSICIST THORNTON.*
ASSISTANT PROFESSORS WENDELL SCOTT,* ARNESON.*
RESEARCH ASSOCIATE SALOMON.
INSTRUCTORS ZINK, LOUIS HEMPELMANN, JR.,** FULBRIGHT, REINHARD,
BOTTOM, MAXWELL.
ASSISTANTS READ,1 EDWARDS,2 THOMAS.*

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 45 for description.) One hour a day for four weeks. 32 hours.

DIAGNOSTIC RADIOLOGY. Eight hours a week for four weeks. 32 hours.

* In Military Service.
** In National Service.
1 July 1 to December 31, 1944.
2 July 1 to September 30, 1944.
3 Effective October 1, 1944.
ELECTIVE COURSE

50. 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

PROFESSOR WALSH.
PROFESSOR EMERITUS HARRY LYMAN.
PROFESSOR PROETZ.
ASSOCIATE PROFESSORS HANSEL, ALDEN, COSTEN.
ASSISTANT PROFESSORS ARBUCKLE, KELLEY, HOURN, CONE, GLICK.
INSTRUCTORS VOTAW, BOEMER, G. HARDY, L. W. DEAN, JR., SMIT, SENTURIA, POTTER, STUTZMAN, PROUD, WILLIAM T. K. BRYAN, SIRLES.
ASSISTANTS GAGE, SCHERRER, MOUNTJOY, E. H. LYMAN, CUTLER, McCORRY, BLACK.

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. Part of Conjoint Medicine (see page 52).

(Dr. Walsh and Staff)

THIRD YEAR

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

Fourth year

40. OTOLARYNGOLOGY. Clinical instruction is given to sections of six for twelve hours a week for two weeks. 24 hours.

(Drs. Walsh, Costen, Kelley, Dean, Jr., Bryan, Sirles)

ELECTIVE COURSES

51. 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)

OPHTHALMOLOGY

PROFESSOR LAWRENCE T. POST.
PROFESSORS W. E. SHAHAN, WIENER.
ASSOCIATE PROFESSOR EMERITUS WOODRUFF.
ASSOCIATE PROFESSORS WILLIAM F. HARDY, M. HAYWARD POST, SCHWARTZ.
ASSISTANT PROFESSORS H. Y. ALVIS, JAMES, HILDRETH, BEISBARTH.
INSTRUCTORS LANGE, CRAWFORD, SANDERS, MEINBERG, JAMES H. BRYAN.
LECTURER MASON.
ASSISTANTS E. B. ALVIS, ROSENBAUM, HANSEN, SCOBER, MILLER, ROBERTSON, ROSEHILL, MATTIS, MAGER, SLAUGHTER, FREEDMAN, CHAN-PONG, GARRETT, P. T. SHAHAN.
FELLOW GAITEN Y. NIETO.

* In Military Service.
1 Effective September 1, 1944.
2 Resigned July 15, 1944.
3 July 1 to December 31, 1944.
4 August 1, 1944 to January 31, 1945.
5 Effective October 1, 1944.
6 Effective January 1, 1945.
7 Deceased, December 10, 1944.
SECOND YEAR

OPHTHALMOSCOPY. Lectures and demonstrations are given as a part of the course in Conjoint Medicine. 6 hours. (See page 52.)

(Drs. Lawrence Post, James, Sanders)

THIRD YEAR

30. OPHTHALMOLOGY. One lecture a week is given in the third trimester.

(Dr. Lawrence Post)

FOURTH YEAR

40. CLINICAL OPHTHALMOLOGY. Instruction in diagnosis and treatment of eye diseases is given to small sections of the class. Eleven hours a week for two weeks. 22 hours.

(Drs. Lawrence Post, M. H. Post, Schwartz, Beisbahrth, Hildreth, Lange)

OBSTETRICS AND GYNECOLOGY

PROFESSOR WILLARD M. ALLEN.

PROFESSORS O. H. SCHWARZ, ROYSTON, T. K. BROWN.

PROFESSOR EMERITUS H. S. CROSSEN.

ASSISTANT PROFESSORS McNALLEY, O'KEEFE, PADDOCK, KREBS, R. J. CROSSEN, HOBBS, WEGNER, D. R. SMITH,* ROBLEE, SOULE,* ARNESON.*

EMERITUS ASSISTANT PROFESSOR SCHLOSSSTEIN.

INSTRUCTORS LIESE, Morrin, Davis, Arzt, Scrivner, O'Neill, Wasserman,* Gibson, Bortnick,* Rothman,* Wulff,* Vieaux, Meyerhardt, Esslinger,* Monat.

ASSISTANTS CANEPA, STEWART, PATTON, MAX,* HUTTO, H. L. ALLEN,* KEYS,* WOOLF,* LATTUADA,* HAWKER,* McFadden, Blanchet,2 Masters, F. P. SMITH.1

RESEARCH ASSISTANT HAYWARD.

FELLOW Peña-Astudillo.3

Students are given practical instruction in obstetrics and gynecology in the St. Louis Maternity Hospital, the Barnes Hospital, the University Clinics and the St. Louis City Hospital. The St. Louis Maternity provides approximately 900 confinements, the St. Louis City Hospital, 600 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 and 500 in the St. Louis City 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.

