Washington University

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

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

I. The College of Liberal Arts (Skinker Road and Lindell Boulevard)
   Walter E. McCourt, A.M., Dean

II. The School of Engineering (Skinker Road and Lindell Boulevard)
    Alexander S. Langsdorf, M.M.E., Dean

III. The School of Architecture (Skinker Road and Lindell Boulevard)
     Alexander S. Langsdorf, M.M.E., Dean

IV. The School of Business and Public Administration
    (Skinker Road and Lindell Boulevard)
    Isidor Loeb, LL.B., Ph.D., LL.D., Dean

V. The Henry Shaw School of Botany (2315 Tower Grove Avenue)
    George T. Moore, Ph.D., Director

VI. The School of Graduate Studies
    (Skinker Road and Lindell Boulevard)
    Frederick W. Shipley, Ph.D., LL.D., Litt.D., Dean

VII. The School of Law (Skinker Road and Lindell Boulevard)
    Joseph A. McClain, Jr., A.B., LL.B., J.S.D., Dean

VIII. The School of Medicine (Kingshighway and Euclid Avenue)
      Philip A. Shaffer, Ph.D., Dean

IX. The School of Dentistry (4550 Scott Avenue)
    Benno E. Lischer, D.M.D., Dean

X. The School of Nursing (416 S. Kingshighway)
   Ruth Ingram, A.M.,1 Director
   Lucy F. Hoblitzelle, M.A., Acting Director2

XI. The School of Fine Arts (Skinker Road and Lindell Boulevard)
    Kenneth E. Hudson, B.F.A., Director

XII. The University College (Skinker Road and Lindell Boulevard)
     Frank M. Debatin, A.M., Dean

XIII. The Summer School (Skinker Road and Lindell Boulevard)
      Isidor Loeb, LL.B., Ph.D., LL.D., Director

The following school is also conducted under the charter of the University:

Mary Institute—A Preparatory School for Girls
   (Ladue and Warson Roads)
    Charles H. Garrison, A.B., Principal

1 Resigned December 16, 1938.
2 Effective December 16, 1938.
WASHINGTON UNIVERSITY MEDICAL GROUP
## CALENDAR

### 1939

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CALENDAR

1938-39

Registration, Tuesday, September 20, and Wednesday, September 21, 1938.
Examinations for Advanced Standing and Removal of Conditions, Monday, September 19, to Wednesday, September 21, 1938, inclusive.
Academic Year (First Trimester) begins Thursday, September 22, 1938.
Holiday, Thanksgiving Day, Thursday, November 24, 1938.
First Trimester ends Saturday, December 10, 1938.
Second Trimester begins Monday, December 12, 1938.
Christmas Recess, Friday, December 23, 1938, to Tuesday, January 3, 1939, inclusive.
Registration for Second Half-Year, Monday, January 30, 1939.
Holiday, Washington's Birthday, Wednesday, February 22, 1939.
Second Trimester ends Saturday, March 11, 1939.
Third Trimester begins Monday, March 13, 1939.
Holiday, Good Friday, April 7, and Saturday, April 8, 1939.
Third Trimester ends Saturday, May 27, 1939.
Final Examinations begin Monday, May 29, 1939.
Commencement, Tuesday, June 6, 1939.

1939-40

Registration, Tuesday, September 26, and Wednesday, September 27, 1939.
Examinations for Advanced Standing and Removal of Conditions, Monday, September 25, to Wednesday, September 27, 1939, inclusive.
Academic Year (First Trimester) begins Thursday, September 28, 1939.
Holiday, Thanksgiving Day, Thursday, November 30, 1939.
First Trimester ends Saturday, December 16, 1939.
Second Trimester begins Monday, December 18, 1939.
Christmas Recess, Saturday, December 23, 1939 to Wednesday, January 3, 1940, inclusive.
Registration for Second Half-Year, Monday, February 5, 1940.
Holiday, Washington's Birthday, Thursday, February 22, 1940.
Second Trimester ends Saturday, March 16, 1940.
Third Trimester begins Monday, March 18, 1940.
Holiday, Good Friday, March 22, and Saturday, March 23, 1940.
Holiday, Decoration Day, Thursday, May 30, 1940.
Third Trimester ends Saturday, June 1, 1940.
Final Examinations begin Monday, June 3, 1940.
Commencement, Tuesday, June 11, 1940.
THE CORPORATION

President
MALVERN BRYAN CLOPTON

First Vice-President
ROBERT MCKITTRICK JONES

Second Vice-President
HARRY BROOKINGS WALLACE

Directors
CHARLES NAGEL
GEORGE OLIVER CARPENTER
ALFRED LEE SHAPLEY
ROBERT MCKITTRICK JONES
BENJAMIN GRATZ
HARRY BROOKINGS WALLACE
WILLIAM HENRY DANFORTH
DANIEL KAYSER CATLIN

DANIEL NOYES KIRBY
MALVERN BRYAN CLOPTON
EDWARD MALLINCKRODT, JR.
FRANK CHAMBLESS RAND
EUGENE DUTTON NIMS
ERNEST WILLIAM STIX
WILSON LINN HEMINGWAY
LEMUEL RAY CARTER

Treasurer, and Secretary to the Corporation
JOSEPH HENRY ZUMBALEN

Office in Robert S. Brookings Hall, Skinker Road and Lindell Boulevard
BULLETIN OF WASHINGTON UNIVERSITY

OFFICERS OF GOVERNMENT AND INSTRUCTION

GEORGE REEVES THROOP ..... Bridge Chancellor of the University
A.B., DePauw University, 1901; A.M., 1903; Ph.D., Cornell University, 1905;
LL.D., DePauw University, 1929; LL.D., University of Missouri, 1930.

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

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

FRANKLIN EDWARD WALTON ..... Assistant Dean
B.S., Shurtleff College, 1928; M.D., Washington University, 1927.

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

PROFESSORS

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

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

ROBERT JAMES TERRY ..... Professor of Anatomy
Anthropologist to Barnes and St. Louis Children's Hospitals.
M.D., Missouri Medical College, 1895; A.B., Washington University, 1901.

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

EVAITS AMBROSE GRAHAM ..... Bixby Professor of Surgery
Surgeon in Chief to Barnes and St. Louis Children's Hospitals; Surgeon to
St. Louis Maternity Hospital; Surgeon in Chief to Outpatients, University Clinics.
A.B., Princeton University, 1904; M.D., Rush Medical College, 1907; M.S.
(hon.), Yale University, 1928; LL.D., Central College, 1926; Sc.D., University of
Cincinnati, 1927; Sc.D., Princeton University, 1929; Sc.D., Western Reserve
University, 1931.

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

OTTO HENRY SCHWARZ ..... Professor of Obstetrics and Gynecology
Obstetrician and Gynecologist in Chief to Barnes and St. Louis Maternity Hospitals; Gynecologist to St. Louis Children's Hospital; Obstetrician and Gynecologist in Chief to Outpatients, University Clinics.
M.D., Washington University, 1915.

SHERWOOD MOORE ..... Professor of Radiology
Roentgenologist to Barnes and St. Louis Maternity Hospitals; Radiologist
to St. Louis Children's Hospital.
M.D., Washington University, 1905.

1 Arranged in groups in order of appointment, as of December 10, 1938.
LEE WALLACE DEAN  .  Professor Emeritus of Otolaryngology and Head of the Department

Otolaryngologist in Chief to Barnes Hospital; Otolaryngologist to St. Louis Children's and St. Louis Maternity Hospitals; Otolaryngologist in Chief to Outpatients, University Clinics.
B.S., University of Iowa, 1894; M.S., 1896; M.D., 1896.

EDMUND VINCENT COWDRY  .  Professor of Cytology
B.A., University of Toronto, 1909; Ph.D., University of Chicago, 1912.

JACQUES JACOB BRONFENBRENNER  .  Professor of Bacteriology and Immunology and of Public Health

Bacteriologist to St. Louis Children's Hospital.
Ph.D., Columbia University, 1912; Dr.P.H., Harvard University, 1919.

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

CORDIA C. BUNCH  .  Professor of Applied Physics in Otolaryngology
Physician to Barnes Hospital; Associate Otolaryngologist to St. Louis Children's Hospital.
A.B., Iowa State Teachers College, 1916; M.A., State University of Iowa, 1917; Ph.D., 1920.

CARL F. CORT  .  Professor of Pharmacology
M.D., University of Prague, 1920.

LAWRENCE TYLER POST  .  Professor of Clinical Ophthalmology and Head of the Department

Ophthalmologist in Chief to Barnes Hospital; Ophthalmologist to St. Louis Children's and St. Louis Maternity Hospitals; Ophthalmologist in Chief to Outpatients, University Clinics; Visiting Surgeon to St. Louis City Hospital.
A.B., Yale University, 1900; M.D., Johns Hopkins University, 1913.

ALEXIS FRANK HARTMANN  .  Professor of Pediatrics and Head of the Department

Physician in Chief to St. Louis Children's Hospital; Pediatrician in Chief to St. Louis Maternity Hospital; Pediatrician in Chief to Outpatients, University Clinics.
B.S., Washington University, 1919; M.S., 1921; M.D., 1921.

HOWARD ANDERSON MCCORDOCK1  .  Edward Mollinckrodt Professor of Pathology
Pathologist to Barnes, St. Louis Children's and St. Louis Maternity Hospitals.
B.S., University of Buffalo, 1921; M.D., 1923.

JEAN VALEAN COOKE  .  Professor of Pediatrics
Associate Physician to St. Louis Children's Hospital; Associate Pediatrician to St. Louis Maternity Hospital; Physician to Outpatients, University Clinics.
A.B., West Virginia University, 1903; A.B., Yale University, 1906; M.D., Johns Hopkins University, 1908.

CARYLE FERNAND JACOBSEN  .  Professor of Medical Psychology
Psychologist to Barnes and St. Louis Children's Hospitals; Psychologist to Outpatients, University Clinics.
A.B., University of Minnesota, 1924; Ph.D., 1928.

DAVID MCKENZIE RIOCH  .  Professor of Neurology and Head of the Department of Neuropsychiatry
Neurologist in Chief to Barnes Hospital; Neurologist to St. Louis Children's and St. Louis Maternity Hospitals; Physician to Outpatients, University Clinics.
A.B., Butler College, 1920; M.D., Johns Hopkins University, 1924.

JOHN CLARE WHITEHORN  .  Professor of Psychiatry
Psychiatrist in Chief to Barnes Hospital; Psychiatrist to St. Louis Children's and St. Louis Maternity Hospitals; Physician to Outpatients, University Clinics; Visiting Physician to St. Louis City Hospital.
A.B., Doane College, 1915; M.D., Harvard University, 1921.

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

LOUIS HERBERT BURLINGHAM  .  Lecturer on Hospital Administration
Superintendent of Barnes Hospital.
A.B., Yale University, 1902; M.D., Johns Hopkins University, 1906.

1 Died November 13, 1938.
JOHN VINCENT LAWRENCE ... Director of University Clinics and Assistant Professor of Medicine
Assistant Physician to Barnes Hospital; Physician to Outpatients, University Clinics.
B.S., University of Chicago, 1917; M.D., Rush Medical College, 1924.

ELSOWORTH STRIKER SMITH ... Professor Emeritus of Clinical Medicine
Assistant Physician to Barnes Hospital.
A.B., St Louis University, 1887; M.D., St Louis Medical College, 1890.

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

HUGO EHRENFEST ... Professor Emeritus of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist to Barnes Hospital; Consultant in Obstetrics and Gynecology to St Louis Maternity Hospital.
M.D., University of Vienna, 1894.

MARTIN FENNY ENGMAN ... Professor of Clinical Dermatology
Dermatologist to Barnes, St Louis Children's and St Louis Maternity Hospitals; Dermatologist in Chief to Outpatients, University Clinics.
M.D., University of New York, 1891.

BERDEN SMITH VEEDER ... Professor of Clinical Pediatrics
Consulting Pediatrician to St Louis Maternity Hospital; Consulting Physician to St Louis Children's Hospital.
M.D., University of Pennsylvania, 1907.

SIDNEY ISAAC SCHWAR ... Professor of Clinical Neurology
Neurologist to Barnes and St Louis Maternity Hospitals; Consulting Neurologist to St Louis Children's Hospital; Physician to Outpatients, University Clinics.
M.D., Harvard University, 1896.

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

MAJOR GABRIEL SIEDEL ... Professor of Clinical Surgery
Assistant Surgeon to Barnes Hospital.
A.B., Harvard University, 1896; M.D., Columbia University, 1900.

WILLIAM EWING SHAHAN ... Professor of Clinical Ophthalmology
Associate Ophthalmologist to Barnes Hospital; Consulting Ophthalmologist to St Louis Children's Hospital; Ophthalmologist to Outpatients, University Clinics.
A.B., Washington University, 1901; M.D., 1904; A.M., 1912.

FREDERICK JOSEPH TAUSIG ... Professor of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist to Barnes and St Louis Maternity Hospitals.
A.B., Harvard University, 1893; M.D., St Louis Medical College, 1898.

JOHN ROBERTS CAULK ... Professor of Clinical Genito-urinary Surgery
A.B., St John's College, 1901; A.M., 1912; M.D., Johns Hopkins University, 1906.

VILRAY PAPIN BLAIR ... Professor of Clinical Surgery
Associate Surgeon to Barnes and St Louis Children's Hospitals; Consulting Surgeon to St Louis Maternity Hospital.
A.M., Christian Brothers College, 1890; M.D., Washington University, 1893.

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

1 Died October 13, 1938.
ALBERT ERNEST TAUSIG . . . . . Professor of Clinical Medicine
Assistant Physician to Barnes Hospital; Consulting Physician to St. Louis City Hospital; Physician to Outpatients, University Clinics.
A.B., Harvard University, 1891; M.D., St. Louis Medical College, 1894.

MEYER WIENER . . . . . Professor of Clinical Ophthalmology
Associate Ophthalmologist to Barnes Hospital; Consulting Ophthalmologist to St. Louis Children's Hospital; Ophthalmologist to Outpatients, University Clinics.
M.D., Missouri Medical College, 1896.

JOHN ALBERT KEY . . . . . Professor of Clinical Orthopedic Surgery
Associate Surgeon to Barnes and St. Louis Children's Hospitals; Consulting Surgeon to St. Louis Maternity Hospital; Visiting Surgeon to St. Louis City Hospital; Surgeon to Outpatients, University Clinics.
M.D., Johns Hopkins University, 1918.

GRANDISON DELANEY ROYSTON . . . Professor of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist to Barnes and St. Louis Maternity Hospitals; Associate Gynecologist to St. Louis Children's Hospital.
M.D., Washington University, 1907.

QUITMAN UNDERWOOD NEWELL . Professor of Clinical Obstetrics and Gynecology
Associate Obstetrician and Gynecologist to Barnes and St. Louis Maternity Hospitals; Associate Gynecologist to St. Louis Children's Hospital.
M.D., University of Alabama, 1911.

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

VIRGIL LOEB . . . . . . . . . . . Lecturer in Stomatology
Stomatologist to St. Louis Children's and St. Louis Maternity Hospitals.
A.B., University of Missouri, 1908; M.D., St. Louis University, 1906; D.D.S., 1906.

ASSOCIATE PROFESSORS

WARREN PHILO ELMER . . . . . Associate Professor of Clinical Medicine
Assistant Physician to Barnes Hospital.
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.

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

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

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

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

MILDRED TROTTER . . . . . . . . . . . Associate Professor of Anatomy
A.B., Mount Holyoke College, 1920; M.S., Washington University, 1921; Ph.D., 1924.
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<th>Name</th>
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<td>Arthur Scott Gilson, Jr.</td>
<td>Associate Professor of Physiology</td>
<td>B.S., Dartmouth College, 1919; A.M., Harvard University, 1922; Ph.D., 1924.</td>
</tr>
<tr>
<td>Louis A. Julianelle</td>
<td>Associate Professor of Applied Bacteriology and Immunology in Ophthalmology</td>
<td>Associate Bacteriologist to St. Louis Children's Hospital.</td>
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<td>B.A., Yale University, 1917; M.S., 1919; Ph.D. University of Pennsylvania, 1929.</td>
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<td>Drew William Luten</td>
<td>Associate Professor of Clinical Medicine</td>
<td>A.B., University of Kentucky, 1901; M.D., Johns Hopkins University, 1911.</td>
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<tr>
<td>Joseph William Larimore</td>
<td>Assistant Professor of Clinical Medicine</td>
<td>A.B., DePauw University, 1908; M.D., Washington University, 1913.</td>
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<td>Gordon H. Scott</td>
<td>Associate Professor of Cytology</td>
<td>A.B., Yale University, 1922; A.M., University of Minnesota, 1925; Ph.D., 1926.</td>
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<tr>
<td>Theodore C. Hemipelmann</td>
<td>Associate Professor of Clinical Pediatrics</td>
<td>Consulting Physician to St. Louis Children's Hospital; Consulting Pediatrician to St. Louis Maternity Hospital.</td>
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<tr>
<td>Harry Webster Lyman</td>
<td>Associate Professor of Clinical Otolaryngology</td>
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<tr>
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BEN HARLAN SENTURIA . . . . . . . . . . . . . . . . . . . Assistant in Clinical Otolaryngology
Assistant Otolaryngologist to Barnes and St. Louis Children's Hospitals; Assistant Surgeon to Outpatients, University Clinics; Visiting Surgeon to St. Louis City Hospital.
A.B., Washington University, 1931; M.D., 1935.

JOHN HARRISON WEDIG2 . . . . . . . . . . . Assistant in Pathology
M.D., Washington University, 1933.

RAY DAVID WILLIAMS . . . . . . . . . . . Assistant in Medicine
Assistant Resident Physician to Barnes Hospital.
A.B., Hampden-Sydney College, 1930; M.S., Emory University, 1931; M.D., Washington University, 1937.

NORMAN JAMES WILSON . . . . . . . . . . . Assistant in Medicine
Assistant Resident Physician to Barnes Hospital.
B.S., University of Maryland, 1932; M.D., 1935.

FRANK MAHLON WOOLSEY, JR. . . . . . . . . . . . Assistant in Pathology
B.S., Duke University, 1935; M.D., 1938.

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

ALFRED EDWARD HOW . . . . . . . . . . . Assistant in Applied Bacteriology in Ophthalmology
A.B., Washington University, 1935.

MORTON ROGER LAZAR . . . . . . . . . . . Assistant in Obstetrics and Gynecology
Assistant Resident Obstetrician and Gynecologist to Barnes and St. Louis Maternity Hospitals; Assistant Obstetrician and Gynecologist to Outpatients, University Clinics.
A.B., Wayne University, 1933; M.D., University of Michigan, 1936.

HEWITT IRI NG VARNEY . . . . . . . . . . . Assistant in Psychiatry
Assistant Psychiatrist to Barnes Hospital; Physician to Outpatients, University Clinics.
M.D., University of Vermont, 1935.

1 Resigned October 1, 1938.
2 July 1 to December 31, 1938.
JOSEPH CASTRO EDWARDS . . . . . . Assistant in Medicine
A.B., University of Oklahoma, 1930; M.D., Harvard University, 1934.

JOHN A. DOUBLY . . . . . . Assistant in Bacteriology and Immunology
A.B., Ohio Wesleyan University, 1930; M.S., Washington University, 1933.

HELEN MARGARET AFF . . . . . . Assistant in Clinical Pediatrics
Assistant Physician to St. Louis Children's Hospital; Assistant Pediatrician to St. Louis Maternity Hospital.
B.S., Washington University, 1934; M.D., 1934.

DOROTHY JEANNETTE JONES . . . . . . Assistant in Clinical Pediatrics
Assistant Physician to St. Louis Children's Hospital; Assistant Pediatrician to St. Louis Maternity Hospital.
A.B., Oberlin College, 1930; M.D., Washington University, 1934.

HARRY EWING WACHTER . . . . . . Assistant in Clinical Pediatrics
Assistant Physician to St. Louis Children's Hospital; Assistant Pediatrician to St. Louis Maternity Hospital.
A.B., Washington University, 1929; M.D., 1933.

CHARLES HENRY RAMMELKAMP, JR.1 . . . . . . Assistant in Medicine
Assistant Resident Physician to Barnes Hospital.
M.D., University of Chicago, 1937.

OSCAR PERRY HAMPTON, JR . . . . . . Assistant in Clinical Orthopedic Surgery
Visiting Surgeon to St. Louis City Hospital.
M.D., University of Tennessee, 1928.

