1942

Washington University School of Medicine bulletin, 1942

Follow this and additional works at: http://digitalcommons.wustl.edu/med_bulletins

Recommended Citation

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University School of Medicine Bulletins by an authorized administrator of Digital Commons@Becker. For more information, please contact engeszer@wustl.edu.
WASHINGTON UNIVERSITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Note: Those desiring information concerning any of the divisions listed above should write to the Dean or Director concerned.
### CALENDAR

#### 1943

<table>
<thead>
<tr>
<th></th>
<th>JANUARY</th>
<th>FEBRUARY</th>
<th>MARCH</th>
<th>APRIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>T</td>
<td>W</td>
<td>T</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
<th>AUGUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>T</td>
<td>W</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>30</td>
<td>31</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

#### 1944

<table>
<thead>
<tr>
<th></th>
<th>JANUARY</th>
<th>FEBRUARY</th>
<th>MARCH</th>
<th>APRIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>T</td>
<td>W</td>
<td>T</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
<th>AUGUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>T</td>
<td>W</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>30</td>
<td>31</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>
CALENDAR
1943

DATES FOR REGISTRATION
January 4, 1943
March 29, 1943
June 12, 19, 1943
September 27, 1943

HOLIDAYS
Thanksgiving Day, November 25, 1943
Christmas Recess, December 20, 1943 to January 1, 1944

SCHEDULES
Under the accelerated program the schedules for the first, second, and third year classes are based upon three terms (trimesters) of twelve weeks each. The schedule for the fourth year class consists of four terms (quarters) of eight or ten weeks.

For fourth year class graduating in March, 1943
Third quarter ends January 23, 1943
Fourth quarter begins January 25; ends March 20, 1943
Commencement, March 21, 1943

For fourth year class beginning in March, 1943
Third trimester (third year) begins January 4; ends March 20, 1943
First quarter (fourth year) begins March 29; ends May 22, 1943
Second quarter begins May 31; ends July 24, 1943
Third quarter begins July 26; ends September 18, 1943
Fourth quarter begins October 4; ends December 12, 1943

For third year class beginning in March, 1943
Third trimester (second year) begins January 4; ends March 20, 1943
First trimester (third year) begins March 29; ends June 19, 1943
Second trimester begins July 5; ends September 25, 1943
Third trimester begins September 27; ends December 18, 1943

For second year class beginning in March, 1943
Third trimester (first year) begins January 4; ends March 27, 1943
First trimester (second year) begins March 29; ends June 12, 1943
Second trimester begins July 5; ends September 25, 1943
Third trimester begins September 27; ends December 18, 1943

For first year class beginning in March, 1943
First trimester begins March 29; ends June 19, 1943
Second trimester begins July 5; ends September 25, 1943
Third trimester begins September 27; ends December 18, 1943

Subject to possible change the following dates have been set for the admission of incoming students in 1944:
January 3, 1944
October 2, 1944
THE CORPORATION

President
HARRY BROOKINGS WALLACE

First Vice-President
ALFRED LEE SHAPLEIGH

Second Vice-President
 DANIEL KAYSER CATLIN

Directors
ALFRED LEE SHAPLEIGH
HARRY BROOKINGS WALLACE
WILLIAM HENRY DANFORTH
DAVID KAYSER CATLIN
DANIEL NOYES KIRBY
MALVERN BRYAN CLOPTON
EUGENE DUTTON NIMS
ERNEST WILLIAM STIX

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

JOHN MERRILL OLIN

Treasurer
THOMAS EDWARD BLACKWELL

Secretary to the Corporation
JOSEPH HENRY ZUMBALEN

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

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

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

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

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

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

EMERITUS PROFESSORS

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

LEO LOEB . . . . Profesor Emeritus of Pathology
M.D., University of Zurich, 1896.

LEE WALLACE DEAN . . . . Professor Emeritus of Otolaryngology
B.S., University of Iowa, 1894; M.S., 1896; M.D., 1896.

HARRY STURGEON CROSSEN . Professor Emeritus of Clinical Obstetrics and Gynecology
M.D., Washington University, 1882.

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

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

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

VILRAY PAPIN BLAIR . . Professor Emeritus of Clinical Surgery
A.M., Christian Brothers College, 1890; M.D., Washington University, 1892.