SECOND YEAR

20. INTRODUCTION TO OBSTETRICS. Part of the course in Conjoint Medicine (see page 52).

* In Military Service.
1 July 1 to September 30, 1944.
2 Effective October 1, 1944.
3 Effective September 17, 1944.
THIRD YEAR

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

31. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY. Two hours a week (in sections of one-third of the class). 22 hours.
   (Dr. Hobbs and Staff)

32. 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., four 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

40. CLINICS AND LECTURES. Entire class once weekly throughout the year. 33 hours.
   (Dr. Allen and Staff)

41. 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 1:30 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. 61 hours.

42. 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.

43. 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 see-
ing several patients, before, during and after treatment. This is given to the group in surgery. 8 hours.

**ELECTIVE COURSES**

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

51. University Clinics. Three students as clinical clerks, all day for four or eight weeks.

52. Maternity Hospital. One or two students may serve as clinical clerks, living in the hospital four or eight weeks.

**THE EDWARD MALLINCKRODT DEPARTMENT OF PEDIATRICS**

**PROFESSOR HARTMANN.**

**PROFESSORS COOKE, VEEDEER.**

**ASSOCIATE PROFESSOR McCULLOCH.**

**ASSISTANT PROFESSIONS BLATTNER, M. COOK.**


**RESEARCH ASSISTANTS HEYS, MILLER.**

**DENTISTS MARTIN, HARRIS.**

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 with the teaching staff.

**THIRD YEAR**

30. 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**

40. PEDIATRIC CLINIC. Weekly amphitheatre demonstrations and discussions of selected cases from the hospital, for the whole class. 32 hours.

(Drs. Hartmann, Cooke, Blattner, Kubitschek, Forbes, Bleyer, Schwartz)
41. **Clinical and Pathological Conferences.** Weekly conferences, following clinical conferences. See also Pathology 40.

42. **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; (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) clinical conferences at the St. Louis City Isolation Hospital; (8) clinical conferences at the St. Louis City Hospital; (9) special demonstrations in common nursing procedures, which include the preparation of artificial formulae.

(Drs. Hartmann, Cooke, Blattner, Love, Bryan, Erganian, Zentay, Kubitschek, Forbes and Staff)

**Elective Courses**

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

51. **Clerkship at City Hospital.** Two students, full time, four or eight weeks.

52 (590). **Research.** Properly qualified students may engage in clinical or laboratory research under the direction of the pediatric staff. Hours by arrangement.

53. **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.**

*Associate 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:

(10 and 20) Basic Course—first and second years.

(30 and 40) Advanced Course—third and fourth years.
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.

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.

Upon completion of the course and internship the student will be commissioned 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.