MAURICE BERNARD ROCHE . Assistant in Clinical Orthopedic Surgery
Visiting Surgeon, St. Louis City Hospital.
M.D., St. Louis University, 1933.

FRANK MICHAEL PETKEVICH1 . . . . . . Assistant in Pathology
M.D., University of Chicago, 1937.

FELLOWS AND RESEARCH ASSISTANTS

RAYMOND RAY LANIER, JR . . . . . . Fellow in Anatomy
A.B., University of Richmond, 1935.

HENRY WIGDORSON2 . . . . . . Fellow in Neurological Surgery
Voluntary Assistant in Surgery to Barnes Hospital.
B.S., College of the City of New York, 1928; M.A., Columbia University, 1927; M.D., University of Maryland, 1931.

SAMUEL J. HAYWARD . . . . . . Research Assistant in Pathology

VALENTINA SINTZEFF . . . . . . Research Assistant in Pathology
M.D., Women's Medical Institute, Petrograd, Russia.

MARIAN MOSKOP KUZ . . . . . . Research Assistant in Pathology
A.B., Washington University, 1924.

JANE BURNS . Research Fellow in Applied Bacteriology in Pediatrics
B.S., University of Washington, 1923; M.S., 1927.

EDGAR E. HITCHCOCK . . . . . . Research Fellow in Pediatrics
M.D., University of Georgia, 1925.

MARY B. RUHOFF . . . . . . Research Assistant in Applied Chemistry in Pediatrics
A.B., Wellesley College, 1930.

HENRY F. SAUNDERS . . . . . . Research Fellow in Pediatrics
M.D., University of Toronto, 1936.

CHING-SUNG CHANG . . . . . . Research Fellow in Otolaryngology
B.S., Yenching University, 1928; M.D., Peiping Union Medical College, 1932.

GERHARD SCHMIDT . . . . . . Research Assistant in Pharmacology
M.D., University of Freiburg, 1926.

R. STUART BABCOCK . . . . . . Research Assistant in Pathology
A.B., Washington University, 1937.

1 Effective January 1, 1939.
2 To March 31, 1939.
OFFICERS AND COMMITTEES OF THE FACULTY
OF THE SCHOOL OF MEDICINE

EXECUTIVE FACULTY

George Reeves Throop, Bridge Chancellor
Philip A. Shaffer, Dean

Joseph Erlanger
Robert J. Terry
Evarts A. Graham
David F. Barr
Otto H. Schwarz
Sherwood Moore
Lee W. Dean

Edmund V. Cowdry
Jacques J. Bronfenbrenner
Carl F. Cori
Lawrence T. Post
John V. Lawrence
Alexis F. Hartmann
Howard A. McCordock

David Mck. Roich

GENERAL FACULTY

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

STANDING COMMITTEES

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

LIBRARY
Dr. Cori (Chairman), Drs. Alexander, Seelig.

Barnes Hospital
Dr. Burlingham (Chairman), Drs. Barr, Graham, Dean, Schwarz, Post.

St. Louis Children's Hospital
Dr. Hartmann (Chairman), Drs. Graham, Dean, Miss Claiborne.

St. Louis Maternity Hospital
Dr. Schwarz (Chairman), Drs. Graham, Hartmann, Mrs. Keith.

Edward Mallinckrodt Institute of Radiology
Dr. Moore (Chairman), Drs. Graham, Shaffer, Barr, Terry, Hughes, Erlanger.

McMillan Hospital and Oscar Johnson Institute
Dr. Shaffer (Chairman), Drs. Barr, Dean, Post, Lawrence, Graham.

Faculty Representative to the Barnes Hospital Board
Dr. Graham.

Washington University Clinics
Dr. Barr (Chairman), Drs. Fisher, Graham, Hartmann, Schwarz, Burlingham, Dean, Lawrence, Post, Clopton, Lohr, Misses Taylor, Ingram.

The Advisory Board of the Clinics is composed of the chiefs of each of the clinics and the Director of Social Service Department, Washington University Clinics and Allied Hospitals.

1 Died November 13, 1938.
2 The Dean is ex officio a member of all standing committees.
ADMISSIONS, PROMOTIONS AND SCHOLARSHIPS

Dr. Shaffer (Chairman), Drs. Graham, Cowdry, Hartmann, Jacobsen, Womack, Walton, Mr. Parker.

DEPARTMENT OF SOCIAL SERVICE

Dr. Barr (Chairman), Drs. Alexander, Schwarz, Cooke, Lawrence, Burlingham, Mrs. Holland, Miss Taylor, Mrs. Stoner, Mr. Van Schoelack, Dr. Copher.

ST. LOUIS CITY HOSPITAL

Dr. Womack (Chairman), Drs. Barr, Findley, Post, Proetz, T. K. Brown.

GRADUATE INSTRUCTION

Dr. Graham (Chairman), Drs. Barr, Schwarz, Moore, Dean, Post, Hartmann, Womack.

STUDENT HEALTH

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

BUSINESS OFFICERS OF THE UNIVERSITY

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

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

FRANCES AGNES CLESSE, B.C.S.
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Supervising Engineer

WALLACE GIBSON BARRY, A.M.
Purchasing Agent, and Manager, University Stores

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Resident Auditor

ANN DUEKER
Assistant Bursar

ROSE FALLENSTEIN
Manager, McMillan Hall and Cafeterias

DONALD MORRISON
Superintendent, Buildings and Grounds

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

JAMES JOHNSTONE RITTERSKAMP, JR., B.S.B.A., LL.B.
Assistant Purchasing Agent

OTHER OFFICERS OF THE UNIVERSITY

OSCAR CARL ORMAN, LL.B., B.L.
Librarian

ELLA B. LAWRENCE
Librarian (School of Medicine)

MAUDE McFARLAND HENNESSEY
Assistant Librarian (School of Medicine)

HELEN KAISER
Assistant Registrar (School of Medicine)

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

PHILO STEVENSON, A.B.
Alumni Representative

KARL FREDERICK KOENIG, B.S., M.D.
Resident Physician

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

CALVIN RINGGENBERG, M.Mus., A.A. G. O.
Organist
BOARD OF DIRECTORS OF McMillan Hospital
AND OSCAR JOHNSON INSTITUTE

Mr. Edwin H. Steedman,  Mrs. E. D. Nims
President              Dr. Lawrence Post, ex officio
Mrs. Horton Watkins,   Dr. William A. Shoemaker
   Vice-President      Mr. George W. Speare.
Dr. Malvern B. Clopton  Mr. Ernest W. Stix
Dr. Lee W. Dean, ex officio  Dr. Frederick E. Woodruff
Mrs. Henry Elliot     Dr. Philip A. Shaffer, ex officio
Mrs. Oscar Johnson    Mr. W. B. Parker, Secretary
Mr. James Lee Johnson  for the Board
Mrs. Joseph W. Lewis

The operation of the McMillan Hospital is now limited to its outpatient departments, the hospital services in Ophthalmology and Otolaryngology being located in the Barnes and St. Louis Children's Hospitals. The staffs of the outpatient departments are listed under the University Clinics. The staffs of the hospital services are listed under the hospitals.

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

SOCIAL SERVICE DEPARTMENT OF WASHINGTON
UNIVERSITY CLINICS AND ALLIED HOSPITALS

Miss Mary K. Taylor          Director
Miss Isabel Bering           Administrative Assistant
Mrs. Elizabeth Payne         Educational Assistant

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Mrs. Richard Morey

THE SCHOOL OF MEDICINE 31
STAFFS OF THE AFFILIATED HOSPITALS
THE BARNES HOSPITAL

ADMINISTRATION

LOUIS H. BURLINGHAM, M.D. ............... Superintendent
FRANK R. BRADLEY, M.D. .................. Assistant Superintendent
EZRA L. EVANS, JR., M.D. ............... Assistant Superintendent
CORNELIA S. KNOWLES, R.N. ............... Executive Assistant
RUBY B. JAMES, R.N. ....................... Executive Assistant
LILLY D. HOEKSTRA, R.N. ................. Executive Assistant

MEDICINE

Physician in Chief
David P. Barr

Associate Physician
Harry L. Alexander

Assistant Physicians

Elsworth S. Smith
Albert E. Taussig
Warren P. Elmer
Jerome E. Cook
Walter Fischel
Walter Baumgarten
William H. Olmsted
Drew W. Luten
Charles H. Eyermann
Frank D. Gorham
Arthur E. Strauss
Alfred Goldman
Samuel B. Grant
Lawrence D. Thompson
Anthony B. Day
Lee P. Gay
Lee D. Cady
Harold A. Bulger
Llewellyn Sale
John V. Lawrence
William G. Becke
Hiram S. Liggett
Oliver Abel, Jr.
Harry W. Wiese
William B. Kountz
Louis H. Behrens
Howard Rusk
Julius Jensen
C. Malone Stroud
Kenneth Glaze
Louis H. Hempelmann
Charles Duden
J. Ted Jean
Louis F. Aitken
Elmer Richman
Joseph Bredbeck
Cyril MacBryde
Marshall Seibel
Lee B. Harrison
Karl Koenig
Milton Smith
Thomas Findley
Cecil M. Charles
Albert H. Hamel
Leon Bromberg
Edward Cannady
Harold Newman
Barrett L. Taussig
Leo Gottlieb
John Seddon
David Skilling
B. Y. Glassberg
Alan Eschenbrenner
Keith Wilson
John Smith
Paul Hageman

Resident
Edward Massie

Assistant Residents

Frank Reynolds
Norman J. Wilson
Ray D. Williams
Charles Rammelkamp
MEDICINE (Continued)

Interns

William Kaufman
John Lionberger
Arthur G. Ide
Daniel Glomset
William Rose
Italo D. Puppel
Marion Dakin
Robert Brookes

Artell E. Johnson
Eldred L. Gann
Robert W. Kelley
Frank M. Petkevich
James Burks
Harrison Wedig, Jr.
Alexander Mueller
Cornelius Meeker

Surgery

Surgeon in Chief
Evarts A. Graham

Associate Surgeons

Ernest Sachs
Vilray P. Blair

Malvern B. Clopton
J. Albert Key

Assistant Surgeons

Arthur O. Fisher
Major G. Seelig
J. Edgar Stewart
Warren R. Rainey
Glover H. Copher
Dalton K. Rose
Charles A. Stone
Duff S. Allen
Roland M. Klemme
Theodore P. Brookes
James B. Brown
Frederick A. Jostes
J. Hoy Sanford
Otto J. Wilhelm
Rogers Deakin

Robert Elman
Peter Heinbecker
Henry S. Brookes, Jr.
Nathan A. Womack
Clarence H. Crego, Jr.
Edward L. Keyes, Jr.
Franklin Walton
John Patton
Robert W. Bartlett
Leonard T. Furlow
Louis T. Byars
Brian Blades
H. Relton McCarroll
Bradford Cannon
Eugene Bucher

Voluntary Assistants

Alvah G. Heideman

Voluntary Assistants, Neurosurgery

Henry Wigderson
Henry G. Schwartz

Resident

George B. Sanders

Assistant Residents

Heins Haffner
Frank McDowell
Stephen Ellis
Thomas H. Burford

Emmett B. Drescher
Alfred Gellhorn
Samuel Harbison
Carl Lischner

Interns

Harold Elliott
James F. Nolan
V. O. Lundmark
Joe M. Parker

Lawrence M. Shefts
Warren F. Smith
Carl A. Wattenberg
BULLETIN OF WASHINGTON UNIVERSITY

OBSTETRICS AND GYNECOLOGY

Consultant
Harry S. Crossen

Obstetrician and Gynecologist in Chief
Otto H. Schwarz

Associate Obstetricians and Gynecologists
Frederick J. Taussig
Grandison D. Royston
Quitman U. Newell

Assistant Obstetricians and Gynecologists
Adolph G. Schlossstein
Otto St. Clair Krebs
Richard Paddock
Robert J. Crossen
Grover B. Liese
T. Kenneth Brown
Dudley R. Smith
Charles Drabkin
Myron W. Davis
Franz Arzt
Melvin A. Roblee
Francis J. Canepa

Residents
Herman Hutto

Assistant Residents
Frank A. Morrison
Hubert L. Allen

OTOLARYNGOLOGY

Otolaryngologist in Chief
Lee W. Dean

Assistant Otolaryngologists
Harry W. Lyman
Millard F. Arbuckle
Arthur W. Proetz
William L. Hanson
George E. Hourn
Arthur M. Alden
French K. Hansel
Bernard J. McMahon
James B. Costen
Louis E. Freimuth
Isaac D. Kelley, Jr.
Louis J. Birnser
Alfred J. Cone

Assistant Residents
Raymond S. Rosedale
Paul Hearn

Morton R. Lazar

Arthur R. Bortnick

Helen Gage
Fred W. Scherrer
Robert E. Votaw
L. C. Boemer
Harry N. Glick
A. Chesterfield Stutsman
Lee W. Dean, Jr.
H. M. Smit
Guerdan Hardy
William Bryan
Ben H. Senturia

Thomas Wesson
OTOLARYNGOLOGY (Continued)

Interns
Edward H. Lyman
Herbert Martin
Leonard Rosenthal

Physicist
Cordia C. Bunch

OPHTHALMOLOGY

Ophthalmologist in Chief
Lawrence T. Post

Associate Ophthalmologists
William E. Shahan
Meyer Wiener

Assistant Ophthalmologists
William F. Hardy
Frederick E. Woodruff
Max W. Jacobs
M. Hayward Post
Frederick O. Schwartz
Bennett Y. Alvis
William M. James
Harvey D. Lamb
Howard R. Hildreth

Resident
W. H. McKenzie

Assistant Resident
James Bryan

Interns
Orwyn Ellis
A. E. Meisenbach, Jr.

Extern
Dewey St. John

DERMATOLOGY

Dermatologist
Martin F. Engman

Assistant Dermatologists
Richard S. Weiss
Adolph H. Conrad
William G. Coleman

Mycologist
Morris Moore
NEUROPSYCHIATRY

Neurologist in Chief
David McK. Rioch

Psychiatrist in Chief
John Whitehorn

Psychologist
Carlyle Jacobsen

Neurologist
Sidney I. Schwab

Assistant Neurologists and Psychiatrists
Andrew B. Jones
Archie D. Carr
Val B. Satterfield
Louis Tureen
Paul Kubitschek
Hewitt L. Varney

PATHOLOGY

Pathologist
Howard A. McCordock

Intern
Louis H. Hempelmann, Jr.

RADIOLOGY

Roentgenologist
Sherwood Moore

Assistant Roentgenologists
Joseph W. Larimore
Oscar C. Zink
Wendell G. Scott

Resident
Allan Phillips

Assistant Resident
William Y. Burton

Interns
Thomas G. Russell
William M. Clopton

STOMATOLOGY AND DENTISTRY

Stomatologist
Virgil Loeb

Dentists
William B. Spotts
James A. Brown

Assistant Dentist
Lester H. Jasper

1 Died November 13, 1938.
THE SCHOOL OF MEDICINE

MISCELLANEOUS

Physiologist
Joseph Erlanger

Chemist
Philip A. Shaffer

Anthropologist
Robert J. Terry

Physician in Charge of Physical Therapeutics
Frank H. Ewerhardt

ST. LOUIS CHILDREN'S HOSPITAL

ADMINISTRATION

ESTELLE D. CLAIBORNE, R.N. . . . . . . . . . . . . . . Superintendant
ANNA BRANDNER, B.S., R.N. . . . . . . . . . . Assistant Superintendant
MARY M. REYNOLDS, R.N. . . . . . . . . . . Assistant Superintendant
MARJORIE M. MOORE, R.N. . . . . . . . . . . Superintendant of Nurses

PEDIATRICS

Physician in Chief
Alexis Frank Hartmann

Consulting Physicians
Borden Smith Veeder
Jean Valjean Cooke

Associate Physicians
Theodore C. Hempelmann
Hugh McCulloch

Assistant Physicians
Dorothy J. Jones
Paul E. Kubitschek
Sol Londe
Maurice J. Lonsway
Edith C. Robinson
Edwin H. Rohlfing
Wayne A. Rupe
H. Ewing Wachter
Park J. White
Paul J. Zentay

SURGERY

Surgeon in Chief
Evarts Ambrose Graham

Consulting Surgeon
Malvern B. Clopton

Associate Surgeons
Glover H. Copher
Robert Elman
Peter Heinbecker
Dalton Keats Rose
BULLETIN OF WASHINGTON UNIVERSITY

SURGERY (Continued)

Assistant Surgeons
Duff S. Allen
Robert W. Bartlett
Brian B. Blades
Eugene M. Bricker
Theodore P. Brookes
Louis T. Byars
Clarence H. Grego
Rogers Denkin
Arthur O. Fisher
Leonard T. Furlow
Frederick A. Jostes
Edward L. Keyes
Roland M. Klemme
Warren R. Rainey
Joseph H. Sanford
Joseph E. Stewart
Charles A. Stone
Franklin E. Walton
Otto J. Wilhelmi
Nathan A. Womack
H. Relton McCarroll
Henry Schwartz

OTOLARYNGOLOGY

Otolaryngologist
Lee Wallace Dean

Associate Otolaryngologists
Cordia C. Bunch
Harry W. Lyman
Arthur W. Proetz

Assistant Otolaryngologists
Arthur M. Alden
Millard F. Arbuckle
Louis J. Birmer
Lilburn C. Boemer
William T. K. Bryan
Alfred J. Cone
James B. Costen
Lee W. Dean, Jr.
Louis E. Freimuth
Helen L. E. Gage
Harry N. Glick
French K. Hansel
William L. Hanson
Guerdan Hardy
George E. Hourn
Isaac D. Kelley, Jr.
Bernard J. McMahon
Allen E. Potter
Frederick W. Scherrer
Ben H. Senturia
Herbert M. Smit
Albert C. Stutsman
Robert E. Votaw

OPHTHALMOLOGY

Ophthalmologist
Lawrence Tyler Post

Consulting Ophthalmologists
Meyer Wiener
William E. Shahan
Frederick E. Woodruff

Assistant Ophthalmologists
Bennett Y. Alvis
Edmund B. Alvis
Alan D. Calhoun
H. Rommel Hildreth
William M. James
Adolph Lange
Harry D. Rosenbaum
Theodore E. Sanders

DENTISTRY

Dentist
Benno E. Lischer

Assistant Dentists
Robert A. Harris, Jr.
Roy C. Mallory
Ruth E. Martin
THE SCHOOL OF MEDICINE

DERMATOLOGY

Dermatologist
Martin Feeney Engman

Assistant Dermatologists
Richard S. Weiss
Clinton W. Lane

Martin F. Engman, Jr.