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

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

PROFESSORS

JOSEPH ERLANGER . . . . Professor of Physiology and Head of the Department
B.S., University of California, 1895; M.D., Johns Hopkins University, 1899;
LL.D., University of California, 1932; Sc.D., University of Pennsylvania, 1938;
Sc.D., University of Wisconsin, 1936; Sc.D., University of Michigan, 1937.

PHILIP ANDERSON SHAFFER Professor of Biological Chemistry and Head of the Department
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D.,
University of Rochester, 1939.

1 Arranged in groups in order of appointment, as of December, 1942.
2 Deceased July 24, 1942.
3 In Military Service.
4 On leave in government war service.
THE SCHOOL OF MEDICINE

EVARTS AMBROSE GRAHAM .  Bixby Professor of Surgery and Head of the Department
A.B., Princeton University, 1904; M.D., Rush Medical College, 1907; M.S. (hon.), Yale University, 1928; LL.D., Central College, 1928; Sc.D., University of Cincinnati, 1929; Sc.D., Princeton University, 1929; Sc.D., Western Reserve University, 1931; Sc.D. (hon.), University of Pennsylvania, 1940; Sc.D. (hon.), University of Chicago, 1941.

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

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

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

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

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

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

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

JEAN VALEBEAN COOKE  ..  Professor of Pediatrics
A.B., West Virginia University, 1903; A.B., Yale University, 1904; M.D., Johns Hopkins University, 1906.

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

DAVID MCKENZIE RIOCH  ..  Professor of Neurology
A.B., Butler College, 1920; M.D., Johns Hopkins University, 1924.

ROBERT ALLAN MOORE  Edward Mallinckrodt Professor of Pathology and Head of the Department
B.A., Ohio State University, 1921; M.S., 1927; M.D., 1928; Ph.D., Western Reserve University, 1930.

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

THEODORE EDWIN WALSH  Professor of Otolaryngology and Head of the Department

WILLIAM BARRY WOOD, JR.  Busch Professor of Medicine and Head of the Department
A.B., Harvard University, 1932; M.D., Johns Hopkins University, 1936.

EDWIN FRANCIS GILDEA  ..  Professor of Psychiatry and Head of the Department of Neuropsychiatry
A.B., Colorado College, 1920; M.D., Harvard University, 1924.
ARThur Llewelyn Hughes . . . . Consulting Physicist
B.Sc., Liverpool University, 1906; M.Sc., 1907; B.A., Cambridge University, 1910; D.Sc., 1912.

JoHN Vincent Lawrence . . Director of University Clinics and Assistant Professor of Medicine
B.S., University of Chicago, 1917; M.D., Rush Medical College, 1924.

Borden Smith Veeder . . . . Professor of Clinical Pediatrics
M.D., University of Pennsylvania, 1907.

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

Major Gabriel Seelig . . Professor of Clinical Surgery
A.B., Harvard University, 1896; M.D., Columbia University, 1900.

William Ewing Shahan . . Professor of Clinical Ophthalmology
A.B., Washington University, 1901; M.D., 1904; A.M., 1912.

Frederick Joseph Taussig . . Professor of Clinical Obstetrics and Gynecology
A.B., Harvard University, 1893; M.D., St. Louis Medical College, 1903.

Malvern Bryan Clighton . . Professor of Clinical Surgery
M.D., University of Virginia, 1897.

Meyer Wiener . . . . Professor of Clinical Ophthalmology
M.D., Missouri Medical College, 1896.

John Albert Key . . . . Professor of Clinical Orthopedic Surgery
M.D., Johns Hopkins University, 1918.

Grandison Delaney Royston . . Professor of Clinical Obstetrics and Gynecology
M.D., Washington University, 1907.

Arthur Walter Proetz . . Professor of Clinical Otolaryngology
A.B., Washington University, 1910; M.D., 1912.

Dalton Keats Rose . . . . Professor of Clinical Genitourinary Surgery
M.D., Washington University, 1915.

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

Harry Webster Lyman . . . . Professor of Clinical Otolaryngology
M.D., St. Louis College of Physicians and Surgeons, 1895.

Harry Louis Alexander . . . . Professor of Clinical Medicine
A.B., Williams College, 1910; M.D., Columbia University, 1914.

Walter Edward Sullivan . . Visiting Professor of Anatomy
A.B., Bates College, 1907; A.M., Brown University, 1909; Ph.D., 1912.

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

Frank Richard Bradley . . Lecturer in Hospital Administration
M.D., Washington University, 1928.