(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 of post-graduate instruction are at present mainly confined to training afforded members of the house-staffs of clinical departments. The post-graduate program is now under revision and will be announced in supplementary bulletins. Enquiries from individuals desiring post-graduate training will receive attention, and will aid in the information of the program now under consideration.
<table>
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<th>Name</th>
<th>Internship</th>
<th>Degree Conferring Institution</th>
<th>Location</th>
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<tr>
<td>Armstrong, Bruce Wendel</td>
<td>Union Memorial Hospital, Baltimore, Maryland</td>
<td>Doctor of Medicine</td>
<td>Msouri</td>
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<td>Aron, Bernard</td>
<td>Barnes Hospital, St. Louis, Missouri</td>
<td>Doctor of Medicine</td>
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<td>Armstrong, Samuel Paul</td>
<td>Barnes Children's Hospital, St. Louis, Missouri</td>
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<td>Birenboim, Irvin Myron</td>
<td>Jewish Hospital, St. Louis, Missouri</td>
<td>Doctor of Medicine</td>
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<tr>
<td>Bissell, Samuel</td>
<td>Philadelphia General Hospital, Philadelphia, Pennsylvania</td>
<td>Doctor of Medicine</td>
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<td>Brown, Ivan Eugene</td>
<td>Iowa Methodist Hospital, Des Moines, Iowa</td>
<td>Doctor of Medicine</td>
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<td>Burow, Buford Hale</td>
<td>St. Luke's Hospital, St. Louis, Missouri</td>
<td>Doctor of Medicine</td>
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<td>Burruss, Julian Hunt</td>
<td>Augustana Hospital, Chicago, Illinois</td>
<td>Doctor of Medicine</td>
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<td>Callaway, Guy</td>
<td>U. S. Naval Hospital, Puget Sound Naval Base, Bremerton, Washington</td>
<td>Doctor of Medicine</td>
<td>Missouri</td>
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<tr>
<td>Campbell, James Edwin</td>
<td>De Paul Hospital, St. Louis, Missouri</td>
<td>Doctor of Medicine</td>
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<td>Cassell, William Joseph</td>
<td>Jewish Hospital, St. Louis, Missouri</td>
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<td>Clough, John</td>
<td>Billings Hospital, Univ. of Chicago, Chicago, Illinois</td>
<td>Doctor of Medicine</td>
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<td>Cole, Jack</td>
<td>Lakeside Hospital, Western Reserve University, Cleveland, Ohio</td>
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<td>Davis, Edgar Wayne</td>
<td>Missouri Baptist Hospital, St. Louis, Missouri</td>
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<td>Davis, James Wilson</td>
<td>U. S. Naval Hospital, Mare Island, San Francisco, California</td>
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<td>Dehlinger, Klaus Rene</td>
<td>Evans Memorial Hospital, Boston, Massachusetts</td>
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<td>Doherty, Edwige Donald</td>
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<td>Eisenstein, Albert</td>
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<td>Fee, Wesley Street</td>
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<td>Miller, Don Edward</td>
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<td>Nielson, Paul Ellis</td>
<td>Research and Educational Hospitals, Chicago, Illinois</td>
<td>A.B., M.A., Ph.D. (cum laude)</td>
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<tr>
<td>Noller, Henry William</td>
<td>St. Luke's Hospital, St. Louis, Missouri</td>
<td>A.B.</td>
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<td>Nottingham, Robert</td>
<td>St. Luke's Hospital, St. Louis, Missouri</td>
<td>B.S.</td>
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<td>Oliphant, Lamar</td>
<td>De Paul Hospital, St. Louis, Missouri</td>
<td>A.B.</td>
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<td>Palmer, Marion</td>
<td>Sacred Heart Hospital, Spokane, Washington</td>
<td>A.B.</td>
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<td>Payne, John William</td>
<td>St. Louis Maternity Hospital, St. Louis, Missouri</td>
<td>A.B.</td>
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<td>Pennington, Francis</td>
<td>City Hospital, St. Louis, Missouri</td>
<td>A.B.</td>
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<td>Perkins, Robert</td>
<td>Barnes Hospital, St. Louis, Missouri</td>
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<td>Purnell, Marvin</td>
<td>St. Louis Maternity Hospital, St. Louis, Missouri</td>
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<td>Ritzmann, Dorothy</td>
<td>Lutheran Hospital, St. Louis, Missouri</td>
<td>A.B. (cum laude)</td>
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<td>Roberts, Richard</td>
<td>St. Luke's Hospital, Kansas City, Missouri</td>
<td>B.S.</td>
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<td>Robinson, James</td>
<td>Baltimore City Hospital, Baltimore, Maryland</td>
<td>A.B.</td>
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<td>Rodgers, Elrie Parker</td>
<td>St. Luke's Hospital, St. Louis, Missouri</td>
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<td>Rupp, John Jacob</td>
<td>Institute of Pathology, University Hospitals, Kern</td>
<td>B.S., M.S.</td>
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<td>Scott, Robert McKay</td>
<td>Fresno General Hospital, Fresno, California</td>
<td>A.B.</td>
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<td>Simril, Wayne Alvin</td>
<td>Barnes Hospital, St. Louis, Missouri</td>
<td>A.B.</td>
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<td>Smith, David English</td>
<td>Barnes Hospital, St. Louis, Missouri</td>
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<td>Stewart, Albert</td>
<td>Barnes Hospital, St. Louis, Missouri</td>
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<td>Stricker, Harold Carl</td>
<td>De Paul Hospital, St. Louis, Missouri</td>
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<td>Talmage, David Wilson</td>
<td>Georgia Baptist Hospital, Atlanta, Georgia</td>
<td>B.S. (cum laude)</td>
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<td>Timmer, David Hugh</td>
<td>St. Louis County Hospital, Clayton, Missouri</td>
<td>A.B.</td>
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<td>Walker, Duane Ray</td>
<td>San Joaquin General Hospital, French Camp, California</td>
<td>A.B.</td>
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<td>Walther, Roy Albert</td>
<td>Missouri Baptist Hospital, St. Louis, Missouri</td>
<td>B.S.</td>
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<tr>
<td>Weisfuss, Louis</td>
<td>Jewish Hospital of Brooklyn, Brooklyn, New York</td>
<td>B.S.</td>
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<tr>
<td>Williams, Roy</td>
<td>T. C. I. Hospital, Fairfield, Alabama</td>
<td>A.B.</td>
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<tr>
<td>Willford, Robert</td>
<td>T. C. I. Hospital, Fairfield, Alabama</td>
<td>A.B.</td>
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Total, 99
PRIZES AWARDED AT COMMENCEMENT
September 26, 1944

GILL PRIZE IN ANATOMY
Farr, Alonza Lewis, B.S.

GILL PRIZE IN PEDIATRICS
Bessman, Samuel Paul

ALPHA OMEGA ALPHA BOOK PRIZE
Lange, Robert Dale, A.B.

HOWARD A. MCCORDOCK BOOK PRIZE
Shapleigh, John Blasdel II

SIDNEY I. SCHWAB BOOK PRIZE
Lambiotte, Louis Oscar, B.S.

NU SIGMA NU AWARDS
Farr, Alonza Lewis, B.S.
Rauber, Albert Paul, B.S.
# ROSTER OF STUDENTS