GYNECOLOGY

Gynecologist
Otto Henry Schwarz

Consulting Gynecologist
Harry S. Crossen

Associate Gynecologists
Quitman U. Newell
Grandison D. Royston

T. Kenneth Brown

Assistant Gynecologists
Frank B. McNalley
Richard Paddock
Robert J. Crossen

John E. Hobbs
Carl R. Wegner

NEUROPSYCHIATRY

Neurologist
David McK. Rioch

Psychiatrist
John Whitehorn

Psychologist
Carlyle F. Jacobsen

Consulting Neurologist
Sidney I. Schwab

Assistant Neurologists
Archie D. Carr

Andrew B. Jones

PATHOLOGY

Pathologist
Howard A. McCordock

Assistant Pathologists
Margaret G. Smith

Walter J. Siebert

RADIOLOGY

Radiologist
Sherwood Moore

Assistant Radiologists
A. Norman Arneson
Joseph W. Larimore

Wendell G. Scott
Oscar C. Zink

1 Died November 18, 1988.
BULLETIN OF WASHINGTON UNIVERSITY

MISCELLANEOUS

Chemist
Philip Anderson Shaffer

Assistant Chemist in Metabolism
Anne Macgregor Perley

Physiologist
Joseph Erlanger

Physician in Charge of Physical Therapeutics
Frank H. Ewerhardt

Bacteriologist
Jacques J. Bronfenbrenner

Associate Bacteriologist
Louis A. Julianelle

Resident
Eleanor Rector

Assistant Residents
Edgar E. Hitchcock
Henry Saunders

Junior Residents
Alfred E. Schwarts
C. C. Terrell, Jr.
Ruth E. Brinker

Interns
John D. Stull

ST. LOUIS MATERNITY HOSPITAL

MARY J. KEITH . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Superintendant

OBSTETRICS AND GYNECOLOGY

Consultants in Obstetrics and Gynecology
Harry S. Crossen
Hugo Ehrenfest

Obstetrician and Gynecologist in Chief
Otto H. Schwarz

Associate Obstetricians and Gynecologists
Frederick J. Taussig
Grandison D. Royston
Quitman U. Newell
Thomas Kenneth Brown

Assistant Obstetricians and Gynecologists
Adolph G. Schlossstein
Robert J. Crossen
Grover B. Liese

Frank P. McNalley
Charles D. O’Keefe
Richard Paddock
Otto S. Krebs

Samuel D. Soule
Kevin C. Morrin
Willard C. Scrivner
OBSTETRICS AND GYNECOLOGY (Continued)

Assistant Obstetricians and Gynecologists

Dudley R. Smith
Charles Drabkin
Myron W. Davis
Franz Arzt
Melvin A. Roblee
Francis J. Canepa
Carl R. Wegner
John E. Hobbs
John B. O'Neill

Frances H. Stewart
A. Norman Arneson
Hans L. Kleine
Heiman C. Wasserman
George J. L. Wulff
Ora James Gibson
Leslie E. Patton
Paul F. Max

Resident Obstetricians and Gynecologists

Arthur R. Bortnick
Frank A. Morrison
Hubert L. Allen

Herman Hutto
Morton R. Lazar

Interns

Irwin T. Craig
Herman L. Gardner
Willis H. Hayward
William L. Jennings

William P. Maury, Jr.
Edward H. Seiber
Robert E. Van Wickle

PEDIATRICS

Pediatrician in Chief
Alexis F. Hartmann

Consultant Pediatricians
Borden S. Veeder
Theodore C. Hempelmann

Associate Pediatricians
Jean V. Cooke
Hugh McCulloch

Assistant Pediatricians

Helen Aff
Katherine Bain
Joseph A. Bauer
Russell J. Blattner
Adrien Bleyer
Max Deutch
Lawrence E. Goldman
Stanley L. Harrison
Frederick A. Jacobs
Joseph C. Jaudon

Dorothy J. Jones
Paul E. Kubitschek
Sol Londe
Maurice J. Lonsway
Edith C. Robinson
Edwin H. Rohlffing
Wayne A. Rupe
H. Ewing Wachter
Park J. White
Paul J. Zentai

MEDICINE

Physician
David P. Barr

Associate Physicians

Harry L. Alexander
Julius Jensen

Charles W. Duden
SPECIAL DEPARTMENTS

Pathologist
Howard A. McCordock
Resident Pathologist
Louis H. Hempelmann, Jr.
Otolaryngologist
Lee W. Dean
Assistant Otolaryngologists
Robert Votaw
Ophthalmologist
Lawrence T. Post
Assistant Ophthalmologists
M. Hayward Post
Max W. Jacobs
Dermatologist
Martin F. Engman
Assistant Dermatologists
Richard S. Weiss
Clinton W. Lane
Neurologists
Martin F. Engman, Jr.
Psychiatrist
John C. Whitehorn
Roentgenologist
Sherwood Moore
Stomatologist
Virgil Loeb

\[\text{Died November 13, 1938.}\]
WASHINGTON UNIVERSITY CLINICS
Outpatient Departments of the Barnes, the St. Louis
Children’s, the St. Louis Maternity and
the McMillan Hospitals

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Physicians to Outpatients
John Horner Harold Scheff

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Sidney I. Schwab

Physicians to Outpatients
Robert M. Bell Paul Edward Kubitschek
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Joseph Gitt John C. Whitehorn
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Psychologist
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MEDICAL DIVISION
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Louis F. Aitken
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Rogers Deakin
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Pediatrician
Frederick A. Jacobs

DERMATOLOGICAL CLINIC

Dermatologist in Chief
Martin F. Engman

Chief of Clinic
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Physicians to Outpatients
Adolph H. Conrad
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Irwin H. Eskeles
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Assistant Physicians to Outpatients
Clinton W. Lane
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Evarts A. Graham

GENERAL SURGERY DIVISION

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Robert Elman

Surgeons to Outpatients
Ernest Sachs
Glover H. Copher
Warren R. Rainey
J. Barrett Brown
Robert Bartlett
Franklin Walton
Burchard Pruett

Assistant Surgeons to Outpatients
Nathan Womack
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Peter Heinbecker
Edwin C. Schmidtke
Max M. Goldenberg
Gerhard E. Gruenfeld

GENITOURINARY DIVISION

Chief of Clinic
Rogers Deakin

Assistant Surgeons to Outpatients
John Patton
K. O. Wilson
Carl J. Althaus

ORTHOPEDIC DIVISION

Chief of Clinic
J. Albert Key

Surgeons to Outpatients
Charles A. Stone
J. Edgar Stewart
Frederick A. Jostes

Assistant Surgeons to Outpatients
Frank H. Ewerhardt
Theodore P. Brookes
H. L. Thieme
THE SCHOOL OF MEDICINE

PEdiATRiC CLINiCS

Pediatrician in Chief
Alexis F. Hartmann

Chief of Clinic
Jean V. Cooke

GEneRAL PEdiATRIc DIViSION

Physician in Charge
Jean V. Cooke

Physicians to Outpatients
Frederick A. Jacobs
Max Deutch

Assistant Physicians to Outpatients
Sol Londe

Voluntary Assistant
Marianne Kuttner

ALlERGY DIViSION

Physician in Charge
Katherine Bain

CARDiAC DIViSION

Physician in Charge
Hugh McCulloch

COncENTrATiONAL SPHYLiS DIViSION

Physician in Charge
Edwin H. Rohlfing

WELL BABy DIViSION

Physician in Charge
Jean V. Cooke

OBSTETRiCAL AND GYNECOLOGICAL CLiNiC

Obstetrician and Gynecologist in Chief
Otto H. Schwarz

Chief of Gynecological Clinic
John E. Hobbs

Chief of Obstetrical Clinic
Dudley R. Smith

Obstetricians and Gynecologists to Outpatients
Quitman U. Newell
T. Kenneth Brown
Karl J. Balazs
Otto S. Krebs
Carl R. Wegner
Grover B. Liese

Assistant Obstetricians and Gynecologists to Outpatients
Francis J. Canepa
Frances H. Stewart
Kevin C. Morrin
Willard C. Scrivner
John B. O’Neill
Hans L. Kleine
Helman C. Wasserman
George J. L. Wulf, Jr.

Charles Drabkin
Robert J. Crossen
Samuel D. Soule
A. Norman Arneson
Melvin A. Roblee
Myron W. Davis

Ora James Gibson
Leslie E. Patton
Paul F. Max
Arthur R. Bortnick
Herman Hutto
Frank A. Morrison
Hubert L. Allen
Morton R. Lazar
OPHTHALMOLOGICAL CLINIC

Ophthalmologist in Chief
Lawrence T. Post

Chief of Ophthalmological Clinic
Adolph C. Lange

Ophthalmologists to Outpatients
William E. Shahan
Meyer Wiener
William F. Hardy
Frederick E. Woodruff
M. Hayward Post
Frederick O. Schwartz
Max W. Jacobs
Bennett Y. Alvis
Grover H. Poos
Carl C. Beisbarth
William M. James
H. Rommel Hildreth
J. S. Crawford
T. E. Sanders

Assistant Ophthalmologists to Outpatients
Notley W. Hawkins
W. H. Meinberg
Alan D. Calhoun
E. B. Alvis
Harry Rosenbaum

OTOLARYNGOLOGICAL CLINIC

Otolaryngologist in Chief and Chief of Clinic
Lee W. Dean

Associate Chiefs of Clinic
Harry W. Lyman
Millard F. Arbuckle
Arthur W. Proetz
Arthur M. Alden
French K. Hansel

Surgeons to Outpatients
George E. Hourn
Isaac D. Kelley, Jr.
James B. Costen
Bernard J. McMahan
Alfred J. Cone
Louis J. Birsner

Assistant Surgeons to Outpatients
Harry N. Glick
Helen Gage
Allen B. Potter
Lilburn C. Boemer
F. W. Scherrner
Robert Votaw
A. C. Stutsman
Guerdan Hardy
L. W. Dean, Jr.
H. M. Smit
W. K. Bryan
Ben H. Senturia

THE ST. LOUIS CITY HOSPITAL

Visiting Physicians and Surgeons to the City Hospital and other City institutions are designated by Washington University to act as follows:

INTERNAL MEDICINE

Visiting Physicians

Thomas Findley
Julius Jensen
Leon Bromberg
Harry L. Alexander
David P. Barr
Walter Baumgarten
Carl Moore
Karl Koenig
Cecil Charles
Sim Beam
Walter Fischel
Llewellyn Sale
Albert Taussig

1 Appointed by the City upon nomination by the University.
NEUROPSYCHIATRY
Visiting Physicians
John C. Whitehorn (Section Head)
Archie Carr

DOMATIOLGY AND SYPHILIOLOGY
Visiting Physicians
Clinton W. Lane (Section Head)

GENERAL SURGERY
Visiting Surgeons
Peter Heinbecker (Section Head)
Robert Elman

PLASTIC SURGERY
Visiting Surgeons
J. Barrett Brown (Section Head)

NEUROLOGICAL SURGERY
Visiting Surgeons
Leonard T. Furlow (Section Head)

ORTHOPEDIC SURGERY
Visiting Surgeons
J. Albert Key (Section Head)
Theodore P. Brookes
Fred A. Jostes

UROLOGY
Visiting Surgeons
John F. Patton (Section Head)

EAR, NOSE AND THROAT, AND BRONCHOSCOPY
Visiting Surgeons
Allen B. Potter (Section Head)

Consultant
Arthur W. Proetz

OPHTHALMOLOGY
Visiting Surgeons
Lawrence T. Post (Section Head)
Grover H. Poos
A. D. Calhoun

OBSTETRICS AND GYNECOLOGY
Visiting Surgeons
T. Kenneth Brown (Section Head)
Dudley R. Smith

Consultant (Toxemias of Pregnancy)
Carl R. Wegner

The facilities of the Isolation Hospital and the City Sanitarium are available for the use of the faculty.
HISTORICAL STATEMENT
THE SCHOOL OF MEDICINE

The teaching of medicine west of the Mississippi river began in the first half of the 19th century in response to the need of doctors for the rapidly growing populations of the Valley and the West. The first schools were established in existing collegiate institutions, the Roman Catholic St. Louis University, chartered in 1832, and the Protestant Episcopal Kemper College, incorporated in 1837. Courses of instruction were offered by the Medical Department of Kemper College the fall and winter of 1840-41, and by the Medical Department of St. Louis University in 1842-43. From these origins two medical schools were developed, to be known later as the Missouri Medical College and the St. Louis Medical College.

Kemper College was closed in 1845, and in the following year Dr. Joseph Nash McDowell, the founder of its medical department, succeeded in establishing his faculty by legislative act in the State University of Missouri. In 1855 connection with the State University terminated and the Missouri Medical College, an independent school, was incorporated. In the same year, the faculty of the Medical Department of St. Louis University, through the leadership of Dr. Charles Alexander Pope, established the St. Louis Medical College, an institution which maintained independent status until 1891 when it became affiliated with Washington University. The work of McDowell's School was interrupted by the Civil War, but was resumed afterwards in new buildings, and again (1886) affiliated with the University of Missouri for a brief period. Finally, in 1899, in its second period as an independent school, it was united with the St. Louis Medical College in the Washington University Medical Department. The Medical Fund Society, an association of members of the St. Louis Medical faculty, created (1872-75) an endowment fund for the support of teaching.

The Washington University Medical Department was established in 1891 by the affiliation of the St. Louis Medical College with the University. Eight years later, on the union of the Missouri Medical College with the Department, the faculty

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1 For a complete historical statement of all departments of the University see bulletin of the College of Liberal Arts.
was enlarged, clinical facilities were increased, additional space and equipment were obtained, the curriculum was strengthened and greater opportunity for investigation provided. The Missouri Medical College building on Jefferson Avenue was remodeled and converted into the Washington University Hospital for teaching purposes and at this time (1905) the Maternity Department was opened and the Training School for Nurses begun. The Polyclinic Hospital, with an addition, became the Washington University Dispensary. The Martha Parsons Children's Hospital was affiliated in 1906.

In 1910 the Corporation of the University, appreciating the value of the service a medical school gives to the community, with the cooperation of the Medical Faculty, reorganized the School in all departments and appointed heads of departments and instructors in anatomy, physiology, biological chemistry, pathology, medicine, surgery, and pediatrics, who devote themselves to teaching and research, and associated with this staff clinical instructors chosen from the medical profession of St. Louis. These changes were made with the aid of funds donated by philanthropic citizens of St. Louis. The inspiration for this movement came from the late Robert Somers Brookings, President of the Corporation, who contributed his fortune toward the realization of his plans.

For four years the reorganized school continued to occupy the laboratory and clinic building erected by the Medical Fund Society on Locust Street, and as the University Hospital the building on Jefferson Avenue formerly used by the Missouri Medical College.

In 1914 the Washington University Medical School moved from these locations on Locust Street and on Jefferson Avenue to the new buildings facing Forest Park on the corner of Kingshighway Boulevard and Euclid Avenue. The three buildings of the School of Medicine form a part of a medical group, which includes in addition the Barnes Hospital, the St. Louis Children's Hospital, the St. Louis Maternity Hospital, the McMillan Eye, Ear, Nose and Throat Hospital, the Oscar Johnson Research Institute and the Edward Mallinckrodt Institute of Radiology. The McMillan Eye, Ear, Nose and Throat Hospital, the Oscar Johnson Institute and the Edward Mallinckrodt Institute of Radiology are owned by the University. The Barnes Hospital, the St. Louis Children's Hospital and the St. Louis Maternity Hospital, owned each
by a separate Board, entered into an affiliation with the University by which the Faculty of the School of Medicine constitutes the medical staffs and uses the wards for teaching and investigation.

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

CLINICAL FACILITIES

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

Members of the Faculty of the School constitute 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 opportunities for instruction in the care of ambulatory patients.

About 125,000 visits are made yearly to the Washington University Clinics in all departments. The Barnes Hospital furnishes facilities for 450 potential beds, allocated mainly to the departments of medicine and surgery. The St. Louis Children's Hospital has 208 beds and the St. Louis Maternity Hospital 100 beds plus 100 bassinets. Patients on the ophthalmological and otolaryngological services of the McMillan Clinic are assigned to the various hospitals.

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

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

The School is responsible also for the care of one-third of the patients in the St. Louis City Hospitals, the staffs for certain units being chosen by the faculty from its members. The facilities of these large and varied hospital services are being increasingly used for teaching and research. The Isolation Hospital (for contagious disease), the City Sanitarium (for mental disease) are also used for study and teaching. Through arrangement with its staff, students observe patients in the St. Louis Shriners' Hospital for Crippled Children, which adjoins the Medical School.

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

LIBRARY OF THE SCHOOL OF MEDICINE

The Library is housed in one of the buildings of the School of Medicine. It contains (October 1, 1938) 54,106 bound volumes and receives 521 medical periodicals, selected with reference to the needs of students and investigators. Including obsolete journals, there are 733 complete sets of periodicals.

The library has acquired by gift and by purchase a number of private collections on medical history and on the various branches of clinical medicine. Among these is the collection of manuscripts, letters and other valuable material of the pioneer American physiologist, William Beaumont. A special room,
by a separate Board, entered into an affiliation with the University by which the Faculty of the School of Medicine constitutes the medical staffs and uses the wards for teaching and investigation.

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the Beaumont Room, has been set aside in perpetuity for the exhibition of this priceless collection of documents.

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

The library is open week days from 8:30 a.m. to 10:00 p.m. During the summer vacation the hours are 9:00 a.m. to 5:00 p.m.
REQUIREMENTS FOR ADMISSION TO SCHOOL OF MEDICINE

The first year class is now limited to eighty-two students. Since the number of applicants considerably exceeds the number who can be accommodated, those applicants are selected for acceptance who, on the basis of scholarship and other qualities, appear best fitted to take up the study of medicine.

Consideration is given to the quality rather than the quantity of the student’s preparation. Personality, attitude, background, health and initiative are all taken into consideration in selecting candidates.

Applications for admission should be filed at as early a date as possible, and under any circumstances before March 1 of the year during which admission is sought. Applicants will be required to take the aptitude test of the Association of American Medical Colleges, except where specifically excused by the School.

An applicant acceptable to the faculty is required to make a deposit of fifty dollars, which shall be in the hands of the Registrar within ten days after notification of acceptance. This deposit of fifty dollars will be applied toward the first payment of tuition, provided the applicant enters during the term for which the application was accepted. The deposit is not returnable.

If a new student does not register on one of the days set aside for that purpose his place in the class may be given to some other applicant.

Students may be admitted to the first year class on compliance with the following scholastic requirements; provided evidence is presented to indicate also the possession of suitable personal qualifications.

(1) The completion of college courses equivalent or approximately equivalent to those given in leading colleges or universities, leading to a Bachelor’s degree. The college work should have included not less than the equivalent of 6 semester hours of English, 10 of German or French, 15 of Chemistry (in the case of students who present high school credits in French or German for entrance to college, the following college credits will be accepted, provided the college courses are in continuation of and do not duplicate the high school work: Eight semester hours following one high school unit, six semester hours (Footnote continued on page 56).
including elementary quantitative analysis and 4 in organic), 8 of General Physics and 8 of Zoology.

(2) A limited number of applicants from acceptable colleges who meet the minimum subject requirements mentioned above, but who have completed less than four years of college work, may be admitted if they have demonstrated exceptional aptitude for the study of medicine as shown by high scholastic standing, by high scores on the medical aptitude test and by the estimates of individual instructors.

Students are not accepted on this basis who present a total of less than 90 semester hours.

High ranking students who have or have not received the Bachelor's degree on admission, may become candidates for that degree under certain conditions. (See page 60).

**REQUIRED SUBJECTS**

The college course pursued by students intending to take up the study of medicine should include the following:

**ENGLISH.** Two years of English covering composition and rhetoric.

**GERMAN OR FRENCH.** It is highly desirable that students of medicine have such acquaintance with French and German as to enable them to read medical and scientific publications in these languages. Courses extending through two years are usually necessary to acquire a reading knowledge of either language.

**PHYSICS.** A course in general physics, including laboratory work, which should be largely quantitative in character.

**CHEMISTRY.** General inorganic chemistry, elementary quantitative analysis, and organic chemistry are required.

**ZOOLOGY.** Courses in general zoology, covering a study of the structure, functions, and life history of selected types of animal life. Unless these courses include embryology, a separate course in this subject is extremely desirable.

**ELECTIVE COURSES**

It is recommended that students preparing themselves for the study of medicine so arrange their courses as to acquire a more extensive knowledge of the subjects which are the foun-
dation of the medical sciences than can be obtained in the
courses included in the minimum requirement. The field cov-
ered by the practice of medicine and by the medical sciences is
so broad that those whose special interests and capabilities
lead them to an intensive study of either physics, chemistry,
or biology are sure to find an application for the skill they
acquire.

Chemistry has the greatest number of applications and stu-
dents will therefore find it to their advantage, wherever pos-
sible, to add other courses in chemistry, particularly elemen-
tary physical chemistry, to those previously mentioned.

Mathematics should be included as early as possible among
the courses selected because it furnishes concepts fundamental
to the other sciences. The necessary mathematical experience
can be gained in a college course in mathematical analysis. A
knowledge of the elementary principles of the calculus should
be acquired by those who are mathematically inclined.

Courses in psychology, general physiology and general bac-
teriology will prove useful, but in general it is advised that the
college period be devoted rather to the basic sciences mentioned
above and also to the humanities. Those preparing to enter
the medical profession should possess a liberal culture such
as may be gained from an acquaintance with English litera-
ture, from a knowledge of history, the social sciences and the
classics. Especial effort should be given to acquiring facility
in the clear and accurate use of the English language.

Formal application blanks will be furnished upon request.
After supplying all information called for therein, the appli-
cant should return the blanks and, in addition, should request
his college to send directly to the Registrar a statement of
honorable dismissal, and complete official transcripts of high
school and college credits. To aid in judging the fitness of an
applicant, personal letters to the Dean from the student's sci-
ence instructors, giving estimates of his ability, character and
personality, must be submitted.

ADMISSION TO ADVANCED STANDING

Applications for advanced standing will be considered only
insofar as there are vacancies in the advanced classes. They
should be filed at as early a date as possible, and under any
circumstances before March 1 of the year during which admis-
sion is sought. Only those students who have unconditional
standing in the medical schools from which they seek to be accredited will be accepted for admission to advanced classes. An applicant acceptable to the faculty is required to make a deposit of fifty dollars, which shall be in the hands of the Registrar within ten days after notification of acceptance. This deposit of fifty dollars will be applied toward the first payment of tuition, provided the applicant enters during the term for which the application was accepted. The deposit is not returnable.