## FOURTH YEAR CLASS (October, 1944-June, 1945)

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution and Date</th>
<th>City</th>
<th>State</th>
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<tr>
<td>Adams, John Pletch</td>
<td>B.S., Univ. of Mo., '43—Elsherry, Mo.</td>
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<td>Andrew, William Fredrick</td>
<td>B.S., Univ. of Mo., '43—Richmond, Mo.</td>
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<td>Atwood, John Morris</td>
<td>A.B., Washington and Lee Univ., '42—Carrollton, Mo.</td>
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<td>Beltrusch, Oscar William</td>
<td>B.S., Billings, Mont.</td>
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<td>Banton, Howard Stansell, Jr.</td>
<td>B.S., Birmingham-Southern Coll., '43—Birmingham, Ala.</td>
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<td>Bates, George Comer</td>
<td>A.B., Univ. of Mo., '43—Jefferson City, Mo.</td>
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<td>Bennett, Truett Vann</td>
<td>Asheville, N. C.</td>
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<td>Bentley, Maxwell Dean</td>
<td>B.S., Univ. of Idaho, '49—Royal Oak, Mich.</td>
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<td>Berg, Ralph, Jr.</td>
<td>B.S., St. Coll. of Wash., '43—Spokane, Wash.</td>
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<td>Bergmann, Martin</td>
<td>A.B., Washington Univ., '42—St. Louis, Mo.</td>
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<td>Bopp, Henry William, Jr.</td>
<td>—Terre Haute, Ind.</td>
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<td>Brooks, Shuel Stanley</td>
<td>—St. Louis, Mo.</td>
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<td>Brown, James Andrew</td>
<td>B.S., Univ. of Ariz., '42—Tucson, Arizona.</td>
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<td>Brown, Roger Williams</td>
<td>A.B., Univ. of Utah, '42—Ogden, Utah.</td>
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<td>Burdick, Donald William</td>
<td>A.B., Princeton Univ., '42—St. Louis, Mo.</td>
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<td>Cowdry, Edmund Vincent</td>
<td>Jr. A.B., Princeton Univ., '42—St. Louis, Mo.</td>
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<td>Cowles, Jr., J. A.</td>
<td>A.B., Univ. of N. C., '42—Jacksonville, Fla.</td>
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<td>Crouch, William Harvey</td>
<td>Jr. A.B., Univ. of Mo., '43—Linn, Mo.</td>
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<td>Dabbs, Clyde Harwell, Jr.</td>
<td>B.S., Millsaps Coll., '43— Tupelo, Miss.</td>
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<tr>
<td>Davis, James Obello</td>
<td>B.S., Northwestern St. Coll., Okla., '37; M.A., Univ. of Mo., '42; Ph.D., 1945; B.S. in Med., '42—Columbia, Mo.</td>
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<td>Edison, Thomas George</td>
<td>A.B., Washington Univ., '42—St. Louis, Mo.</td>
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<td>Evans, Frank Frey, Jr.</td>
<td>A.B., Colorado Coll., '42—Fowler, Colo.</td>
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<td>Farrar, John Thruston</td>
<td>A.B., Princeton Univ., '43—St. Louis, Mo.</td>
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<td>Fitzpatrick, Thomas James</td>
<td>B.S., Univ. of Mo., '43—Jackson, Mo.</td>
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<td>Franklin, Harold Alvin</td>
<td>A.B., Washington Univ., '42; B.S., Univ. of Mo., '43—St. Louis, Mo.</td>
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<td>Gaunt, Frank Peyton</td>
<td>A.B., Washington Univ., '42—Webster Groves, Mo.</td>
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<td>Geren, Betty Ben</td>
<td>B.S., Univ. of Ark., '42—Fort Smith, Ark.</td>
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<td>Gibson, Jay Ogilvie</td>
<td>B.S., Univ. of Nev., '42—Susanville, Calif.</td>
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<td>Good, James Tucker</td>
<td>A.B., Univ. of N. C., '42—Marion, N. C.</td>
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<td>Guza, Samuel Barry</td>
<td>New York, N. Y.</td>
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<td>Hall, Robert Hubert</td>
<td>Salt Lake City, Utah.</td>
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<td>Henry, Margaret Jones</td>
<td>A.B., Huntingdon Coll., '42—Montgomery, Ala.</td>
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<td>Elko, Nevada.</td>
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<td>Jacobs, Charles Christ</td>
<td>Jr., A.B., Washington Univ., '42—St. Louis, Mo.</td>
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<td>Johnson, Norton Eric</td>
<td>A.B., Univ. of Mo., '42; B.S., '43—St. Louis, Mo.</td>
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<td>Johnson, Robert E.</td>
<td>A.B., Drury Coll., '43—Ozark, Mo.</td>
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<td>Kalmanson, George Maurice</td>
<td>B.S., Coll. of the City of N. Y., '34; M.S., Univ. of Calif., Ph. D., Washington Univ., '39—St. Louis, Mo.</td>
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<td>Kelly, Frank Joseph</td>
<td>—Kansas City, Mo.</td>
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<td>Kilker, Donald Edwin</td>
<td>A.B., Washington Univ., '42—St. Louis County, Mo.</td>
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<td>Kilker, Richard H.</td>
<td>A.B., Univ. of Minn., '42—Higginsville, Mo.</td>
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<td>Kronenburg, Roy Tesser</td>
<td>A.B., Brooklyn Coll., '41—Brooklyn, N. Y.</td>
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<td>Lambiote, Louis Oscar</td>
<td>B.S., Univ. of Ark., '42—Fort Smith, Ark.</td>
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<td>Lockett, Edgar Nathaniel</td>
<td>J. A., Johnson City, Tenn.</td>
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<td>Luce, Ralph Raymond</td>
<td>B.S., Univ. of Idaho, '41; M.S., 1942—Moscow, Idaho.</td>
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<td>Mackey, Oliver Monroe</td>
<td>Jr., B.S., Univ. of Idaho, '43—Lewiston, Idaho.</td>
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<td>Marr, James Carlson, Jr.</td>
<td>—Boise, Idaho.</td>
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<td>Maxwell, Wilbur Peet</td>
<td>A.B., Univ. of Ala., '42—Punta Gorda, Fla.</td>
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<td>Mitchell, Harold H.</td>
<td>B.S., Univ. of Ariz., '36; M.S., Univ. of So. Calif., '33—Los Angeles, Calif.</td>
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<td>Olson, Arthur John</td>
<td>Malo, Wash.</td>
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<td>Pascoe, James John</td>
<td>B.S., Univ. of Mo., '43—Nevada, Mo.</td>
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<td>Penninger, William Helt</td>
<td>B.S., Univ. of Mo., '42—Mountain View, Mo.</td>
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<td>Petsch, Kenneth Ray</td>
<td>B.S., Augustaana Coll., '32; A.B., Univ. of S. D., '42—Wentworth, S. D.</td>
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<td>Poleck, Robert Theodore</td>
<td>—Clayton, Mo.</td>
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<td>Price, Edwin Fletcher, Jr.</td>
<td>A.B., Univ. of Kans., '42—Lawrence, Kans.</td>
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<td>Prothro, George William</td>
<td>B.S., Univ. of N. Mex., '42—Clovis, New Mexico.</td>
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<td>Ramsey, Robert Henry</td>
<td>A.B., Univ. of Ark., '43—Fort Smith, Ark.</td>
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<td>Reeves, Gerald Andrew</td>
<td>A.B., Northeast Mo. St. Teachers Coll., '42—Kirksville, Mo.</td>
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</table>
Ritter, Walter, A.B., Valparaiso Univ., '42—Quincy, Ill.
Roberts, John Payne, A.B., Washington Univ., '41—St. Louis, Mo.
Ruby, Robert Holmes, B.S., Whitworth Coll., '43—Mabton, Wash.
Rupe, Clarence Earl, A.B., Baker Univ., '41—Kansas City, Mo.
Sanneman, Everett Herman, Jr.—E. St. Louis, Ill.
Schulz, Clarence Gallagher—St. Charles, Mo.
Shaw, William John, Jr., B.S., Univ. of Mo., '43—Fayette, Mo.
Smith, Benjamin Franklin, Jr.—Jackson, Louisiana.
Smith, Charles Graening—Texarkana, Texas.
Spitze, Edward Christian, Jr., A.B., Univ. of Ill., '42—E. St. Louis, Ill.
Stacey, Wallace Raymond, A.B., Southwest Mo. St. Teachers Coll., '33; B.S., Univ. of Mo., '43—Sparta, Mo.
Stephenson, Hugh Edward, Jr., B.S., Univ. of Mo., '43—Columbia, Mo.
Strong, Richard Milton, B.S., Univ. of Mo., '43—Hannibal, Mo.
Sweazy, Donald Lee—Cowden, Ill.
Sylvester, Robert Francis, Jr., A.B., James Millikin Univ., '42—Decatur, Ill.
Taylor, Eugene Emerson, B.S., Univ. of Idaho, '42—Moscow, Idaho.
Thatcher, Alan Hal—Preston, Idaho.
Tuthill, Sanford Werner, A.B., Washington Univ., '42—Mt. Vernon, Ill.
Twin, Edward James, A.B., Univ. of Mo., '42; B.S., Univ. of Mo., '43—Kansas City, Mo.
Ulben, John Whitford, A.B., Univ. of S. D., '43—Precoo, S. D.
Van Petten, George Turell—Knoxville, Tenn.
Vonachen, James Taylor, A.B., Univ. of N. C., '42—Morganton, N. C.
Washington, Edward Lee, A.B., Washington Univ., '42; B.S., Univ. of Mo., '43—Hannibal, Mo.
Waters, Hugh Robert, B.S., Northwestern Univ., '42—Wisconsin Rapids, Wis.
Weinhous, Stanley Robert—St. Louis, Mo.
Winkler, Ralph Kenneth, B.S., Fresno St. Coll., '43—Fresno, Calif.
Wishart, A.R., Washington Univ., '42—St. Louis County, Mo.
Wolfson, Charles, A.B., Univ. of Wash., '29; Ph.D., '39—Lawrence, Kansas.
Wood, Gary Bedford—Webster Groves, Mo.