Applicants for admission to advanced standing (1) must furnish evidence that the foregoing terms in regard to preliminary training have been fulfilled; (2) 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 (3) in doubtful cases may be required to pass an examination in any of the subjects for which credit is sought. The applicant 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 admission is sought.

(a) Students who have received from an approved medical school credit for courses equivalent to those of the first year of this School in anatomy, chemistry, and physiology may be admitted to the second year class without examination, but at the discretion of instructors, may be examined in these subjects at the end of the second year. (b) Students who have received from an approved medical school credit in anatomy, chemistry, physiology, bacteriology, clinical chemistry and microscopy, pathology, and pharmacology may be permitted to enter the third year class. At the discretion of instructors, such students may be examined in any of these subjects at the end of the third year. (c) Students who have received credit from an approved medical school for all required courses given in this School in the first, second, and third years may be admitted to the fourth year class without examination, but all such students at the end of the year may be required to pass examinations covering any or all of the courses of the first, second, or third, as well as of the fourth year. Only rarely are new students accepted for the fourth year class.

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

ADMISSION OF GRADUATES IN MEDICINE

Graduate students may be admitted to the School on the following basis: (1) Those regarded as qualified to participate in investigation under the direction of a member of the staff, may, upon the written recommendation of the instructor in charge, endorsed by the head of the department, be accepted by the Faculty as volunteer research assistants and will not be charged fees. (2) Visiting graduates may, with the consent of the heads of the departments concerned, take special work in one or more departments without paying fees. (3) 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. (4) A number of special courses are offered concerning which full information will be given upon request. (See page 93.)

STANDING AND PROMOTION

To enter any course, the student must have fulfilled the prerequisites of that course, as stated in the bulletin.

The standing of students is determined by the average of the grades assigned by the several departments weighted in proportion to the number of hours taken. The passing grade in an individual course is 70 but a weighted average of less than 75 is regarded as unsatisfactory.

Promotion from one class to another is based on a review of the general standing and fitness of the student by Committees on Standing and Promotion, of which there are two, one for the first two years and one for the last two. Each of the departments concerned may be represented on these committees by three members, of which but one is entitled to vote. The decisions of the Committees are guided by rules which have been adopted by the Faculty.

(a) Students who at the end of the first or second year have recorded against them failures in any two of the following
subjects, dissection, histology with neurology, physiology, biological chemistry, medicine, pathology or bacteriology, will be required to withdraw from the School; or, under exceptional conditions, the student may be allowed instead to pursue additional work in the subjects in which he is deficient before being admitted to the next class.

(b) To enter the third year, a student must have received credit for all of the courses named above.

(c) A student who at the end of the third year has failed in any two major courses, will be required to withdraw from the School, or may be required to do additional work as stated above.

(d) To enter the fourth year, a student must have received credit for all major subjects.

(e) A student who, because of poor quality of work in courses, or for any other reason, is judged by the Committee as unfit for the practice of medicine, will be required to withdraw. A weighted average of less than 75 in any one year ordinarily will be regarded as indicative of unsatisfactory work.

The registration of a student may be canceled at any time if in the opinion of the University authorities his further attendance is deemed undesirable. In that case a pro rata refund of the tuition will be made.

REQUIREMENTS FOR DEGREES

DOCTOR OF MEDICINE

The candidates must be more than twenty-one years of age and of good moral character. They must have attended not less than four annual courses of medical instruction as matriculated medical students, the last of which has been in this School. They must have taken all obligatory courses offered here, or their equivalent, and have received a satisfactory grade in the work of the entire four years. They must have discharged all indebtedness to the School, and must be present when the degree is conferred.

At the end of the fourth year students who have fulfilled these requirements will be recommended for the degree of Doctor of Medicine.

BACHELOR OF SCIENCE IN MEDICAL SCIENCE

High ranking students admitted without the Bachelor's degree may become candidates during the course for the degree
of Bachelor of Science in Medical Sciences, provided the quality of work done in required courses is satisfactory and permits of the necessary additional study. Students who already hold the Bachelor's degree may become candidates on the same basis. Acceptance as candidates for this degree is granted not earlier than after completion of the courses of the first year. Requirements for the degree are the satisfactory conduct of an investigation in one of the medical sciences and the preparation of an acceptable thesis, which must be presented to the head of the department concerned by May 1st of the year the degree is to be awarded. Compliance with the requirements for this degree will not usually be attained before the end of the third or fourth year.

HOSPITAL APPOINTMENTS

An internship in an approved hospital for one or more years is recognized as a necessary preparation for the practice of medicine and all members of the graduating class except those preparing for a career in laboratory work are expected to arrange for internships. During the first part of the senior year, students are expected to confer with the Faculty Adviser on Internships relative to obtaining suitable hospital appointments.

Internships in the hospitals affiliated with Washington University are available to those having had a consistently high record throughout the medical course. About forty-four intern appointments are at the disposal of the School. They are made by the Intern Committee of the School during the month of December, each year.

PRIZES

Two George F. Gill Prizes are offered to the students of the School, viz.:

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

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

A prize is offered by the Alpha Omega Alpha Fraternity, to be awarded at the end of the fourth year to the member of that class who shall have made the highest general average for the entire medical course.
The Alexander Berg Prize of one hundred dollars is awarded to a student of high general standing who presents the best results in research in bacteriology.

**LEO LOEB LECTURESHIP**

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

**ROBERT J. TERRY LECTURESHIP**

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

**FELLOWSHIPS, STUDENT ASSISTANTSHIPS, AND SCHOLARSHIPS**

A Surgical Fellowship is awarded in the Department of Surgery for special neurological work. The stipend is $1,200.00 per year. Candidates must be graduates in medicine. Applicants who have had one year's internship are preferred.

A Memorial Fellowship with a stipend of $500.00 or $600.00 is supported by a gift from an anonymous donor in memory of his brother. It is awarded for one year to a graduate of the School, preferably to a woman, for post-graduate study in anaesthesia, radiology, pathology, clinical pathology, immunology, public health or related fields. Application may be made to the Dean.

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.

The George F. Gill Scholarship, instituted in memory of the late Dr. George F. Gill, Clinical Professor of Pediatrics, entitles the holder to remission of the tuition fee to the amount of $100.00. Applications should be filed with the Dean.

The Alumni Scholarship Award of $100.00 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. Applications should be filed with the Dean.
The Dr. John B. Shapleigh Scholarship. Through a bequest of the late Dr. John B. Shapleigh, supplemented by contributions of the late Mrs. John B. Shapleigh and Miss Margaret Shapleigh, a fund has been established the annual income from which is used to pay the tuition of students who may be in need of assistance. The selection of the students to receive the benefit and the amounts awarded are determined by the Chancellor of the University on the recommendation of the Dean and the Executive Faculty. Applications should be filed with the Dean.

The Jackson Johnson Fund. Under the will of the late Jackson Johnson the sum of $250,000.00 was donated to the University, the income to be used to aid worthy and desirable students in acquiring and completing their medical education.

From this fund a number of Honor Scholarships have been provided for students of outstanding ability and promise of high achievement who are applicants for the first year class. Each scholarship carries an annual stipend of at least $300.00 and not more than $1,000.00. The awards may be renewed for later years of the medical course. A few students of exceptional ability and personal fitness may thus receive both the distinction implied in the award and a substantial contribution toward the cost of their preparation for later service in medicine or medical science. Applications should be filed with the Dean.

Loans are available to students in the upper three classes of the School who are considered deserving on the basis of financial need, scholastic attainment and character. The loans are granted by the Chancellor on the recommendation of the committee on Loans and Scholarships and the Dean.

The Eliza McMillan Student Aid Fund. From the bequest of the late Mrs. Eliza McMillan, the annual income on $7,000.00 provides a scholarship for a deserving woman student in the School of Medicine. Application may be made to the Dean, the award being made by the Chancellor.

The T. Griswold Comstock Scholarships. Through the bequest of the late Mrs. Marilla E. Comstock, the annual income from $12,000.00 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. Application may be made to the Dean. Awards are made by the Chancellor.
THE JOSEPH H. ROBLEE SCHOLARSHIPS. Through the gift of Mrs. Florence A. Roblee (Mrs. Joseph H. Roblee), the income from the Joseph H. Roblee Scholarship Endowment Fund of $12,000.00 is used to maintain two scholarships annually. They are awarded by the Chancellor to qualified, worthy and deserving students in any division of the University.

THE ROBERT ALLEN ROBLEE SCHOLARSHIPS. Through the gift of Mrs. Florence A. Roblee (Mrs. Joseph H. Roblee) the income from the Robert Allen Roblee Scholarship Endowment Fund of $15,000.00 provides one or more scholarships for qualified, worthy, and deserving students. Application is made to the Dean of the School of Medicine. The award is made by the Chancellor.

REGISTRATION

Registration for the first half year, 1939-40, is scheduled for Tuesday, September 26, and Wednesday, September 27, 1939; for the second half year, Monday, February 5, 1940. Hours for registration are 9 to 11:30 and 2 to 5 daily.

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

FEES AND EXPENSES

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

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

Checks should be made payable to Washington University.

MATRICULATION FEE

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

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

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

BREAKAGE DEPOSIT

Each student is required to deposit $10.00 annually to cover breakage in the School of Medicine, clinics and hospitals. Any balance of this deposit will be returned at the end of each year. At any time the amount of breakage exceeds the amount of deposit an additional deposit will be called for. There are no other laboratory fees.

UNIVERSITY HEALTH SERVICE

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

STUDENT ACTIVITIES

A fee of $10.20 a year, payable in two installments (one at the beginning of each semester) is charged all undergraduate students in the University for the support of athletics and several other student activities. This fee is under the control of the Board of Student Finances and provides admission to all athletic events and participation in certain other student activities. Students in the Medical School having a Bachelor's degree are exempt from payment of this fee, but if the fee is paid by them it carries the same privileges as available to other students.

DIPLOMA FEE

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

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

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

ESTIMATE OF EXPENSES

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

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

MEN'S DORMITORY OF THE SCHOOL OF MEDICINE

A dormitory building containing rooms for about fifty students is situated in close proximity to the School. A tennis court is available in the rear of the building, and there are public golf links, tennis courts and baseball grounds in nearby Forest Park. Each occupant must furnish his own sheets, pillow cases, counterpanes and blankets; otherwise the rooms are completely furnished.

The rental of a room is $90.00 an academic year, payable in two installments in advance, at the beginning of the school year and on February 1. Reservations are made upon the understanding that the applicant agrees to occupy the room reserved until the close of the ensuing academic year. Application for reservation should be made to the Registrar of the School, and must be accompanied by a reservation fee of $10.00. This fee will be returned should the room not be
assigned, but it will not be refunded for any other reason. If a room is assigned, the fee will not apply on the room rent, but will be held by the University to cover losses resulting from possible damage to the room or furniture. Any portion not so used will be refunded.

GENERAL PLAN OF INSTRUCTION

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

The course of study required of candidates for the degree of Doctor of Medicine is designed for students who have already received certain preliminary training. As stated in detail on p. 55, the student on entering the School must have a knowledge of chemistry, physics, zoology, English and either German or French.

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

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

The second period, extending through the last two years, is devoted primarily to clinical work. The student receives practical instruction in the clinics and in the hospital wards of medicine, surgery, obstetrics and pediatrics and of the medical and surgical specialties. The work in the clinics occupies from
six to eight hours per week for a year or more. Here the stu-
dents under supervision act as physicians and as surgical
dressers. During his assignment to the wards of the hospitals
the student at first is given practice and instruction in history
taking, physical examination and elementary diagnosis and
may then spend his entire day in the wards with duties differ-
ing little from those of a junior intern. During this period
courses are given in neurological pathology, surgical and gyne-
cological pathology and in operative surgery on animals. Spe-
cial emphasis is placed upon diagnosis of disease and treat-
ment of patients. There are few purely didactic lectures. In-
struction is given in clinics and at the bedside.

The scheduled courses, required of all students, occupy about
thirty hours a week during thirty-three weeks in each school
year. As far as possible the schedules are arranged so as to
leave free several half days each week. Students who profit-
ably can are encouraged to carry during such free time, and
also during the summer, additional work in the subjects of
their greatest interest. During any stage of his training the
student may avail himself of the opportunity to further any
special interest he may have in any one of the fundamental
sciences or clinical subjects for which he can supply the pre-
requisites.

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

With the approval of the head of the department concerned,
a limited number of well qualified students may be allowed to
complete their clinical clerkships during the summer months.
# SUMMARY OF THE MEDICAL CURRICULUM

## FIRST YEAR

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dissection</td>
<td>395</td>
</tr>
<tr>
<td>Histology</td>
<td>201</td>
</tr>
<tr>
<td>Neuroanatomy</td>
<td>100</td>
</tr>
<tr>
<td>Biological Chemistry</td>
<td>264</td>
</tr>
<tr>
<td>Physiology</td>
<td>64</td>
</tr>
<tr>
<td>Medical Psychology</td>
<td>16</td>
</tr>
<tr>
<td>Military Science</td>
<td>(33)</td>
</tr>
<tr>
<td><strong>Total, excluding Military Science</strong></td>
<td><strong>1040</strong></td>
</tr>
</tbody>
</table>

## SECOND YEAR

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiology</td>
<td>184</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>168</td>
</tr>
<tr>
<td>Immunology</td>
<td>44</td>
</tr>
<tr>
<td>Pathology</td>
<td>311</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>110</td>
</tr>
<tr>
<td>Medicine</td>
<td>203</td>
</tr>
<tr>
<td>Ophthalmoscopy</td>
<td>6</td>
</tr>
<tr>
<td>Surgery</td>
<td>55</td>
</tr>
<tr>
<td>Military Science</td>
<td>(33)</td>
</tr>
<tr>
<td><strong>Total, excluding Military Science</strong></td>
<td><strong>1081</strong></td>
</tr>
</tbody>
</table>

## THIRD YEAR

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathology</td>
<td>55</td>
</tr>
<tr>
<td>Medicine</td>
<td>240</td>
</tr>
<tr>
<td>Neur. &amp; Psychiatry</td>
<td>110</td>
</tr>
<tr>
<td>Dermatology</td>
<td>11</td>
</tr>
<tr>
<td>Surgery</td>
<td>290</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>109</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>11</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>22</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>88</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>22</td>
</tr>
<tr>
<td>Public Health</td>
<td>44</td>
</tr>
<tr>
<td>Medical Jurisprudence</td>
<td>11</td>
</tr>
<tr>
<td>Radiology</td>
<td>4</td>
</tr>
<tr>
<td>Stomatology</td>
<td>11</td>
</tr>
<tr>
<td>Anatomy</td>
<td>22</td>
</tr>
<tr>
<td>Military Science</td>
<td>(33)</td>
</tr>
<tr>
<td><strong>Total, excluding Military Science</strong></td>
<td><strong>1050</strong></td>
</tr>
</tbody>
</table>

## FOURTH YEAR

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathology</td>
<td>24</td>
</tr>
<tr>
<td>Medicine</td>
<td>319</td>
</tr>
<tr>
<td>Neurology</td>
<td>55</td>
</tr>
<tr>
<td>Surgery</td>
<td>297</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>179^1</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>97</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>40</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>40</td>
</tr>
<tr>
<td>Radiology</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td><strong>Total (excluding electives)</strong></td>
<td><strong>1063</strong></td>
</tr>
</tbody>
</table>

^1 In addition, each student is required to attend twelve deliveries.
COURSES OF INSTRUCTION

ANATOMY

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

PROFESSORS TERRY, COWDRY.
ASSOCIATE PROFESSORS TROTTER, SCOTT, O'LEARY.
ASSISTANT PROFESSORS WILLIAMS, SEIB, CHARLES.
INSTRUCTOR SLOCUM.
ASSISTANT BARTLETT.
FELLOW LANIER.
STUDENT ASSISTANT FRANKLIN.

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

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

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

FIRST YEAR

1. HUMAN DISSECTION. The course offers opportunity for the systematic study of the gross structure of the human body. Dissection 12 hours a week in the first trimester; 9 hours in the second and third. Lectures twice a week throughout the year. 395 hours.

(Drs. Terry, Trotter, Williams, Seib, Charles)
2. HISTOLOGY. A laboratory course occupying five mornings a week during the first trimester. There are two lectures a week and many informal discussions in the laboratories. 201 hours. (Drs. Cowdry, Scott, O'Leary)

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

THIRD YEAR

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

ELECTIVE COURSES

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

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

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

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

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

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

Professor Shaffer.
Assistant Professors Ethel Ronzoni Bishop, Urban.
Instructors Freiberg, Preisler, Hill, Greaves.
Student Assistant Frank Brown.

FIRST YEAR

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

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

ELECTIVE COURSES

4 (a) Advanced Work. Courses of laboratory work and selected reading will be arranged to suit individual needs.
(b) Methods of Analysis. (Dr. Shaffer)
(c) Respiratory Metabolism. (Dr. Ronzoni Bishop)
(d) Methods of Physical Chemistry, as applied to biology. (Dr. Urban)
(e) Nutrition. (Dr. Greaves)
(f) Exercises in Preparation:
The isolation of known substances.
   Of biochemical interest. (Dr. Preisler)
(g) Redox potentials of organic systems. (Drs. Preisler, Hill)

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

6. Journal Club. Conducted jointly by the Departments of Physiology, Pharmacology, and Biological Chemistry. Meetings at which papers of current journals are presented and discussed. Open to students who have credit in physiology or biological chemistry. Once a week throughout the year.

PHYSIOLOGY

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

FIRST AND SECOND YEARS

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

(a) Lectures and recitations. Second semester of the first year and first trimester of the second year. 110 hours.

(b) Laboratory. First trimester of the second year. 138 hours. (Drs. Erlanger, White, Gilson, Peugnet, Blair)

ELECTIVE COURSES

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

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

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

BACTERIOLOGY AND IMMUNOLOGY

PROFESSOR BRONFENBRENNER.
ASSISTANT PROFESSOR VARNEY.
INSTRUCTORS HERSHEY, TSUCHIYA, MORRIS, HARFORD, STRITAR.
ASSISTANTS GRONAU, KIRCHER, DOUBLY.
STUDENT ASSISTANTS MOORE, STILLERMAN, LOVE, MIHELICH.

SECOND YEAR

1. BACTERIOLOGY. The 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 the first trimester. 168 hours. (Drs. Bronfenbrenner, Hershey, Stritar, Morris, Tsuchiya, Varney, Harford, Gronau)

2. INFECTION AND IMMUNITY. Consideration of the theories concerning the mechanism of immunologic reactions, both those occurring in vivo as well as those utilized for serologic procedures of diagnosis in vitro. One lecture and three hours of laboratory work each week, second trimester. 44 hours. (Drs. Bronfenbrenner, Hershey, Stritar, Morris, Tsuchiya, Varney, Harford, Gronau)

ELECTIVE COURSES

3. Research. The facilities of the laboratory are open to those properly qualified for research in bacteriology and immunology. (Dr. Bronfenbrenner and Staff)

PUBLIC HEALTH

PROFESSOR BRONFENBRENNER.
ASSISTANT PROFESSOR VARNEY.
INSTRUCTOR TSUCHIYA.
LECTURERS BREDECK, WILLETT, MEYER, BOWE, BOARD, DYKTOR.

THIRD YEAR

1. PUBLIC HEALTH. Consideration of methods, regulatory and educational procedures leading to prevention of disease and health hazards and promotion of physical and mental well-being of the community. 44 hours. (Dr. Bronfenbrenner and Staff of Extramural Lecturers)

ELECTIVE COURSE

2. Public Health Field Work. This is corollary to the basic Public Health course as given to third year medical students. The course consists of field trips and illustrated lectures covering public health, industrial, administrative and other establishments whose activities are of interest to physicians and public health workers, and of a health survey. The class meets on Friday afternoons during the second trimester. (Drs. Bredeck, Meyer, Varney)
PATHOLOGY

EDWARD MALLINCKRODT PROFESSOR MCCORDOCK. 1
ASSISTANT PROFESSORS SIEBERT, MARGARET G. SMITH.
INSTRUCTORS WHEELER, ALLEN, GOSE, LENNETTE.
LECTURER POTE.
ASSISTANTS L. H. HEMPELMANN, JR., MANTZ, MEEKER, MUeller, WEDIG, WOOLSEY.