THIRD YEAR CLASS (October, 1944-June, 1945)

Adams, Raymond John, B.S., State Coll. of Wash., '40—Seattle, Wash.
Baldy, Drennan, University City, Mo.
Barrow, Jack—Carbondale, Ill.
Bates, Raymond Robert—Tucson, Arizona
Bonebrake, MacDonald—Knoxville, Tenn.
Brownlie, Arthur Roy, Jr.—St. Louis, Mo.
Brownlie, Arthur Roy, Jr.—St. Louis, Mo.
Busher, Ralph Bering, Jr.—Webster Groves, Mo.
Chamberlain, Gilbert Lee, Jr.—New Franklin, Mo.
Cheaney, Mary Davis, A.B., Washington Univ., '41—St. Louis, Mo.
Cornfield, Morris—University City, Mo.
Crouch, Warner Leota, Jr.—Fairview, Ill.
De Huff, Ann Wilson, B.A., Univ. of N. M., '36; B.S., Simmons Coll., '37; M.S., Simmons Coll., '39—Santa Fe, New Mexico.
Dorrough, Bernell Fred, B.S., Birmingham-Southern Coll., '43—Birmingham, Ala.
Elders, Frank Alvin, Jr.—DeSoto, Mo.
Elliott, Gladden V., A.B., Central Coll., '43—Cabool, Mo.
Ernst, Roland Percy—Kirkwood, Mo.
Ewing, George Marvin—Brookfield, Mo.
Farrier, Robert Milton—East St. Louis, Ill.
Ferrill H. Ward, A.B., Univ. of Mo., '30; Ph.D., Univ. of Chicago, '36—Hannibal, Mo.
Pelson, James Cannon—Grove Hill, Alabama
Funch, Robert Edwin—Richmond Heights, Mo.
Gallagher, Donald MacNaughton—Rossford, Ohio
Gibbstine, Marvin Harold—St. Louis, Mo.
Hall, Albert Milton—Spirit Lake, Iowa
Hicks, Wiley Haxton, A.B., Grinnell Coll., '42—Guthrie Center, Iowa
Hayward, Royal Edwards, B.S., Univ. of Chicago, '42—Logan, Utah
Hecht, Henry—Wiesbaden, Germany
Huckstep, Robert Arnold, A.B., Washington Univ., '45—St. Louis, Mo.
Ingels, Elaine Price, Jr., A.B., Grinnell Coll., '43—Webster Groves, Mo.
Jackson, James Oliver, B.S., Univ. of Mo., '44—Kansas City, Mo.
Johnson, Eugene Farr—Coyne, Ill.
BULLETIN OF WASHINGTON UNIVERSITY

Jones, Ralph Homer, A.B., Mo. Valley Coll., '43; B.S., Univ. of Mo., '44—Marshall, Mo.
Kendrick, John Fox, Jr., A.B., Univ. of N. C., '43—Raleigh, N. C.
Kieffer, Victor Barcroft, A.B., Washington Univ., '43—University City, Mo.
King, George Wales—St Louis, Mo.
Kirkham, Lindsay Jack—Independence, Mo.
Kochler, John William—Webster Groves, Mo.
Lanier, Patricia Farnsworth, A.B., Washington Univ., '43—Webster Groves, Mo.
Lee, Robert Edward—Webster Groves, Mo.
Lee, Carlyle August—St Louis, Mo.
Lunceford, Tennie Mae, A.B., Univ. of Alabama, '41—Lanett, Ala.
Maguire, John Michael, A.B., Univ. of Mo., '44—North Little Rock, Arkansas
Marr, Jack MacPherson, B.S., Univ. of Mo., '44—Clayton, Mo.
McConnell, Robert Blythe—St Joseph, Mo.
McGraff, John Michael, A.B., B.S., Univ. of Mo., '44—Nevada Mo.
McNellis, Robert Scott, B.S., Hamilton Coll., '43—Milwaukee, Wis.
Moffett, James B., B.S., Univ. of Mo., '44—Dexter, Mo.
Naufer, Nicholas Henry, Jr.—St Louis, Mo.
Nicoll, Charles Herbert, A.B., Washington Univ., '43—St Louis County, Mo.
Niedermeyer, Edward Louis, A.B., Mo. Valley Coll., '41; B.S., Univ. of Mo., '44—Addieville, Ill.
Old, Jacob Wise, Jr., B.S., Virginia Polytechnic Inst., '42—Joplin, Mo.
O'Neal, Lawrence Wayne—Sunflower, Kansas
Owen, James Wilson, Jr.—Skiatook, Oklahoma
Peterson, Mitchell, Jr.—Woodmere, New York
Petakis, Nicholas Louis, A.B., Augustana Coll., '43; B.S., Univ. of S. Dak., '44—Sioux Falls, S. Dak.
Ratner, Albert Paul, B.S., Capital Univ., '43—Auburn, Ala.
Rhodes, Helen Hunter, A.B., Univ. of Ala., '45—Mobile, Ala.
Richardson, Glenn Burton, B.S., Ala. Polytechnic Inst., '45—Montgomery, Ala.
Robertson, Stanley Eugene, A.B., Univ. of Mo., '45; B.S., Univ. of Mo., '44—Gallatin, Mo.
Rutledge, Robert Cunningham, Jr., A.B., Rice Institute, '43—Houston, Texas
Schmidt, Arthur Earl, Jr.—St Louis, Mo.
Schropp, Rutledge Clifton—Des Moines, Iowa
Schuman, Arnold, A.B., Washington Univ., '42—St Louis, Mo.
Scott, Walter Francis, Jr., A.B., Univ. of Va., '42—Birmingham, Ala.
Seabaugh, Loy Rush—Jackson, Mo.
Seabaugh, William O. L., A.B., Univ. of Mo., '42; B.S., Univ. of Mo., '44—Cape Girardeau, Mo.
Shapleigh, John Blasdel, II—St Louis, Mo.
Simpson, William Loyal, B.S., Univ. of Chicago, '34; Ph.D., Univ. of Chicago, '38—Webster Groves, Mo.
Slask, James Cash, A.B., Washington Univ., '43—St Louis, Mo.
Slonim, Nathaniel Balfour—St Louis, Mo.
Smith, Theodore John Hubert, B.S., Univ. of S. Dakota, '44—Stamford, Conn.
Snyderman, Sanford Charles—Kansas City, Mo.
Spahn, Robert Sprull, B.S., Univ. of N. C., '44—Greenville, N. C.
Taylor, Russell, A.B., Oregon St Coll., '42—Austin, Texas
Thiel, Stanley William—Ritzville, Wash.
Vellios, Frank—St Louis, Mo.
Wald, Stanley Marvin—The Bronx, New York
Walker, Willard Bartlett—St Louis County, Mo.
Warshar, Albert David, A.B., Univ. of N. C., '43—Wilmingon, N. C.
Weaver, James Robert, A.B., Washington Univ., '41—Wichita, Kansas
Webster, Robert Nelson—Northwood, N. Dak.
Wieman, Harry Kramer, A.B., Univ. of Mo., '43; B.S., Univ. of Mo., '44—DeSoto, Mo.
Wiggins, George Edward, B.S., Univ. of Mo., '44—West Plains, Mo.
Williams, Joseph Campbell—Kansas City, Mo.
Wilson, Silver Allen—Bradenton, Florida