SECOND YEAR

1. PATHOLOGY. Prerequisite courses for pathology are the required work in anatomy, physiology, biological chemistry and bacteriology. The course is subdivided as follows:

(a) LECTURES AND LABORATORY WORK. This course is designed primarily to acquaint students of medicine with the changes in function and the alterations in structure which occur in the common human diseases. The class is divided into small groups and wherever possible the teaching consists of practical work with post-mortem material. Lectures and laboratory work, eleven hours a week in the second trimester and thirteen hours in the third trimester. 256 hours.

(Drs. Smith, Siebert, Wheeler and Staff)

(b) RECITATIONS. Two hours a week in the second trimester and one hour a week in the third trimester. 33 hours.

(Dr. Smith and Staff)

(c) CONDUCT OF AUTOPSIES. Students are instructed in the methods of post-mortem examination. In small groups they assist at autopsies and record the gross anatomical changes in an objective manner. Later they correlate these with the microscopical findings.

(Drs. Smith, Siebert and Staff)

SECOND AND THIRD YEARS

1. (d) GROSS PATHOLOGY. Fresh pathological tissues are demonstrated to the class divided into small sections, and students study by personal contact the lesions which occur. Fresh material is supplemented by organs preserved as museum specimens. Two hours once a week during the third trimester of the second year and two hours once a week during the first trimester of the third year. 44 hours.

(Drs. Smith, Siebert and Staff)

THIRD AND FOURTH YEARS

2. CLINICAL AND PATHOLOGICAL CONFERENCE. The clinical history and treatment of patients who have died are discussed

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1 Died November 13, 1938.
before the class by the physicians and surgeons of the departments concerned. These conferences afford the students an opportunity to interpret the clinical observations in the light of the post-mortem findings. One hour a week during five trimesters. 55 hours.  

(Drs. Smith, Siebert)

ELECTIVE COURSES

3. 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.  

(Dr. Smith)

4. Seminar for the discussion of Research. A limited number of students can be admitted. Two hours weekly.  

(Dr. Smith)

THE EDWARD MALLINCKRODT DEPARTMENT OF PHARMACOLOGY

PROFESSOR CARL F. CORI.  
ASSOCIATE PROFESSOR HELEN TREDWAY GRAHAM.  
RESEARCH ASSOCIATE GERTY T. CORI.  
INSTRUCTOR A. DE M. WELCH.  
ASSISTANT KOHL.  
RESEARCH ASSISTANT SCHMIDT.

SECOND AND THIRD YEARS

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

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

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

(Drs. Cori, Graham, Welch)

ELECTIVE COURSES

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

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

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

THE JOHN T. MILLIKEN DEPARTMENT OF MEDICINE
(The Department of Medicine includes Internal Medicine and Dermatology.)

BUSCH PROFESSOR BARR.
PROFESSOR ALBERT E. TAUSSIG.
ASSOCIATE PROFESSORS ELMEE, ALEXANDER, OLMSTED, LUTEN, LAMBMORE.
ASSISTANT PROFESSORS EWERHARDT, BULGER, LAWRENCE, THOMPSON, KOUNTZ, JENSEN, MACBRYDE, FINDLEY, CARL MOORE.
INSTRUCTORS BAUMGARTEN, COOK, SALE, LOUIS H. HEMPELMANN, FISCHER, GORHAM, EYERMAN, STRAUSS, GRANT, Cady, ALFRED GOLDMAN, LIGGETT, DUDEN, BREDECK, DAY, RUSK, STRoud, AITKEN, JEAN, BROMBERG, GOTTLIEB, MYERS, BARRETT TAUSSIG, KENAMORE, SEIBEL, HAGEMAN, HOAGLAND.
ASSISTANTS GAY, ABEL, BECKE, RICHMAN, GLASSBERG, MEHRDAM, MILTON SMITH, LEE B. HARRISON, CANNAY, NEWMAN, SKILLING, CHARLES, MANSBACHER, KEITH WILSON, BEAM, FLEISHMAN, HOLDEN, SEDDON, Koenig, SCHEFF, HORN, MASSIE, REYNOLDS, RAY WILLIAMS, BIEBERBAUM, EDWARDS, RAMMELKAMP.
STUDENT ASSISTANTS BIERMAN, WITHERS.

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 history taking, 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 of Barnes Hospital. Simultaneously he receives formal instruction in the natural history of disease and in medical therapeutics. In the final year each student acts for three months as clinical clerk in the medical clinics, and in the wards of Barnes Hospital and
the St. Louis City Hospital. During this period frequent conferences are held for the discussion of clinical, pathological, radiological and therapeutic aspects of selected cases.

SECOND YEAR

1. ELEMENTARY MEDICINE.
   (a) Introductory Clinic. Observation and interpretation of the symptoms and signs of disease, with special reference to pathological anatomy and physiology. Approximately one-sixth of the course is devoted to the discussion of psychobiology. Two hours each week during the second and third trimesters. 44 hours.  
   (Drs. Barr, Schwab, Bulger, MacBryde)
   (b) Physical Diagnosis. Lectures, demonstrations and practical exercises in the technique of physical diagnosis. Instruction and practice in history taking. Four hours each week during the second trimester. Three hours each week during the third trimester. 77 hours.  
   (Drs. Barr, Aitken, Myers and Assistants)
   (c) Clinical Chemistry and Microscopy. Lectures and laboratory course in methods of microscopic and chemical diagnosis. Eight hours each week during the third trimester. 88 hours.  
   (Dr. Carl Moore and Assistants)

THIRD YEAR

2. CLINICAL STUDY OF PATIENTS UNDER SUPERVISION IN THE WARDS OF BARNES HOSPITAL. A student is assigned each week one case for complete study and written report. Frequent informal conferences are held. Two hours five days each week for one trimester. 110 hours.  
   (Drs. B. Taussig, Hoagland, Seddon, K. Wilson)

3. THERAPEUTICS. General survey of methods and principal agencies employed in the medical treatment of disease. One hour each week during second trimester. 11 hours.  
   (Dr. Barr)

4. DIETETICS. Lectures and recitations on the principles and practice of dietetics. One hour each week during the second and third trimesters. 22 hours.  
   (Dr. Olmsted)

5. MEDICINE RECITATION. General survey of the natural history and special treatment of disease, with assigned reading in a textbook of medicine. Two hours each week throughout the year. 66 hours.  
   (Drs. Grant, Goldman)
THE SCHOOL OF MEDICINE

7 (a) MEDICAL CLINICS. 33 hours. (See under Fourth Year).

FOURTH YEAR

6. MEDICINE.

(a) Clinical Clerkship in Barnes Hospital. With the exception of the hour for noon clinics, the entire day is spent in the wards. Cases are assigned for complete study and report. Ward rounds and frequent informal conferences are held. 144 hours. (Drs. Barr, Alexander and Staff)

(b) Clinical Clerkship in City Hospital. Mornings are devoted to the study and review of patients in the medical wards. Ward rounds and conferences are held. 72 hours. (Drs. Findley, Jensen and Staff)

(c) Clinical Clerkship in Washington University Clinics. Students act as physicians in the Medical Clinic under the supervision of consultants. (Drs. Alexander, Bulger, Cook, Day, Fischel, Gottlieb, Jean, Kountz, Rusk, Sale)

7. MEDICAL CLINICS.

(a) Cases which have been investigated by students working in the wards are presented before the third and fourth year classes. Once each week throughout the year. 33 hours. (Drs. Barr, Alexander, Albert Taussig)

(b) The diagnosis and treatment of certain medical specialties are discussed. These include diseases of metabolism and of the heart, lungs and gastrointestinal tract. Once each week throughout the year. 33 hours. (Drs. Larimore, Luten, Olmsted, Goldman, Thompson, Myers)

8. CLINICAL PATHOLOGICAL CONFERENCE. (See Pathology 2).

ELECTIVE COURSES

9. Diagnosis and Treatment of Venereal Diseases. Clinical Clerkship in the Night Venereal Clinic of the University Clinics. (Drs. Lawrence, Aitken and Staff)

10. Diagnosis and Treatment of Diseases of Gastrointestinal Tract. Clinical Clerkship in the Gastrointestinal Clinic of the University Clinics. (Dr. Kenamore)

11. Diagnosis and Treatment of Diseases of the Heart. Clinical Clerkship in the Cardiac Clinic of the University Clinics. (Drs. Strauss, Liggett)
12. **Medical Diagnosis.** Clinical Clerkship in the Afternoon Medical Clinic of the University Clinics.  
   (Dr. Seibel)

13. **Applied Immunology.** Open to a limited number of students. Hours by arrangement.  
   (Dr. Alexander)

**NEUROPSYCHIATRY**

**Professors Rioch, Jacobsen, Whitehorn, Schwab.**  
**Assistant Professors Jones, Carr.**  
**Instructors Kubitschek, Satterfield, Tureen.**  
**Lecturer Emery.**  
**Assistants Kendall, Gitt, Hewitt, Varney.**  
**Student Assistant Reese.**

**FIRST YEAR**

1. **Medical Psychology.** Discussion of human nature from a functional point of view and of the biological and cultural sources of motivation and anxiety as related to medical problems. Lectures, one hour a week, first semester. 15 hours.  
   (Drs. Jacobsen and Whitehorn)

See Medicine 1a.

**SECOND YEAR**

2. **Neurology.**

   (a) Introductory course in neurology and psychiatry. Lectures and demonstrations in clinical anatomy and physiology of the nervous system, methods of neurological examination, history taking, study of case histories, etc. One hour a week, first and second trimesters, 22 hours.  
   (Drs. Schwab, Rioch, Whitehorn, Jacobsen)

   (b) Neuropathology. Lectures, lantern slides and laboratory demonstrations of the material covered in Course (a), with a study of gross and microscopic lesions of the nervous system, fibre tracts, etc. Exercise in examination and description of microscopic preparations of the more common diseases of the nervous system. Two hours a week, first trimester, 22 hours.  
   (Dr. Tureen)

   (c) Neurological Clinic. The diagnosis and treatment of neuroses from the standpoint of psychobiology. Case material and clinic patients are used for purposes of discussion. One hour a week for two trimesters. 22 hours.  
   (Dr. Satterfield)
3. **CLINICAL PSYCHIATRY.** A review of abnormal psychology followed by a discussion of psychoses and neuroses with case presentation at the City Sanitarium. Two hours a week during the first and third trimesters. 44 hours. (Dr. Jones)

**FOURTH YEAR**

4. **NEUROLOGY.**

(a) Neurological ward rounds with the medical group. Neurological and such psychiatric cases as are suitable for hospital treatment are studied. Two hours a week for one quarter for each medical group. 16 hours.

(Drs. Schwab, Carr)

(b) Neurological Conference. A series of clinical demonstrations before the whole class in which all available types of nervous and mental diseases found in the hospital are discussed. One hour a week for four quarters. 32 hours.

(Dr. Schwab)

**ELECTIVE COURSE**

5. *Correlation of medical and neurological problems with clinical demonstrations and case reports.* One hour per week during one quarter of the fourth year. 8 hours. (Dr. Carr)

**DERMATOLOGY**

**PROFESSOR MARTIN F. ENGMAN.**  
**ASSISTANT PROFESSOR WEISS.**  
**INSTRUCTORS CONRAD, COLEMAN, LANE, MARTIN F. ENGMAN, JR.**  
**ASSISTANTS ESKELES, KILE.**  
**MYCOLOGIST MORRIS MOORE.**

**THIRD YEAR**

1. **DERMATOLOGY.** A lecture course on diseases of the skin and on syphilis preliminary to clinical courses of the fourth year. This course is a general survey of the etiology, symptomatology, pathology, and treatment of skin diseases and the history and pathology of syphilis. Third trimester. 11 hours. (Dr. Engman)

**FOURTH YEAR**

2. An elective course, in which the student examines patients and is instructed in the diagnosis and treatment of diseases of the skin. Eight hours a week for four weeks. 32 hours. Other hours by arrangement.

(Drs. Engman, Weiss, Conrad, Coleman, Lane, Egman, Jr.)
THE MARY CULVER DEPARTMENT OF SURGERY

(The Department of Surgery includes General Surgery, Orthopedic Surgery, Neurological Surgery, and Genitourinary Surgery.)

BIXBY PROFESSOR EVARTS A. GRAHAM.
PROFESSORS SACHS, SEELIG, CAULK,\(^\text{3}\) VILRAY P. BLAIR, CLOPTON, KEY,
ASSOCIATE PROFESSORS COPHER, ELMAN, HEINBECKER, J. BARRETT
BROWN, ROSE.
ASSISTANT PROFESSORS WILLARD BARTLETT, ARTHUR O. FISHER, STONE,
ALLEN, CREGO, WOMACK, THEODORE P. BROOKES, FURLOW, ROWLETTE,
DEAKIN.
INSTRUCTORS RAINEY, J. EDGAR STEWART, JOSTES, KLEMME, SANFORD,
WILHELM, HENRY S. BROOKES, JR., PROBSTEIN, WALTON, BLADES,
SCHWARTZ, McCARROLL.
ASSISTANTS KEYES, ROBERT BARTLETT, BYARS, CANNON, PATTON, KEN-
NETH O. WILSON, THIEME, BRICKER, W. R. SMITH, G. B. SANDERS,
STEPHEN ELLIS, HAFFNER, HEIDEMAN, MCDOWELL, BURFORD, DRESCHER,
GELLHORN, HARISON, LISCHER, HAMPTON, ROCHE.
FELLOW WIGDERSON.

INTRODUCTORY NOTE

The instruction in the Department of Surgery begins with an introduction to surgical principles at the end of the second year. In the junior year the students take their work in the outpatient department. This is arranged in such a manner that the students spend two mornings a week at the outpatient department of the St. Louis City Hospital No. 1, where they see many fractures and other acute traumatic cases. In addition to other courses a systematic survey of the general field of 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 of the instructor with the students. The other courses in the junior year require no special comment. The principal teaching of clinical surgery is conducted in the senior year by means of ward clerkships. A large number of patients is provided for this work through the use of the wards of the Barnes and the St. Louis Children’s Hospitals which immediately adjoin each other. The wards of St. Louis City Hospital No. 1 are also used for this purpose. The senior surgical group spends one-half of its time at the Barnes and St. Louis Children’s Hospitals and one-half at the City Hospital. The St. Louis Shriners’ Hospital for Crippled Children is used for special lectures and demonstrations in the field of orthopedic surgery. During the time that each student serves as a ward clerk he will have between 30 and 40 cases of immediate concern to him. Daily ward conferences and the vari-

\(^3\) Died October 13, 1938.
ous dry clinics give opportunities for the students to become familiar not only with their own cases but with many other cases as well. Special instruction in history writing, in examination of the patient and in various diagnostic and therapeutic techniques is given to small groups by the resident and assistant residents. These small groups are in the nature of tutorial classes. The students are also offered the privilege of attending all operations and usually they may participate as assistants in the operations on their own cases. During the period of ward clerkship each student will have for personal study a few cases representing the various specialties of surgery but the principal concentration of instruction is on the general surgical cases, particularly those of a sort which will be encountered by the general practitioner.

SECOND YEAR

1. INTRODUCTION TO SURGERY. A laboratory, demonstration and lecture course in which are studied certain fundamental processes of physiology and pathology as applied to surgery. The course includes the demonstration of patients illustrating various points under discussion. Five hours weekly during the third trimester. 55 hours.  

(Dr. Heinbecker)

THIRD YEAR

2. SURGERY. The course is subdivided as follows:

(a) SURGICAL OUTCLINIC. For one trimester a third of the class serve as dressers. Cases are examined by the students and demonstrated to them. Special attention is devoted to follow-up cases. Under the supervision of assistants, the students take histories and apply dressings and bandages. 99 hours.  

(Drs. Elman, Womack, Heinbecker, Rainey, Walton, H. S. Brookes, Pruett, Schmidtke)

(b) 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)

(c) FRACTURES. Demonstrations, conferences and lectures on the more common fractures. This systematic presentation of the subject is preliminary to the extensive clinical experi-
ence in fractures offered to the senior students at the City Hospital. One hour weekly during the third trimester. 11 hours. (Drs. Key, Copher, Stewart)

(d) OPERATIVE SURGERY. A three-hour exercise given weekly during the third trimester. The course is given in two sections, each section working one-half a trimester. Actual case histories are discussed, and the operations indicated from these discussions are performed on animals by the students. The surgical technique is as rigid as in the operating room, and it is required that the operations shall be performed without pain to the animals. 16 hours. (Drs. Walton, Blades)

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

(f) SURGICAL CONFERENCE. The pathology, diagnosis and treatment of surgical conditions, illustrated by patients, are discussed. A weekly exercise during three trimesters. 33 hours. (Dr. Sachs)

(g) GENITOURINARY SURGERY. Lectures and recitations in genitourinary surgery. Third trimester. 11 hours. (Dr. Rose)

3. SURGICAL PATHOLOGY. Weekly exercises of two hours for three trimesters, at which time the early pathological changes are considered from the standpoint of their clinical manifestations. Pathological material from the museum and operating room is studied both in the gross and microscopically. 66 hours. (Drs. Womack, Walton, Bricker)

FOURTH YEAR

4. SURGERY. The course is subdivided as follows:

(a) SURGICAL WARDS. For one quarter the student serves as assistant in the surgical wards. Half of the surgical group is at the St. Louis City Hospital No. 1 for a period of four weeks while the other half is at the Barnes and the St. Louis Children's Hospitals. The group at the City Hospital spends all of every day at that hospital except for noon clinics from 12 to 1 throughout the week at the Barnes Hospital and except for a clinical pathological conference from 4 to 5 on Monday afternoons which is given in the Medical School. The group at the Barnes and the St. Louis Children's Hospitals spends its mornings and the late afternoons in the wards of those hospitals. Conferences on selected patients are held from 9 to 10 a.m. General and special surgical cases are discussed by mem-
bers of the staff. 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. Those who are especially interested may apply and receive instruction in practical anesthesia. 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. (See Pathology 2). 216 hours. (Dr. Graham and Staff)

(b) SURGICAL CLINIC. A weekly exercise throughout four quarters. Patients presenting the more usual general surgical conditions are presented and their diagnostic and therapeutic problems are discussed. Students of the third year also attend this clinic. 33 hours. (Dr. Graham)

5. ORTHOPEDIC OUTCLINIC. Each student attends daily for two weeks. 24 hours. (Drs. Key, Stone, Stewart, T. P. Brookes, Jostes, Thieme)

6. GENITOURINARY OUTCLINIC. Each student attends daily for two weeks. 24 hours. (Drs. Deakin, Patton, Wilson, Althaus, Feller, Kopp, Cutler)

ELECTIVE COURSES

7. Neurological Surgery. Eight lectures in the first 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 neurological surgery. (Drs. Sachs, Furlow)

10. 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)

11. Research in Surgery. Specially qualified students are encouraged to undertake research in problems bearing on surgery in the laboratories of the department.

12. Staff Meeting. Approved students may attend, without credit, the weekly staff meeting, at which topics of interest, recent surgical pathological material, and current surgical literature are discussed.

13. Tumor Clinic. Approved students may attend, without credit, the weekly staff tumor clinic in the Barnes Hospital. (Drs. Copher, Womack)
14. Surgical Pathology. Approved senior students may elect to take additional work in surgical pathology. The credit received depends upon the amount of time and the quality of the work done. (Dr. Womack)

RADIOLOGY

Professor Sherwood Moore.
Consulting Physicist Hughes.
Associate Professor Larimore.
Assistant Professor Wendell Scott.
Instructors Zink, Arneson.
Assistants Phillips, Burton.

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

THIRD YEAR

Elements of Radiology. Two lectures to one-third the class at a time as a part of Med. 2. (Dr. Scott)

Tissue Changes Due to Radiation. One lecture to the class in surgical pathology (Surg. 3) and one lecture to the class in obstetrical and gynecological histology and pathology (Ob. and Gyn. 1b). (Dr. Arneson)

FOURTH YEAR

Diagnosis (Chiefly Radiological) and Treatment of Diseases of the Gastrointestinal Tract. Eleven lectures in connection with Med. 7b. (Dr. Larimore)

Radiological Treatment of Cancer of the Uterus. One lecture in course 2(d) in the department of Obstetrics and Gynecology. (Dr. Arneson)

Elective Course

Principles of Roentgenology. A course of lectures and demonstrations for fourth year students. Three one hour periods a week for four weeks. 12 hours. (Drs. Moore, Zink)
OPHTHALMOLOGY

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

SECOND YEAR

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

THIRD YEAR

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

FOURTH YEAR

2. CLINICAL OPHTHALMOLOGY. Instruction in diagnosis and treatment of eye diseases is given to small sections of the class. Ten hours a week for 4 weeks. 40 hours. (Dr. Lawrence Post, M. H. Post, Jacobs, Schwartz, Alvis, Beisbarth, Lange, Sanders)

OTOLARYNGOLOGY

PROFESSOR EMERITUS L. W. DEAN.
PROFESSORS BUNCH, PROETZ.
ASSOCIATE PROFESSOR LYMAN.
ASSISTANT PROFESSORS ARBUCKLE, ALDEN, KELLEY, HANSEL, HOURN, McMahan, BIRSNER, COSTEN, WOLFF.
RESEARCH ASSOCIATE HARRIS.
INSTRUCTORS CONE, VOTAW.
ASSISTANTS HANSON, FREIMUTH, GAGE, GLICK, POTTER, BOEMER, SCHERRER, PFINGSTEN, STUTZMAN, GUERDAN HARDY, LINTON, L. W. DEAN, JR., SMIT, SENTURIA, WILLIAM T. K. BRYAN.
RESEARCH FELLOW CHANG.

THIRD YEAR

1. LARYNGOLOGY AND RHINOLOGY. Twenty-two lecture hours given during the third trimester. 22 hours. (Drs. Dean, Goldstein, Bunch, Proetz, Lyman, Arbuckle, McMahan, Hansel, Kelley, Alden, Birsner, Costen)

FOURTH YEAR

2. OTOLARYNGOLOGY. Clinical instruction is given to small sections of the class. Ten hours a week for 4 weeks. 40 hours. (Drs. Dean, Bunch, Proetz, Lyman, Kelley, Votaw, Boemer, Gage, Hardy, Smit, Bryan)
OBSTETRICS AND GYNECOLOGY

THIRD YEAR

During the third year there are four courses given in obstetrics and gynecology. The introductory lecture course in obstetrics is based upon assigned reading in a prescribed textbook. The entire subject of obstetrics is covered in this course. In the course on obstetrical and gynecological pathology, the normal anatomy, histology and physiology of the female generative organs are reviewed and all important pathological lesions are presented both grossly and microscopically. The work is carried out in the form of lectures, demonstrations of gross specimens and microscopic pathology. A complete series of photomicrographs in the form of lantern slides supplements the teaching of this course. Obstetrical and gynecological diagnosis is given in the afternoon course in the Clinics. The students are instructed in the methods of making complete obstetrical and gynecological examinations. Lectures in gynecology, similar to those in obstetrics, are based upon assigned reading in a prescribed textbook.

1. OBSTETRICS AND GYNECOLOGY.

(a) OBSTETRICAL RECITATIONS AND DEMONSTRATIONS. One hour a week throughout the year. 33 hours. (Dr. Schwarz)

(b) OBSTETRICAL AND GYNECOLOGICAL HISTOLOGY AND PATHOLOGY. Four hours a week (in sections of one-third of the class). 44 hours. (Dr. Hobbs)

(c) CLINICAL LECTURES ON SELECTED GYNECOLOGICAL SUBJECTS. One hour a week during the second trimester. 11 hours. (Dr. Schwarz)

(d) GYNECOLOGICAL AND OBSTETRICAL DIAGNOSIS (CLINIC). One sub-section (one-sixth of the class) works in the gynecological clinic. At the same time the other sub-section (one-sixth of the class) works in the pre-natal clinic. Two hours a
week for eleven weeks (in sections of one-third of the class).
22 hours.  (Drs. Brown, Krebs, Smith, Wegner, Davis, 
Hobbs, Liese, Soule, Scrivner, Wulff, Gibson)

(e) **CLINICAL AND PATHOLOGICAL CONFERENCES.** (See Pa-
thology 2).

**FOURTH YEAR**

During the fourth year the students are assigned to obstet-
rics and gynecology for four and two weeks, respectively. The 
work in obstetrics consists of clinical clerkships in the St.
Louis Maternity Hospital and the St. Louis City Hospital. 
During this time students are assigned to cases and are respon-
sible for the records and laboratory work which each case 
requires. At least twelve obstetrical cases are required for 
each student. In addition, students are urged to volunteer for 
obstetrical work during the summer vacation between the 
third and fourth years, as the required number of cases can-
not be obtained during the four weeks period. The service 
furnishes about 1600 cases annually, 1200 in the St. Louis 
Maternity Hospital and about 400 on the outclinic service. In 
addition, the St. Louis City Hospital furnishes about 1200 
cases a year. On the gynecological service in Barnes Hospital, 
the students also act as clinical clerks, attending two gynec-
ological diagnostic clinics and two operative gynecological 
clinics each week. In the afternoon they are assigned to the 
gynecological division of the University Clinics and are under 
constant supervision of instructors. The clinics on selected 
obstetrical and gynecological topics are given as a final review 
of the more important phases of obstetrics and gynecology.

2. **OBSTETRICS AND GYNECOLOGY.**

(a) **ATTENDANCE ON OBSTETRICAL CASES.**

(Drs. Schwarz, Brown, Wegner, Hobbs, Soule)

(b) **CLINICS ON SELECTED OBSTETRICAL AND GYNECOLOGICAL** 
TOPICS. One hour a week during the first, second and third 
quarters. 24 hours.  

(Drs. Schwarz, Royston, Newell)

(c) **OBSTETRICAL WARD WORK.** Sections composed of one-
eighth of the class, for a period of four weeks. 
(Drs. Schwarz, Royston, McNalley, Ehrenfest, 
Paddock, Brown, Wegner)

(d) **GYNECOLOGICAL WARD AND CLINIC WORK.** Sections com-
posed of one-sixteenth of the class work in the Gynecological
Division of the Barnes Hospital and the Clinic for a period of two weeks. (Drs. Schwarz, Taussig, Newell, Royston, McNalley, O’Keefe, Paddock, Hobbs)

ELECTIVE COURSES

(a) Obstetrical Clinic. An elective course in which a small section of the class receives practical instruction in the prenatal clinic eight hours a week for four weeks. 32 hours. Other hours by arrangement. This work can also be taken in the summer months. (Dr. D. R. Smith and Staff)

(b) Positions are available for students who wish to give their entire elective time to research work in obstetrics and gynecology. Each student selected for this work will be under the direct supervision of a member of the department.

THE EDWARD MALLINCKRODT DEPARTMENT OF PEDIATRICS

PROFESSORS HARTMANN, COOKE, VEEDER.
ASSOCIATE PROFESSORS THEODORE C. HEMPELMANN, McCulloch.
INSTRUCTORS BLEYER, FARR J. WHITE, ZENTAY, KUBITSCHER, RUPE, BAIN, PERLEY, LAWRENCE GOLDMAN, ROHLFING, DEUTCH, P. A. JACOBS, STANLEY HARRISON, JAUDES, LONDE, BLATTNER.
ASSISTANTS LONSWAY, BAEUER, RECTOR, AFF, JONES, WACHTER.
RESEARCH FELLOWS BURNS, HITCHCOCK, SAUNDERS.
RESEARCH ASSISTANT RUSOFF.
STUDENT ASSISTANT ANDERSON.

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, and also to acquaint him with normal physical findings in infants and children, and methods of physical diagnosis.

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 by having him work in the wards of the St. Louis Children’s Hospital and in the Pediatric Clinic, and by having him attend the frequent clinical conferences of the hospital and teaching staffs.

THIRD YEAR

1. PEDIATRICS. Physical diagnosis as applied to infants and children. Bedside instruction to small groups of students in the wards of the St. Louis Children’s Hospital. Two hours a week for one trimester. 22 hours. (Dr. McCulloch)
2. **PEDIATRICS.** A systematic lecture course in general pediatrics, including occasional clinical demonstrations. Two hours a week for three trimesters. 66 hours.

(Drs. Hartmann, Cooke)

**FOURTH YEAR**

3. **PEDIATRIC WARD ROUNDS.** Examination and discussion of selected cases in the wards of the St. Louis Children’s Hospital and the St. Louis Isolation Hospital. Daily for four weeks for one-eighth of the class. 24 hours. (Drs. Cooke, Bleyer, Goldman, Bain, Jaudon, Zentay)

4. **PEDIATRIC CLINIC.** Weekly amphitheatre demonstrations and discussions of selected cases from the hospital, for the whole class. 33 hours.

(Drs. Hartmann, Cooke, Veeder, McCulloch)

5. **CLINICAL AND PATHOLOGICAL CONFERENCES.** See Pathology 2. Approximately one-third of the course is devoted to pediatric cases.

6. **CLINICAL CLERKSHIPS.** For two hours each morning for two weeks one-sixteenth of the class works in the wards of the hospital or attends special clinical or pathological conferences and demonstrations. For two hours four afternoons a week for two weeks the group works in the pediatric outpatient department, taking histories and making examinations of assigned cases under supervision of the staff physicians.

(Drs. Hartmann, Cooke, Blattner and Staff)

**ELECTIVE COURSES**

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

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

(a) Basic Course—first and second years.

(b) Advanced Course—third and fourth years.
   (1) Summer Training Camp—six weeks.

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

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

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

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

MEDICAL JURISPRUDENCE
A course given in the third 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)

STOMATOLOGY
Lectures and demonstrations. The relation between stomatology and the other branches of medicine is considered. Third trimester, third year. 11 hours.  (Dr. Virgil Loeb)

PHYSICAL THERAPEUTICS
Lectures and demonstrations of corrective physical exercise, massage, hydrotherapy, electrotherapy and heliotherapy. 8 hours.  (Dr. Ewerhardt)

PROFESSIONAL CONDUCT AND MEDICAL ECONOMICS
An elective course in which the following subjects are discussed: the young physician and his problems; group medicine and specialization; ethical relations between physicians; organized medicine; birth control; quackery, fads, and cults; medical finance; industrial and contract practice; "systems" of practice in other countries; health insurance plans. 8 hours.  (Dr. Park J. White)

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

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

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

OTOLARYNGOLOGY

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

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

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

PEDIATRICS

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

ANATOMY

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

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

## WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

**Schedule of First Year. September 28-December 16, inclusive**

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<th>HOURS</th>
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## Schedule of Second Year. First Trimester

**WASHINGTON UNIVERSITY SCHOOL OF MEDICINE**

1939-40

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WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

Schedule of Third Year. First Trimester

1939-40
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<td>Medicine Recitation Medicine 5</td>
<td>Pharmacology Lecture Pharmacology 1a</td>
<td>Medicine Recitation Medicine 5</td>
<td>Obstetrics Recitation Ob. and Gyn. 1a</td>
<td>Neurology Lecture Neuropsych. 2a</td>
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<td>11 to 12</td>
<td>Group B Medicine 2</td>
<td>Group B Medicine 2</td>
<td>Group B Medicine 2</td>
<td>Group B Medicine 2</td>
<td>Group B Medicine 2 Group C Surgery 2a</td>
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<tr>
<td>12 to 1</td>
<td>Group C Surgery 2a</td>
<td>Surgery Clinic Surgery 2a</td>
<td>Dietetics Medicine 4</td>
<td>Surgery Conference Surgery 2f</td>
<td>Pharmacology Lecture Pharmacology 1a</td>
<td>Therapeutics Medicine 3</td>
</tr>
<tr>
<td>2 to 3</td>
<td>Group A Ob. and Gyn. 1d</td>
<td>Military Science and Tactics 2</td>
<td>Surgical Pathology Surgery 3</td>
<td>Gynecology Lecture Ob. and Gyn. 1c</td>
<td>Medicine Clinic Medicine 7a</td>
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<td>3 to 4</td>
<td>Clinical Path. Conference Pathology 2</td>
<td>Anatomy 4</td>
<td>Public Health 1</td>
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<td>4 to 5</td>
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<td>Public Health 1</td>
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<tr>
<td>HOURS</td>
<td>MONDAY</td>
<td>TUESDAY</td>
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<td>10 to 11</td>
<td>Group A Surgery 2a</td>
<td>Group A Surgery 2a</td>
<td>Group A Surgery 2a</td>
<td>Group A Surgery 2a</td>
<td>Group A Surgery 2a</td>
<td>Group C Surgery 2a</td>
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<td>11 to 12</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>Group C Surgery 2a</td>
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<td>2 to 3</td>
<td>Fractures Surgery 2c</td>
<td>Surgery Clinic Surgery 2e</td>
<td>Dietetics Medicine 4</td>
<td>Surgery Conference Surgery 2e</td>
<td>Dermatology Lecture Dermatology 1</td>
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<td>3 to 4</td>
<td>Group B Ob. and Gyn. 1d</td>
<td>Laryn. &amp; Rhin. Lecture Otolaryn. 1</td>
<td>Operative Surgery Surgery 2d</td>
<td>Ophthalmology Lecture Ophthal. 1</td>
<td>Surgery 3</td>
<td>Medical Jurisprudence</td>
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<td>4 to 5</td>
<td>Clinical Pathological Conference Pathology 2</td>
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<td>½ trimester each</td>
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<td>HOURS</td>
<td>MONDAY</td>
<td>TUESDAY</td>
<td>WEDNESDAY</td>
<td>THURSDAY</td>
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| 9 to 12 | Medicine 6 and Neuropsych. 4a  
Ward Work | | Section I—City Hospital  
Section II—Barnes Hospital | | | |
| 12 to 1 | Neurology Clinic  
Neuropsych. 4b | Surgery Clinic  
Surgery 4b | Pediatrics Clinic  
Pediatrics 4 | Medicine Clinic  
Medicine 7b | Ob. & Gyn. 2b  
Lecture I, II, III Quarters | Medicine Clinic  
Medicine 7a |
| 2 to 4 | | | | | Section I—Ophthalmology 2  
Section II—Barnes Hospital Wards | |
| 4 to 5 | Clinical Pathological Conference  
Pathology 2  
I, II, III Quarters | | | | | |

Note: Sections change at the middle of the quarter.
<table>
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<tr>
<th>HOURS</th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
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<tbody>
<tr>
<td>9 to 12</td>
<td>Section I—Medical Clinics (Gen. Med., Heart, Chest, Nerve)</td>
<td>Section II—Surgical Clinics (G. U., Orthopedic)</td>
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<td>12 to 1</td>
<td>Neurology Clinic</td>
<td>Surgery Clinic</td>
<td>Pediatrics Clinic</td>
<td>Medicine Clinic</td>
<td>Ob. and Gyn. 2b Lecture</td>
<td>Medicine Clinic</td>
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<td>Neuropsych. 4b</td>
<td>Surgery 4b</td>
<td>Pediatrics 4</td>
<td>Medicine 7b</td>
<td>I, II, III Quarters</td>
<td>Medicine 7a</td>
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<td>Clinical Pathological Conference Pathology 2 I, II, III Quarters</td>
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Note: Sections change at the middle of the quarter.
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE 1939-40

Schedule of Fourth Year: Group C, First Quarter; Group D, Second Quarter; Group A, Third Quarter; Group B, Fourth Quarter

<table>
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<th>HOURS</th>
<th>MONDAY</th>
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<th>THURSDAY</th>
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</thead>
<tbody>
<tr>
<td>9 to 12</td>
<td>Surgery 4a—Ward Work</td>
<td>Section I—City Hospital</td>
<td>Section II—Barnes and St. Louis Children's Hospitals</td>
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<tr>
<td>12 to 1</td>
<td>Neurology Clinic</td>
<td>Surgery Clinic</td>
<td>Pediatrics Clinic</td>
<td>Medicine Clinic</td>
<td>Ob. and Gyn. 2b Lecture</td>
<td>Medicine Clinic 7a</td>
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<td>Neuropsych. 4b</td>
<td>Surgery 4b</td>
<td>Pediatrics 4</td>
<td>Medicine 7b</td>
<td>I, II, III Quarters</td>
<td>Medicine Clinic 7a</td>
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<td>2 to 4</td>
<td>Section I—Ward Work, City Hospital</td>
<td>Section II—Otolaryngology 2</td>
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<td>4 to 5</td>
<td>Clinical Pathological Conference</td>
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<td>I, II, III Quarters</td>
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Note: Sections change at the middle of the quarter.
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
1939-40

Schedule of Fourth Year: Group D, First Quarter; Group A, Second Quarter; Group B, Third Quarter; Group C, Fourth Quarter

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<tr>
<td>9 to 12</td>
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<td>Section I—Obstetrics 2c, Ward Work</td>
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<td>St. Louis Maternity Hospital</td>
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<tr>
<td>12 to 1</td>
<td>Neurology Clinic</td>
<td>Surgery Clinic</td>
<td>Pediatrics Clinic</td>
<td>Medicine Clinic</td>
<td>Ob. and Gyn. 2b Lecture</td>
<td>Medicine Clinic</td>
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<td>Neuropsych. 4b</td>
<td>Surgery 4b</td>
<td>Pediatrics 4</td>
<td>Medicine 7b</td>
<td>I, II, III Quarters</td>
<td>Medicine 7a</td>
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<tr>
<td>2 to 4</td>
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<tr>
<td></td>
<td>Section I—Obstetrics 2c, Ward Work</td>
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<tr>
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<td>St. Louis Maternity Hospital</td>
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<tr>
<td>4 to 5</td>
<td>Clinical Pathological Conference</td>
<td>Pathology 2</td>
<td>I, II, III Quarters</td>
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Note: This section changes with the Pediatrics-Gynecology section at the middle of the quarter.
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE 1939-40

Schedule of Fourth Year: Group D, First Quarter; Group A, Second Quarter;
Group B, Third Quarter; Group C, Fourth Quarter

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<th>Hours</th>
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<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
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| 9 to 10 | Section II—Pediatrics 3, Ward Work  
St. Louis Children's Hospital | | | | | |
| 10 to 12 | Section II—Gyn. Ward Work  
Barnes Hospital (2 weeks)  
Section II—Pediatrics Ward Work  
St. Louis Children's Hospital (2 weeks) | | | | | |
| 12 to 1 | Neurology Clinic  
Neuropsych. 4b | Surgery Clinic  
Surgery 4b | Pediatrics Clinic  
Pediatrics 4 | Medicine Clinic  
Medicine 7b | Ob. and Gyn. 2b Lecture  
I, II, III Quarters | Medicine Clinic  
Medicine 7a |
| 2 to 4 | Section II—Gyn. Clinic (2 weeks)  
Section II—Pediatrics Clinic (2 weeks) | | | | | |
| 4 to 5 | Clinical Pathological Conference  
Pathology 2  
I, II, III Quarters | | | | | |

Note: This section changes with the Obstetrics section at the middle of the quarter.
THE SCHOOL OF MEDICINE