Total, 98

SECOND YEAR CLASS (October, 1944-June, 1945)

Abele, William Arved—Booneville, Mo.
Bechtold, John Edmund—Belleville, Ill.
Bernard, Harvey Rolland—Lenawee Station, Mo.
Brody, Arnold Jason—Columbia, Mo.
Brooker, Thomas Dudley—Mexico, Mo.
Brown, Paul Franklin—East St Louis, Ill.
Bryan, Theodore Louis—St. Louis, Mo.
Busiek, Paul Joseph—Springfield, Mo.
Clay, Charles Grover—Pleasant Hill, Mo.
Cockrell, Beverly Randolph, Jr.—Fresno, Calif.
Coffelt, Carl Frederick, Jr.—Steger, Ill.
Cohnberg, Rosellen Elaine—A.B., Washington Univ., '44—St. Louis, Mo.
Cornblath, Marvin—University City, Mo.
Couter, Robert Lee, Jr.—St. Louis, Mo.
Counts, Robert Milton—Richmond Heights, Mo.
Dankner, Arnold—Clayton, Mo.
DeLong, Chester Wallace—Seattle, Wash.
Dirks, Kenneth Ray—Wichita, Kans.
Duncan, James Thomas, Jr., A.B., William Jewell Coll., '43—Smithville, Mo.
Edgerton, Winfield Dow—Poplar Bluff, Mo.
Ernst, Charles Francis, Jr., A.E., Westminster Coll., '43—Kirkwood, Mo.
Fadem, Robert Stanley—University City, Mo.
Farr, Alonza Lewis, B.S., Millsaps Coll., '41—Edwards, Miss.
Porsathy, Bruce Todd—Clayton, Mo.
Garner, Robert Carlyle—Webster Groves, Mo.
Geeselman, Ralph Victor—St. Louis Co., Mo.
Goldenberg, David—St. Louis, Mo.
Goldring, Sidney—St. Louis, Mo.
Greiner, Theodore Herman—St. Louis, Mo.
Handler, Fred Phillip—St. Louis, Mo.
Hankey, Daniel Dwight—Council Bluffs, Iowa.
Harrison, Charles William—Nokomis, Ill.
Harrison, Virginia—Mt. Vernon, Ill.
Hausman, William—Brooklyn, N. Y.
Hillers, John Edward—Plainville, Kans.
Hofsmann, Helen Louise—Webster Groves, Mo.
Huck, Richard Felix, Jr.—Quincy, Ill.
Jankowski, Shirley Schaefer, A.B., Univ. of Wis., '43—Milwaukee, Wis.
Kelly, Thomas, Jr.—Springfield, Mo.
Kellogg, Huston Glenn—Los Angeles, Calif.
Landau, William Milton—St. Louis, Mo.
Lauch, Robert Michael—Webster Groves, Mo.
Long, Frank Barnes—Sedalia, Mo.
Love, William Deloss—Kirkwood, Mo.
Ludwig, James Behan—Trenton, Minn.
Martin, Frederick William, Jr.—St. Louis, Mo.
Mathes, Sydney Bernard—St. Louis, Mo.
McBride, Bert Harris—E. St. Louis, Ill.
McFarlane, John Alvin, Jr.—Elko, Nevada.
McIntyre, Homer Harry—University City, Mo.
McNeil, James Lewis—Winfield, Kans.
Newport, Jack Winston—Springfield, Mo.
Shatzel, William E.—St. Louis, Ill.
O’Neal, Patricia Lee, A.E., Washington Univ., '44—Maplewood, Mo.
Peden, Burnet Wilcox, A.B., Amherst Coll., '43—University City, Mo.
Perry, Eldon Turley—Washington, Mo.
Rainey, Robert—St. Louis, Mo.
Rapp, Harold Burnett, A.B., Washington Univ., '42—N. Kansas City, Mo.
Russell, Henry Thomas—Sayre, Okla.
Sato, George—Rivers, Ariz.
Schneider, Richard Frederick—E. St. Louis, Ill.
Sheinbein, Milton—University City, Mo.
Shiktaiz, Juro—Rivers, Arizona.
Smith, Albert Goodin—Bonne Terre, Mo.
Smyth, Jerry Albert—Quincy, Ill.
Stewart, Donald Bailey—Clayton, Mo.
Taylor, James William, Jr.—Belleville, Ill.
Weaver, Richard Grey—Wichita, Kans.
Weigel, Arthur Eugene—St. Louis, Mo.