DEGREES CONFERRED AT COMMENCEMENT

June 7, 1938

DOCTOR OF MEDICINE

NAME — INTERNSHIP
Abrahams, Harry Harvey, A.B.—Kings County Hospital, Brooklyn, New York.
Aker, Cecil Grover, A.B.—St. Luke’s Hospital, St. Louis, Missouri.
Allen, William Sylvanus, A.B.—St. Luke’s Hospital, St. Louis, Missouri.
Baers, Harry, A.B.—City Hospital, St. Louis, Missouri.
Baker, William Green, A.B.—Presbyterian Hospital, Denver, Colorado.
Barks, Orville Leon, B.S., A.M.—Tampa Municipal Hospital, Tampa, Florida.
Barrett, Henry Lewis, B.S., (cum laude)—St. Louis Children’s Hospital, St.
Louis, Missouri.
Bingham, Harvey Drexler, B.S.—King County Hospital, Seattle, Washington.
Blaney, Loron Francis, A.B., (cum laude)—New Haven Hospital, New Haven,
Connecticut.
Blankenship, George William, A.B.—City Hospital, St. Louis, Missouri.
Boots, Roger Hammond, A.B., B.S.—City Hospital, St. Louis, Missouri.
Brooke, Robert Dunlap, A.B.—Barnes Hospital, St. Louis, Missouri.
Bryan, Malvern Thornton, A.B.—City Hospital, St. Louis, Missouri.
Carter, Kenneth Locke, A.B.—City Hospital, St. Louis, Missouri.
Carter, Margaret Ann, A.B.—Albany General Hospital, Albany, New York.
Conrad, Adolph Henry, Jr., A.B.—St. Luke’s Hospital, St. Louis, Missouri.
Dakin, Marion Janet, A.B.—Barnes Hospital, St. Louis, Missouri.
Doenges, James Luther, B.S.—City of Detroit Receiving Hospital, Detroit,
Michigan.
Flandaca, Patsy Marlon, Jr., B.S.—City Hospital, St. Louis, Missouri.
Findley, James Wallace, A.B.—Lutheran Hospital, St. Louis, Missouri.
Fisher, Joseph Lee, B.S.—DePaul Hospital, St. Louis, Missouri.
Freedman, Harold, Ph.B.—City Hospital, St. Louis, Missouri.
Glenor, Hyman William, B.S.—Iowa Methodist Hospital, Des Moines, Iowa.
Gill, Harold Raymond, A.B.—Jewish Hospital, St. Louis, Missouri.
Gill, Dorothy, B.S., M.S., (cum laude)—Baltimore City Hospital, Baltimore,
Maryland.
Golden, Abraham Alfred, B.S., M.S.—St. Luke’s Hospital, Cleveland, Ohio.
Cumper, Lewis Joseph, A.B., B.S.—St. Elizabeth’s Hospital, Dayton, Ohio.
Hamilton, Eugene Henry, A.B., B.S.—St. Luke’s Hospital, St. Louis, Missouri.
Harris, Reuben Rhys, A.B.—Hillman Hospital, Birmingham, Alabama.
Hartman, Paul Tupper, A.B.—City Hospital, St. Louis, Missouri.
Hawker, William Davis, B.S.—City Hospital, St. Louis, Missouri.
Hemphill, Louis Henry, Jr., A.B., (cum laude)—Barnes Hospital, St. Louis,
Missouri.
Hetzol, Clarence Charles, Jr., A.B.—City Hospital, St. Louis, Missouri.
Hogg, Garrett, Jr., B.S.—City Hospital, St. Louis, Missouri.
Hughes, Preston Gardner, A.B.—Holy Cross Hospital, Salt Lake City, Utah.
Hunter, John Willis, Jr., A.B.—Hillman Hospital, Birmingham, Alabama.
Jordan, Wilmont Ernest, A.B.—St. Mary’s Group of Hospitals, St. Louis, Missouri.
Jones, Oscar Edgar, A.B.—Saginaw General Hospital, Saginaw, Michigan.
Jones, James Buckner, A.B.—St. Luke’s Hospital, St. Louis, Missouri.
Kirk, Edward Monchere Hospital, Pittsburgh, Pennsylvania.
Kirtz, Louis Philip, Jr., A.B.—St. Luke’s Hospital, St. Louis, Missouri.
Koch, Pearl Elizabeth—Children’s Hospital for Women and Children, San Fran-
cisco, California.
Kotner, Lawrence Melvin, A.B.—Jewish Hospital, St. Louis, Missouri.
Leech, Maurice Packwood, A.B., B.S.—Deaconess Hospital, St. Louis, Missouri.
Legow, Albert, A.B.—St. Alexius Hospital, Cleveland, Ohio.
Lionberger, John Robert, Jr., A.B.—Barnes Hospital, St. Louis, Missouri.
Lowell, Vivian Forman, A.B.—Deaconess Hospital, St. Louis, Missouri.
Lynn, Robert Bell, A.B.—City Hospital, St. Louis, Missouri.
Lynn, Theodore Ayres—Hartford Hospital, Hartford, Connecticut.
Mangum, John Robert, B.S.—St. Louis County Hospital, Clayton, Missouri.
Mantz, Harry Earl, A.B.—Barnes Hospital, St. Louis, Missouri.
McKee, Wayne Pickens, A.B.—St. Luke’s Hospital, San Francisco, California.
Meeker, Cornelius Shepherd, A.B.—Barnes Hospital, St. Louis, Missouri.
Melville, Eugene Francis, B.S., A.B.—Genesee Hospital, Rochester, New York.
Miller, Clyde Sylvester, A.B., B.S.—City Hospital, St. Louis, Missouri.
Mitchell, Landis Patterson, Jr.—City Hospital, St. Louis, Missouri.
Moles, Robert George—Henry Ford Hospital, Detroit, Michigan.
Mossay, Harry Gladding, B.S.—Presbyterian Hospital, Denver, Colorado.
Mueller, Alexander A.—Barnes Hospital, St. Louis, Missouri.
Nolan, James Findley, A.B.—Barnes Hospital, St. Louis, Missouri.
Parker, Joe Marion, A.B., M.S., (cum laude)—Barnes Hospital, St. Louis, Mis-
ouri.
Peck, George Arthur, A.B.—Colorado General Hospital, Denver, Colorado.
Piraino, Anthony Frank, A.B.—St. Luke's Hospital, Cleveland, Ohio.
Pollock, Joseph Hirsh, B.S.—Cedars of Lebanon Hospital, Los Angeles, California.
Pratt, William Coleman, A.B.—George F. Geisinger Hospital, Danville, Pennsylvania.
Richey, Tim Victor, A.B.—San Diego County Hospital, San Diego, California.
Roberts, Thomas Haynes, B.S.—Southern Pacific Hospital, San Francisco, California.
Robinson, Robert Roy, Jr., A.B., B.S.—City Hospital, St. Louis, Missouri.
Rodeman, John MacLean, A.B., B.S.—St. Luke's Hospital, Kansas City, Missouri.
Rose, William Frederick, (cum laude)—Barnes Hospital, St. Louis, Missouri.
Rosenblatt, Philip, A.B.—Jewish Hospital, Brooklyn, New York.
Ruff, Troy Eugene, A.B.—De Paul Hospital, St. Louis, Missouri.
Schultz, Samuel—City Hospital, St. Louis, Missouri.
Schwander, Leon Howard, Jr., A.B.—City Hospital, St. Louis, Missouri.
Serrano, Ernest Escarza, A.B.—St. Louis County Hospital, Clayton, Missouri.
Shuman, John William, Jr., A.B.—Santa Clara County Hospital, San Jose, California.
Silverberg, Charles, A.B.—St. Elizabeth's Hospital, Washington, D.C.
Simms, Reed Morgan, B.S.—De Paul Hospital, St. Louis, Missouri.
Skaff, Victor, A.B., B.S.—Charleston General Hospital, Charleston, West Virginia.
Smith, Warren Ferguson, B.S.—Barnes Hospital, St. Louis, Missouri.
Spitz, Milton Adolph, A.B.—St. Louis County Hospital, Clayton, Missouri.
Stambo, William Woodrow—City Hospital, St. Louis, Missouri.
Stelndorf, Eleanor Lucretia, B.S.—Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Steiner, Howard Abraham—Jewish Hospital, St. Louis, Missouri.
Sull, John De Garra, A.B., (cum laude)—St. Louis Children's Hospital, St. Louis, Missouri.
Takakazi, Kamei, B.S.—City Hospital, St. Louis, Missouri.
Wade, Leo Joseph, A.B., (cum laude)—New York Hospital, New York, New York.
Wedig, John Harrison—Barnes Hospital, St. Louis, Missouri.
Wilder, Winfield Scott, B.S.—City Hospital, St. Louis, Missouri.
Wilson, Fredrick Dale, B.S., M.S.—City Hospital, St. Louis, Missouri.
Zucker, Ralph Leo, B.S., (cum laude)—Cincinnati General Hospital, Cincinnati, Ohio.

BACHeLor OF SCIENCE IN MEDICAL SCIENCE

NAME — ADDRESS
Barnett, Henry Lewis—St. Louis, Missouri.
Doenges, James Luther—Tonkawa, Oklahoma.
Pollock, Joseph Hirsh—St. Louis, Missouri.
Simpson, Reed Morgan—St. Louis, Missouri.

Total, 96.

PRIZES AWARDED AT COMMENCEMENT
June 7, 1938

GILL PRIZE IN ANATOMY
Earl Wilbur Sutherland, Jr., B.S.

GILL PRIZE IN PEDIATRICS
Henry Lewis Barnett, B.S.
Cornelius Shepherd Meeker, A.B.

ALPHA OMEGA ALPHa PRIZE
Louis Henry Hempelmann, Jr., A.B.

ALEXANDER BERG PRIZE IN BACTERIOLOGY
Hyman William Giersen, B.S.
Abraham Alfred Golden, B.S., M.S.

ALUMNI SCHOLARSHIP
Leo Sachar, A.B.

JACKSON JOHNSON SCHOLARS — 1938-39
Roy Elmer Ahrens, Jr., A.B.
William Morris Anderson, B.S.
Frank A. Brown, Jr., A.B.
Charles M. Huguley, Jr., A.B.
Gordon Sparks Letterman, A.B.
Frances Marshall Love, A.B.

Charles B. Mueller, A.B.
William George Reese, B.S., M.S.
Philip T. Shahan, A.B.
Vergil Nelson Sloc, A.B.
Souther Fulton Tompkins, A.B.
Martin S. Withers, A.B.
### ROSTER OF STUDENTS

**PHYSICIANS ATTENDING GRADUATE COURSES BETWEEN JANUARY 1 and DECEMBER 31, 1938**

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<tr>
<th>Name</th>
<th>Specialty</th>
<th>Location</th>
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<tr>
<td>Anderson, Elam D.</td>
<td>Ophthalmology</td>
<td>Fairview, Utah</td>
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<td>Blew, Clarence L.</td>
<td>Ophthalmology</td>
<td>Concord, Kans.</td>
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<tr>
<td>Bramwell, Lawon M.</td>
<td>Otolaryngology</td>
<td>Lake Arrowhead, Calif.</td>
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<td>Budetti, Joseph A.</td>
<td>Otolaryngology</td>
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<td>Bursten, Hershel H.</td>
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<td>Chessen, James M.</td>
<td>Otolaryngology</td>
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<td>Clarke, Donald E.</td>
<td>Obstetrics and Gynecology</td>
<td>Longview, Wash.</td>
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<tr>
<td>Compton, J. Roy, M.D.</td>
<td>Anotomy</td>
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<td>Falco, Carroll J.</td>
<td>Obstetrics and Gynecology</td>
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<td>Frey, Walter D. M.</td>
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<td>Goldman, Herbert B.</td>
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<td>Greenwald, Seymour M.</td>
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<td>Heiser, John E. M.</td>
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<td>Kaiser, George L. M.</td>
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<td>Lee, Frank N. M.</td>
<td>Obstetrics and Gynecology</td>
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<td>McGannon, Francis L. M.</td>
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<tr>
<td>Mills, John F. M.</td>
<td>Ophthalmology</td>
<td>Wabash, Ind.</td>
</tr>
<tr>
<td>Morgan, Harold E. M.</td>
<td>Ophthalmology</td>
<td>Frederion, Kans.</td>
</tr>
<tr>
<td>Mountjoy, Philip S. M.</td>
<td>Otolaryngology</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Nelson, Henry W. M.</td>
<td>Obstetrics and Gynecology</td>
<td>Ogden, Utah</td>
</tr>
<tr>
<td>Newport, Pearce E. M.</td>
<td>Otolaryngology</td>
<td>Clarinda, Iowa</td>
</tr>
<tr>
<td>Owsley, Robert W. C.</td>
<td>Otolaryngology</td>
<td>Throntown, Ind.</td>
</tr>
<tr>
<td>Parker, James C. M.</td>
<td>Obstetrics and Gynecology</td>
<td>Delaware, Ohio</td>
</tr>
<tr>
<td>Phillips, Lyle C. M.</td>
<td>Obstetrics and Gynecology</td>
<td>Honolulu, T. H.</td>
</tr>
<tr>
<td>Fowell, Archie C. M.</td>
<td>Otolaryngology</td>
<td>Seattle, Wash.</td>
</tr>
<tr>
<td>Raines, Conley L. M.</td>
<td>Obstetrics and Gynecology</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Roberts, Rufus A. M.</td>
<td>Otolaryngology</td>
<td>Decatur, Tex.</td>
</tr>
<tr>
<td>Rosenberg, Henry E. M.</td>
<td>Anotomy</td>
<td>Richmond Heights, Mo.</td>
</tr>
<tr>
<td>Ryder, Bruce L. M.</td>
<td>Obstetrics and Gynecology</td>
<td>Tiffany, Ill.</td>
</tr>
<tr>
<td>Schaefer, George J. M.</td>
<td>Otolaryngology</td>
<td>Edwardsville, Ill.</td>
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<tr>
<td>Schmidt, McKinley A. M.</td>
<td>Obstetrics and Gynecology</td>
<td>Alliance, Ohio</td>
</tr>
<tr>
<td>Shillito, T. D. M.</td>
<td>Otolaryngology</td>
<td>Cincinnati, Ohio</td>
</tr>
<tr>
<td>Smith, Frank J. M.</td>
<td>Anotomy</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Ulrich, Henry J. M.</td>
<td>Otolaryngology</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Vander Meulen, Herman C. M.</td>
<td>Obstetrics and Gynecology</td>
<td>Pella, Iowa</td>
</tr>
<tr>
<td>Viale, Nicholas S. M.</td>
<td>Anotomy</td>
<td>Normal, Mo.</td>
</tr>
<tr>
<td>Waltz, Harold D. M.</td>
<td>Otolaryngology</td>
<td>Seattle, Wash.</td>
</tr>
<tr>
<td>White, Carl H. M.</td>
<td>Otolaryngology</td>
<td>Fenton, Mich.</td>
</tr>
<tr>
<td>Wood, Jack L. M.</td>
<td>Otolaryngology</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Yavmov, Charles S. M.</td>
<td>Otolaryngology</td>
<td>Mt. Vernon, N. Y.</td>
</tr>
</tbody>
</table>

### FOURTH YEAR CLASS

<table>
<thead>
<tr>
<th>Name</th>
<th>Specialty</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ackerly, Roscoe Hope</td>
<td>B.S., Mont. State Coll., '35—Danvers, Mont.</td>
<td></td>
</tr>
<tr>
<td>Ahrens, John Felsman</td>
<td>A.B., Coll. of Wooster, '35—New York, N. Y.</td>
<td></td>
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<tr>
<td>Anderson, Charles Roy</td>
<td>A.B., Univ. of Ill., '35—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Barnham, Berin Francis</td>
<td>B.S., Univ. of N. C., '37—Leawesville, N. C.</td>
<td></td>
</tr>
<tr>
<td>Basham, George Leo</td>
<td>A.B., Univ. of Wclita, '35—Wclita, Kans.</td>
<td></td>
</tr>
<tr>
<td>Baur, Alfred Karl</td>
<td>A.B., Washington Univ., '35—Webster Groves, Mo.</td>
<td></td>
</tr>
<tr>
<td>Berger, Irving A.</td>
<td>A.B., Western Reserve Univ., '35—Cleveland Heights, Ohlo</td>
<td></td>
</tr>
<tr>
<td>Bernard, Benjamin Byral</td>
<td>A.B., Washington Univ., '35—East St. Louis, Ill.</td>
<td></td>
</tr>
<tr>
<td>Bernard, William Reisch</td>
<td>B.S., Univ. of Notre Dame, '35—Springfield, Ill.</td>
<td></td>
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<tr>
<td>Bierman, Howard Richard</td>
<td>—Newark, N. J.</td>
<td></td>
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<tr>
<td>Blair, Gray Papin, Jr.</td>
<td>—Pleasant, Mo.</td>
<td></td>
</tr>
<tr>
<td>Blum, Leo J., Jr.</td>
<td>B.S., Mercer Univ., '36—Macon, Ga.</td>
<td></td>
</tr>
</tbody>
</table>

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1 This does not include physicians attending graduate courses which began in 1937 and continued into 1938.
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree Details</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bohne, Arthur Waite, A.B.</td>
<td>Univ. of Mo., '35—Joplin, Mo.</td>
<td></td>
</tr>
<tr>
<td>Boyer, Sidney Steven, B.S.</td>
<td>Long Island Univ., '34—Brooklyn, N.Y.</td>
<td></td>
</tr>
<tr>
<td>Brekel, Carl Arthur</td>
<td>Seattle, Wash.</td>
<td></td>
</tr>
<tr>
<td>Brookbank, Mark Joseph, A.B.</td>
<td>Brigham Young Univ., '35—Spanish Fork, Utah</td>
<td></td>
</tr>
</tbody>
</table>
| Burridge, Earl LeRoy, A.B.  | Univ. of Wis., '35—St. Louis, Mo.
| Campbell, Harry Bryant, A.B.| Univ. of S. Dak., '34 ; B.S., Univ. of S. Dak., '37—Des Moines, Iowa |
| Canepa, Edward Gaten        | St. Louis, Mo.                  |            |
| Cockett, Patrick Mormon, Jr.| B.S., Univ. of Hawaii, '35—Maul, T.H. |
| Corgill, Donald Alton, A.B. | Univ. of Alabama, '38—Monticello, N.Y. |
| Crocker, Edward—Stettin, Germany |                             |
| Dameron, Edward Oscar, B.S. | Univ. of Mo., '37—Elisberry, Mo. |
| Dix, John Willoughby, B.S.  | Univ. of Miami, '36—Coral Gables, Fl. |
| Dodd, Donald Clifford, A.B. | Univ. of Calif., '35—Oakland, Calif. |
| Douglas, Paul Lowell, A.B.  | William Jewell Coll., '33 ; B.S., Univ. of Mo., '36—Liberty, Mo. |
| Douglass, Thomas Harrelson, Jr.| Univ. of Mo., '36 ; B.S., Univ. of Mo., '37—Bolivar, Mo. |
| Eckert, Charles Leonard     | New York, N.Y.                  |            |
| Eleventh, John Nelson, A.B. | Univ. of N. Dak., '35 ; B.S., Univ. of N. Dak., '37—Bismarck, N. Dak. |
| Epstein, Oscar Fritioff, A.B.| Univ. of Wis., '31—Madison, Wis. |
| Foster, Miles Everett, Jr.  | Univ. of Mo., '36 ; B.S., Univ. of Mo., '37—Ft. Smith, Ark. |
| Fox, Leon Julius            | St. Joseph, Mo.                 |            |
| Fraser, George Frederick, A.B.| Stanford Univ., '35—Antioch, Calif. |
| Fraser, Richard Stanton, A.B.| Univ. of Mo., '33 ; B.S., Univ. of Mo., '37—St. Louis, Mo. |
| Geppert, Leo Joseph, A.B.   | Univ. of S. Dak., '35 ; M.A., Univ. of S. Dak., '37—Vermillion, S. Dak. |
| Graham, John Glenwood, Jr.  | A.B., Washington Univ., '35—University City, Mo. |
| Greeley, Robert Hiram, A.B. | Univ. of Ill., '35—Waterman, Ill. |
| Hansen, Phil, A.B.          | Brigham Young Univ., '35—Richfield, Utah |
| Halsell, Edward Morris, A.B.| Univ. of Denver, '36—Ancon, Canal Zone |
| Harrell, Julius Grissom     | St. Louis, Mo.                  |            |
| Hoeh, John Edmund, A.B.     | Univ. of Ill., '35—Benton, Ill.  |
| Hildebrand, William Bennett, B.S.| Univ. of Wis., '37—Madison, Wis. |
| Ingerfield, Herman Frederick | Phoenix, Ariz.                  |            |
| Ingram, Joseph Annard, B.S. | Univ. of Ky., '35—Lexington, Ky. |
| Jones, Sam, A.B.            | Univ. of Kans., '35—Hutchinson, Kans. |
| Jordan, Fred Covington, Jr. | B.S., Univ. of Ariz., '35—Phoenix, Ariz. |
| Keys, Edgar Hayden, Jr.     | A.B., Harvard Univ., '36—University City, Mo. |
| Lamar, Robert Frederick, A.B.| Univ. of Kans., '35—Kansas City, Mo. |
| Latham, Kenyon Stuart, A.B. | Univ. of Mo., '35—California, Mo. |
| McBride, West Glover, B.S.  | Univ. of Wash., '35—Tacoma, Wash. |
| McMahon, John Robert, B.S.  | Linfield Coll., '35—Shoshone, Idaho |
| Melick, William Frank       | St. Louis, Mo.                  |            |
| Mullen, Aloysius John, B.S. | Univ. of Wis., '35—Bronx, N.Y. |
| Nutter, Leonard Wilkins, A.B.| Brigham Young Univ., '35—Twin Falls, Idaho |
| O'Hanlon, Bartholomew Michael, A.B.| Washington Univ., '35—St. Louis, Mo. |
| Reinhardt, Edward Humphrey, A.B.| Washington Univ., '35—St. Louis, Mo. |
| Ritter, Morton David, A.B.  | Univ. of Ala., '36—Atlantic City, N. J. |
| Robinson, Donald Wade, A.B. | Univ. of N. Dak., '36 ; B.S., Univ. of N. Dak., '37—Garrison, N. Dak. |
| Rossow, Russell J., B.S.    | Univ. of Wis., '35—St. Louis, Mo. |
| Senne, Herbert Carl, A.B.   | Univ. of Mo., '32 ; B.S., Univ. of Mo., '37—Sweet Springs, Mo. |
Skinner, John Thomas, A.B., Univ. of Mo., '35; B.S., Univ. of Mo., '37—Kansas City, Mo.
Smith, Hugh Reinhardt, Jr., A.B., Washington Univ., '35—St. Louis, Mo.
Starkloff, Gene Baldwin—St. Louis, Mo.
Thoma, John Walter Richard—Springfield, Ill.
Towers, Orville White, B.S. in Ed., N. E. Mo. State Teachers Coll., '35; B.S., Univ. of Mo., '37—St. Charles, Mo.
Van Deventer, James Kendall, A.B., Stanford Univ., '31—Long Beach, Calif.
Wallace, Samuel Henderson, Jr., A.B., Univ. of Ala., '36—Birmingham, Ala.
Weaver, Jerome Anderson, A.B., Marietta Coll., '35—Cairo, W. Va.
Welch, Arnold DeMerritt, B.S., Univ. of Fla., '36; M.S., Univ. of Fla., '31; Ph.D., Univ. of Toronto, '34—Webster Groves, Mo.
White, Charles Ormond—Belleville, Ill.
Whitehead, Fred Stewart, Jr., A.B., Univ. of Ala., '36—Moundville, Ala.
Woll, Maurice, A.B., Washington Univ., '35—Kansas City, Mo.
Zander, Ernst—Chicago, Ill.
Zillgitt, George Henry, A.B., Univ. of Mo., '36; B.S., Univ. of Mo., '37—Marthasville, Mo.