FIRST YEAR CLASS (October, 1944-June, 1945)

Ackerman, Helen, A.B., Wheaton Coll., '36—Munnsville, New York
Acton, Alvin Arthur—St. Louis, Mo.
Allen, Joseph Hunter—Sikeston, Mo.
Arpke, Sarah Louise—St. Louis, Mo.
Barritt, Clay Franklin—Webster Groves, Mo.

Total 78
Behrens, Donald Theodore—St. Louis, Mo.
Bench, Robert Kenneth—Long Beach, Calif.
Berry, Paul Thomas—Kane, Illinois
Birenbaum, Aaron—St. Louis, Mo.
Bleisch, Virgil Roland—Trintion, Illinois
Brechner, Verne Lonell—Long Beach, Calif.
Brown, James Trig—Dewey, Oklahoma
Burkhardt, Betty Jane—St. Louis, Mo.
Burroughs, Lyle Wendell, B.S., N. E. Mo. St Teachers Coll., '44—Kirksville, Mo.
Burenstein, Robert—University City, Mo.
Catanzaro, Francis Joseph—St. Louis, Mo.
Chambers, George Matthew—Peoria, Illinois
Clark, Ernest James—Cedar Vale, Kansas
Clark, Helen Estelle, B.S., Univ. of Wyoming, '44—Paris, Texas
Cohen, Richard Raymond—St. Louis, Mo.
Conn, James Keener, Jr.—St. Cloud, Florida
Davis, George Weldon—Murphysboro, Illinois
Drogemueler, Clarence Fredrick, A.B., Washington Univ., '44—Birmamwood, Wisconsin
DuBois, Robert Lee, A.B., Central Coll., '42—Auxvass, Mo.
Dunn, Robert Edgar—Ladd, Illinois
Edwards, James David, Jr.—University City, Mo.
Epp, Milford John—Henderson, Nebraska
Falzone, Joseph Andrew, Jr.—Clayton, Mo.
Friedman, Robert Henry—Clayton, Mo.
Gaunt, William Danforth—Webster Groves, Mo.
Gentry, John Tilton, A.B., Washington Univ., '41—St. Louis, Mo.
Gould, Purdue Leighton—St. Louis, Mo.
Greditzer, Arthur S.—Webster Groves, Mo.
Hai, Joe Bill—Checotah, Oklahoma
Hartig, Hugh Richard—St. Louis, Mo.
Haynes, Robert Clark, Jr.—Marshall, Mo.
Hensel, Ralph Richard—St. Louis, Mo.
Hindall, Boyd Crawford—Muncie, Indiana
Johnson, David Spires—Jerseyville, Illinois
Johnson, Richard Boyd—Richmond Heights, Mo.
Jones, Philip Newton—Billings, Montana
Jordan, Stanley Youngs—Bronxville, New York
Kelly, Patrick Raymond—Springfield, Mo.
Kildow, John Oliver—Coeur d'Alene, Idaho
Kiyasu, Robert Kunko—Rivers, Arizona
Klein, Morton Wolf—St. Louis, Mo.
Ledner, Robert Alan, B.A., Vanderblit Univ., '48—Brooklyn, New York
Maffei, Rudolph—Portland, Oregon
Mallin, Jacob—Elmhurst, New York
March, Jack Franklin—Decatur, Illinois
Maze, Laurence Earl—St. Louis, Mo.
McGowan, Hugh Densel—Cobb, Kentucky
McLean, James Steven—Hammond, Indiana
Medley, Keith Graham—Post Falls, Idaho
Meiners, Theodore McGimsey—St. Louis, Mo.
Mellis, Richard Thomas—St. Louis, Mo.
Miller, James Hampton, A.B., Kansas St Teachers Coll., '44—Bethany, Mo.
Morgan, Daniel Lawrence, A.B. Univ. of K. C., '44—Kansas City, Mo.
Neuman, Alice, B.A., Smith Coll., '48—Washington, D. C.
Norbury, Frank Barnes—Jacksonville, Illinois
Pлучек, John Louis—Madison, Illinois
Perkoff, Gerald Thomas—Clayton, Mo.
Petty, Robert William—Ogden, Utah
Porporis, Arthur Anastasias—St. Louis, Mo.
Post, Lawrence Tyler, Jr.—Clayton, Mo.
Reichlin, Heyvart—New York, New York
Robison, Robert Paul, A.B., Ohio State Univ., '40—Montpelier, Ohio
Schuman, Stanley Harold—St. Louis, Mo.
Schuman, Stanley Harold—St. Louis, Mo.
Sleker, Herbert Otto—Maplewood, Mo.
Smith, Kathleen, B.S., Univ. of Ark., '44—Fayetteville, Ark.
Smith, Sidney—St. Louis, Mo.
Sperry, Milford Kirk—Greene, Iowa
Stein, Arthur Henry—Webster Groves, Mo.
Stokes, James Melvin—Poplar Bluff, Mo.
Strode, Walter Sterling—Honolulu, Hawaii
Sweiger, James Howard—Weatherby, Mo.
Warden, Duane D.—Grant City, Mo.
Watkins, Tom Keith—Farmington, Mo.
Winkler, Lee Frederick—St. Louis, Mo.
Wyloge, Elliott Ivan—St. Louis, Mo.

Total, 89

SUMMARY OF STUDENTS IN THE SCHOOL OF MEDICINE

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