Total, 95.

THIRD YEAR CLASS

Ackerman, Albert Austin, A.B., Washington Univ., '36—St. Louis, Mo.
Adams, George Wilburn, A.B., Univ. of Ala., '36—Guntersville, Ala.
Anschuetz, Robert Ralph—Kansas City, Mo.
Biggs, Fred Joseph, Jr., A.B., Univ. of Mo., '36—Cairo, W. Va.
Bishop, Marion Dale—Hazelton, Kans.
Bowen, Mary Elizabeth, A.B., Washington Univ., '36—St. Louis, Mo.
Brown, Seymour—St. Louis, Mo.
Burns, Francis Ramsey, A.B., Univ. of Ala., '36—Montevallo, Ala.
Crowell, Thomas Worth, A.B., Univ. of N. C., '35—Newton, N. C.
Cummins, William Shepley, A.B., Dartmouth Coll., '36—Webster Groves, Mo.
Davis, Frank Lother, A.B., Washington Univ., '36—St. Louis, Mo.
Dowling, Judson Davie, Jr., A.B., Univ. of Ala., '36—Birmingham, Ala.
Edwards, David Russell, A.B., Univ. of Mo., '37, B.S., Univ. of Mo., '38—Jefferson City, Mo.
Esling, Arthur Thomas—St. Louis, Mo.
Fiedler, Lealroad Roberts, A.B., Univ. of Utah, '36—Honolulu, T. H.
Fleming, Albert Edward, A.B., Fresno State Teachers Coll., '36—Sanger, Calif.
Foerster, James Motz, A.B., Washington Univ., '35—St. Louis, Mo.
Franklin, Harold Charles, A.B., Grinnell Coll., '34—Atlantic, Iowana.
Friedman, Harry Tamer, A.B., Washington Univ., '36—St. Louis, Mo.
Gallagher, John Erwin, B.S., Univ. of Toledo, '36—Rossford, Ohio.
Gaither, Charles E., Jr., A.B., Westminster Coll., '36—Ferguson, Mo.
Hart, Robert Lowell, A.B., Univ. of Calif., '35—Vermont, Cali.
Hightower, Perry Charles, A.B., Univ. of Utah, '37—St. Louis, Mo.
Goegger, Verne Frederick, A.B., Washington Univ., '36—Webster Groves, Mo.
Golding, David, A.B., Washington Univ., '36—St. Louis, Mo.
Gottschalk, Roger—Jefferson City, Mo.
Greaves, Fern Glenn Harrington, A.B., Univ. of Calif., '33—St. Louis, Mo.
Gregory, Kendall Decatur—Decatur, Ill.
Grindell, George Alfred, B.S., Univ. of Wis., '38—Platteville, Wis.
Crowdon, James Harold—Joplin, Mo.
Crowley, Otto Henry, A.B., Univ. of Calif., '36—Berkeley, Calif.
Harris, Joe Bryne, A.B., Univ. of Tex., '36—Midlothian, Tex.
Huntington, Margaret Orr, A.B., Swarthmore Coll., '36—St. Louis, Mo.
Johnson, Charles Henry, A.B., S. W. Mo. State Teachers Coll., '35, B.S., Univ. of Mo., '38—St. Louis, Mo.
Johnson, Mary Bear, B.S., Univ. of Mo., '38—St. Louis, Mo.
Jolly, Benjamin Newton, A.B., Univ. of Mo., '37, B.S., Univ. of Mo., '38—St. Charles, Mo.
Kallenbach, Glen Parnell, A.B., Univ. of Mo., '38, B.S., Univ. of Mo., '38—Tuscaloosa, Mo.
Kerr, David Nafe, A.B., Univ. of Colo., '38—Boulder, Colo.
Kettlebach, Flora Louise, B.S., Univ. of Ariz., '36—Tucson, Ariz.
Kingsley, Sumner Brooks II, A.B., Cornell Univ., '34, B.S., Univ. of S. Dak., '38—Rome, N. Y.
Kinman, Janell Merle, B.S., Univ. of Notre Dame, '36—Jonesboro, Ark.
Kohl, Mathias Franz Frederick, B.S., Mount Union Coll., '33; Ph.D., Univ. of Rochester, '38—St. Louis, Mo.
Landau, Richard Louis—St. Louis, Mo.
Lindley, Emmett Herbert, A.B., N. W. Mo. State Teachers Coll., '36—Moberly, Mo.
Long, Thomas Sparrow, B.S., Univ. of N. C., '37—Washington, N. C.
Macdonald, William Charles, B.S., Univ. of Notre Dame, '36—St. Louis, Mo.
Mann, James A.B., Univ. of Ill., '36—Paterson, N. J.
Markham, Mary Headlee, A.B., Univ. of Mo., '38—St. Louis, Mo.
McCollough, Jerome Jesse, A.B., Univ. of Mo., '36; B.S., Univ. of Mo., '38—Columbia, Mo.
Meadow, Mary Catherine, A.B., Washington Univ., '36—Clayton, Mo.
Moore, Gordon Fairlie, B.S., University of Rochester Coll., '30; M.S., Ohio State Univ., '32—Raden, Ohio
Obermeyer, Charles George, A.B., University of Ill., '36—Decatur, Ill.
Park, Oakley Knox, A.B., Univ. of Ala., '36—Tuscaloosa, Ala.
Pearce, Lee James, A.B., Univ. of Ill., '36—Eldorado, Ill.
Read, William Tolbert—Coffeyville, Kans.
Rhoads, Wallace, Jr.—University City, Mo.
Robertson, Howard Thomas—Concordia, Kans.
Robertson, James Hartford, B.S., Drury Coll., '36—Springfield, Mo.
Robinson, Leo Davis, A.B., Univ. of Kans., '36—Iola, Kans.
Sachar, Leo Aaron, A.B., Washington Univ., '36—St. Louis, Mo.
Sale, Llewellyn, Jr., A.B., Yale Coll., '36—St. Louis, Mo.
Savoy, John Harnsworth—Atchison, Kans.
Sawyer, Harry William, Jr., A.B., Univ. of Nev., '36—Fallon, Nev.
Scheen, Frederic L., A.B., Washington Univ., '36—St. Louis, Mo.
Skinner, Ben Smith, B.S., Univ. of N. C., '37—Durham, N. C.
Skinner, John Spalding—Webster Groves, Mo.
Slind, Ole, Jr., B.S., State Coll. of Wash., '36—La Crosse, Wash.
Smith, Joseph James—Shakopee, Okla.
Smith, Paul Robert, Moore, Jr., A.B., Washington Univ., '36—Webster Groves, Mo.
Streuslen, Gilbert William, A.B., Univ. of Ala., '36—Tuscaloosa, Ala.
Strehlman, Benjamin George, A.B., Central Coll., '35; M.A., Univ. of Mo., '32—Bland, Mo.
Summers, Joseph Stewart, Jr., A.B., Univ. of Mo., '37; B.S., Univ. of Mo., '38—Jefferson City, Mo.
Tominson, William Loren, Jr., A.B., S. E. Mo. State Teachers Coll., '35—Forrest City, Mo.
Wall, Walton B., Jr., B.S., Univ. of Fla., '36—Fayetteville, Ark.
Wathen, Charles Barbour, B.S., Univ. of Ky., '34—Morganfield, Ky.
Wright, Sydney Thurman, A.B., Fresno State Teachers Coll., '35—Selma, Calif.
Young, Robert Helm, A.B., Washington Univ., '36—Kirkwood, Mo.

SECOND YEAR CLASS

Ahrens, Roy Edwin, Jr., A.B., Washington Univ., '38—St. Louis, Mo.
Allott, Bernice, A.B., Washington Univ., '37—St. Louis, Mo.
Ahrens, Roy Edwin, Jr., A.B., Washington Univ., '37—St. Louis, Mo.
Bachwitt, David, A.B., Washington Univ., '37—Brooklyn, N. Y.
Bartels, Bernhardt Brandt, B.S., State Coll. of Wash., '37—Tacoma, Wash.
Beatty, John Henry, B.S., Univ. of Wash., '37—Everett, Wash.
Rosenberg, Philip Wendell, A.B., Friends Univ., '37—Wichita, Kans.
Rube, James William, A.B., Texas Christian Univ., '37—Obey, Ill.
Bohmert, Earl, A.B., Washington Univ., '37—St. Louis, Mo.
Bramwell, Donald Marion, B.S., Oregon State Coll., '36—Corvallis, Ore.
Campbell, Cornelia Ruth, A.B., Texas Christian Univ., '37—Del Rio, Tex.
Canasa, Bruce Livingston, Jr.—Lima, Peru.
Caraco, Henry Aaron, A.B., Univ. of Calif. at Los Angeles, '37—Los Angeles, Calif.
Clymer, James Mitchell, B.S., Southeastern Teachers Coll., '33—Durant, Okla.
Connolly, Randall, A.B., Ohio Univ., '37—Parkersburg, W. Va.
Cook, Robert Jerome, A.B., Washington Univ., '37—St. Louis, Mo.
Dickerson, Robert Brooks, A.B., Pomona Coll., '33—San Diego, Calif.
Ellis, Calvin Carlyle, A.B., Washington Univ., '37—Olmulgee, Okla.
Elman, Alexander, B.S., Univ. of Ark., '37—Brooklyn, N. Y.
Eganian, Jane Arax, A.B., Washington Univ., '37—Webster Groves, Mo.
Eldees, Charles Edward—Olmey, Ill.
Garretson, Kirk Durand, A.B., Univ. of Calif., '37—Oakland, Calif.
Glaser, Joseph Louis, A.B., Washington Univ., '37—St. Louis, Mo.
Graybill, John Gilbert, A.B., Westminster Coll., '37—Webster Groves, Mo.
Fritz, Sylvan Altschiller, B.S., Univ. of Calif., '36—New York, N. Y.
Hertz, Sylvan Altschiller, B.S., Univ. of Calif., '36—New York, N. Y.
Huffman, D. A., B.S., Texas Christian Univ., '37—Abilene, Tex.
Kahn, Leon, B.S., Coll. of the City of N. Y., '36; M.S., Univ. of Mich., '37—Brooklyn, N. Y.
Kinder, James Absolom, Jr., A.B., Washington Univ., '37—Cape Girardeau, Mo.
Koerner, Kenneth Albert, A.B., Washington Univ., '35—St. Louis, Mo.
La Force, Richard Francis, A.B., Univ. of Mo., '37—Lamar, Mo.
Lilley, John, A.B., Harvard Coll., '37—Rochester, N. Y.
Lettermen, Gordon Sparks, A.B., Washington Univ., '37—St. Louis, Mo.
Mariea, Donald James, B.S., Univ. of Calif., '36—Toledo, Ohio
Mark, Philip Frederick, A.B., Univ. of Ark., '37—Eureka Springs, Ark.
McKee, Samuel Preston—East Prairie, Mo.
McCann, Harold Edward—East St. Louis, Ill.
McEVOY, Donald Mcgregor, B.S., Univ. of Wash., '37—Tacoma, Wash.
McCris, William Pitch—Carbondale, Ill.
Moreland, Joseph Ivan—East St. Louis, Ill.
Mueller, Vernetta Austin, A.B., Municipal Univ. of Wichita, '38—Wichita, Kans.
Nunez, Chester McLeod, A.B., Washington Univ., '34; M.S., Washington Univ., '36—Clarksville, Mo.
Ozment, Thomas Lewis, A.B., Washington Univ., '37—Harrisburg, Ill.
Phillips, Alroy Bradbury, A.B., Westminster Coll., '37—St. Louis, Mo.
Price, William Phillip—Little River, Kans.
Rutweiner, C. A., A.B., Univ. of Calif., '32—Modesto, Calif.
Reed, Darwin Cramer, A.B., Municipal Univ. of Wichita, '37—Wichita, Kans.
Rehn, Carol Henry, B.S., Univ. of Chicago, '35—St. Genevieve, Mo.
Rosen, Al, A.B., Univ. of Southern Calif., '36—Hollywood, Calif.
Ross, Thomas Edgar, Jr., B.S., Univ. of Nev., '37—Reno, Nev.
Sanderson, Barbara Ina, A.B., Okla. Coll. for Women, '37—Burbank, Okla.
Schechter, Samuel Elcy—St. Louis, Mo.
Schneider, Eldis Lewis—Dodge City, Kans.
Schwarz, Henry—St. Louis, Mo.
Schier, Julius Milton, A.B., Washington Univ., '37—Passaic, N. J.
Singletorn, Virginia, B.S., Western Ky. State Teachers Coll., '37—Bowling Green, Ky.
Smith, Garland Fredrick, A.B., Westminster Coll., '37—St. Louis, Mo.
Stewart, Robert Wendell, B.S., Drury Coll., '37—Springfield, Mo.
Sutherland, Earl William, Jr., B.S., Washburn Coll., '37—Burlingame, Kans.
Tomkins, Anne, B.S., Union Univ., '32—Burdette, Ark.
Topp, William Leon, B.S., Univ. of Wash., '36—Seattle, Wash.
Williams, Charles Sampson—Malden, Mo.
Womble, James George, A.B., Washington Univ., '37—Muskogee, Okla.
Yamow, Mitchell—Madison, Ill.
Yarbrough, Charles Lee—Cairo, III.

Total, 77.

FIRST YEAR CLASS — 1938-39

Anderson, William Morris, B.S., Coll. of William and Mary, '38—Cramerton, N. C.
Beadles, Joseph Nathan, A.B., III. Wesleyan Univ., '37—Bloomington, Ill.
Blumenthal, Herman Theodore, B.S., Rutgers Univ., '34; M.S., Univ. of Pa., '36; Ph.D., Washington Univ., '38—Railway, N. J.
Bressler, Bernard, A.B., Washington Univ., '38—St. Louis, Mo.
Brindley, Hanes Hanby—Temple, Texas
Brown, Frank Augustus, Jr., A.B., Davidson Coll., '37—Davidson, N. C.
Brown, Royal Lee, A.B., Univ. of Utah, '32; A.M., Univ. of Utah, '33—Kooshareh, Utah
Busse, Ewald William, A.B., Westminster Coll., '38—St. Louis, Mo.
Callaway, Claude Farham—Springfield, Mo.
Crenshaw, James Faulkner, B.S., Birmingham Southern Coll., '38—Birmingham, Ala.
Davis, William Joseph, B.S., Univ. of Wash., '38—Spokane, Wash.
Devereux, Edwin Ewing, A.B., Fresno State Teachers Coll., '38—Fresno, Calif.
Eck, Birkle, A.B., Washington Univ., '38—St. Louis, Mo.
Ewinsberg, Alex—New York, N. Y.
Foote, Burton Alexander, B.S., Univ. of Wash., '38—Elma, Wash.
Giacinto, Vincent Louis, A.B., Johns Hopkins Univ., '38—Bayonne, N. J.
Glashow, Julius—New York, N. Y.
Graham, Floyd Lee—North Platte, Nebr.
Graul, Walter Philip, A.B., Valparaiso Univ., '38—St. Louis, Mo.
Grosbard, Gene Marlon, B.S., Univ. of Wyo., '38—Worland, Wyo.
Hamlin, Edwin Marshall, A.B., Univ. of Calif., '38—Santa Rosa, Calif.
Harden, Russell Louis, B.S., St. Ambrose Coll., '36—Moline, Ill.
Herrmann, Arnold John, B.S., Elmhurst Coll., '38—St. Louis, Mo.
Huyler, Charles Mason, Jr., A.B., Emory Univ., '38—Atlanta, Ga.
Jones, Asa Charles, Jr., A.B., Washington Univ., '38—University City, Mo.
Jones, Edward Henry, Jr., A.B., Western Reserve Univ., '37—Youngstown, Ohio.
Jones, Russell LeRoy—Missoula, Mont.
Klinge, Frederick William, A.B., Univ. of Mo., '38—St. Louis, Mo.
Kotner, Irvin Alfred, A.B., Washington Univ., '38—St. Louis, Mo.
Kraft, Edward Otto, Jr.—University City, Mo.
Kreiss, Caroline Georgine, A.B., Univ. of Calif., '38—San Mateo, Calif.
Lerry, Samuel Arthur; A.B., Howard Coll., '38—Birmingham, Ala.
Loquvam, George Sheridan, B.S., St. Coll. of Wash., '38—Spokane, Wash.
Madonia, Angelo Joseph, A.B., Univ. of Rochester, '38—Rochester, N. Y.
Martz, John Charles, A.B., Univ. of Mo., '38—Kirkwood, Mo.
Mayfield, James Logan—Crystal City, Mo.
McCafe, Chester Alan—Long Beach, Calif.
Mielich, Lewis, B.S., Univ. of Idaho, '35; M.S., Univ. of Idaho, '38—Mullan, Idaho
Mill, Charles David, A.B., Washington Univ., '38—St. Louis, Mo.
Mueller, Charles Barber, A.B., Univ. of Ill., '38—Carlinville, Ill.
Neviles, Jackson Coll., B.A., Washington Univ., '38—Webster Groves, Mo.
Pillsbury, Ruth Merrill, A.B., Univ. of Calif., '37—Berkeley, Calif.
Ransom, Dow Harvey, Jr., A.B., Stanford Univ., '38—Madera, Calif.
Reese, William George, B.S., Univ. of Idaho, '38; M.S., Univ. of Idaho, '38—Preston, Idaho
Reller, Helen Clarissa, A.B., Washington Univ., '38—St. Louis, Mo.
Rice, Herman, A.B., Western Reserve Univ., '37—Cleveland, Ohio
Schaefer, Ruth, A.B., Washington Univ., '38—St. Louis, Mo.
Schweitzer, Fred Carl, Jr., B.S., Drury Coll., '38—Springfield, Mo.
Shahan, Philip Truman, A.B., Harvard Coll., '38—Clayton, Mo.
Shobe, Frank Oscar, A.B., Washington Univ., '38—St. Louis, Mo.
Showalter, John Ralph, Jr., A.B., De Pauw Univ., '38—Kirkwood, Mo.
Sternman, Hyman Bernard, B.S., Coll. of the City of N. Y., '38; M.S., Washington Univ., '38—Great Neck, N. Y.
Storts, Robert Benjamin—Pomona, Calif.
Sunseri, Joseph James—San Jose, Calif.
Sweet, Homer Allen—Seattle, Wash.
Tillman, Walter William, Jr.—Springfield, Mo.
Watkins, George Linn, A.B., Westminster Coll., '38—Farmington, Mo.
Weaver, Jack Dorsey, A.B., Washington Univ., '38—Wichita, Kans.
Weber, Joseph Hausner, B.S., Villanova Coll., '38—Oney, Ill.
West, John Wright—Billings, Mont.
White, Abraham George, B.S., Coll. of the City of N. Y., '37—Ozone Park, L. I., N. Y.
Withers, Martin Sanford, A.B., Univ. of Kans., '38—Clay Center, Kans.
Zell, Augustine Bernard, B.S., Univ. of Notre Dame, '38—Little Rock, Ark.
Total, 77.

SPECIAL STUDENT
Bottom, Donald Stewart, A.B., Washington Univ., '32—St. Louis, Mo.

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