1 January 1 to June 30, 1943.
THE SCHOOL OF MEDICINE

ASSOCIATE PROFESSORS

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

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

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

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

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

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

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

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

JOSEPH WILLIAM LARIMORE . . Associate Professor of Clinical Medicine
A.B., DePauw University, 1908; M.D., Washington University, 1913.

THEODORS C. HEMPELMANN . Associated Professor of Clinical Pediatrics
M.D., Washington University, 1908.

JAMES LEE O'LEYEY . . . Associate Professor of Neuroanatomy and Assistant Professor of Neurology
B.S., University of Chicago, 1921; Ph.D., 1923; M.D., 1931.

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

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

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

*JAMES BARRETT BROWN . . . Associate Professor of Clinical Surgery
M.D., Washington University, 1923.

HUGH MCCULLOCH . . . Associate Professor of Clinical Pediatrics
A.B., University of Arkansas, 1908; M.D., Johns Hopkins University, 1912.

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

MARTIN HAYWARD POST . . . Associate Professor of Clinical Ophthalmology
A.B., Amherst College, 1908; M.D., Johns Hopkins University, 1912.

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

*LEONARD THOMPSON FURLOW . . . Associate Professor of Clinical Neurological Surgery
B.S., Emory University, 1923; M.D., 1925.
**ROBERT LYSTER THORNTON .** Physicist in Charge of the Cyclotron of the Radiological Institute
B.S., McGill University, 1930; Ph.D., 1936.

**FRENCH KELLER HANSEL . . . .** Associate Professor of Clinical Otolaryngology
M.D., St. Louis University, 1918; M.S., University of Minnesota, 1923.

**EDWARD GRAFTON McGAVRAN . . .** Associate Professor of Public Health
A.B., Butler University, 1924; M.D., Harvard University, 1928; M.P.H., 1934.

**ARTHUR MAXWELL ALDEN . . . .** Associate Professor of Clinical Otolaryngology
A.B., University of Oklahoma, 1907; A.M., 1909; M.D., St. Louis University, 1915.

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

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

**CECIL MARVIN CHARLES . . . .** Associate Professor of Anatomy and Assistant in Clinical Medicine
A.B., University of Kentucky, 1926; A.M., 1927; Ph.D., Washington University, 1929; M.D., 1932.

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

**ASSISTANT PROFESSORS**

**ARTHUR OSCAR FISHER . . .** Assistant Professor of Clinical Surgery
A.B., University of Wisconsin, 1905; M.D., Johns Hopkins University, 1908.

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

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

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

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

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

**FREDERICK OSCAR SCHWARTZ . . .** Assistant Professor of Clinical Ophthalmology
M.D., Washington University, 1916.

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

**FRANK POWELL MCNALLEY . . .** Assistant Professor of Clinical Obstetrics and Gynecology
B.S., Washington University, 1915; M.D., 1917.
THE SCHOOL OF MEDICINE

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

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

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

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

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

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

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

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

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

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

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

BERNARD JOHN McMAHON. Assistant Professor of Clinical Otolaryngology
A.B., St. Louis University, 1913; M.D., 1917; M.Sc. (Med.), Graduate School of Medicine, University of Pennsylvania, 1926.

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

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

PHILIP LEONARD VARNEY. Assistant Professor of Bacteriology and Immunology and of Public Health
B.S., Oregon Agricultural College, 1928; M.S., Washington University, 1926; Ph.D., 1928.

DOROTHY WOLFF. Assistant Professor of Applied Anatomy in Otolaryngology
A.B., Smith College, 1918; A.M., University of Michigan, 1929; Ph.D., Washington University, 1933.

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

ROBERT JAMES CROSSEN. Assistant Professor of Clinical Obstetrics and Gynecology
A.B., Oberlin College, 1921; M.D., Washington University, 1925.
Julius Jensen . . . Assistant Professor of Clinical Medicine
M.R.C.S., England, 1922; L.R.C.P., University of London, 1923; Ph.D., University of Minnesota, 1929.

Rogers Deakin . . . Assistant Professor of Clinical Genitourinary Surgery
M.D., Washington University, 1922.

Cyril Mitchell MacBryde . Assistant Professor of Clinical Medicine
A.B., Washington University, 1926; M.D., Harvard University, 1930.

*Wendell Garrison Scott . Assistant Professor of Clinical Radiology
A.B., University of Colorado, 1923; M.D., Washington University, 1922.

*Val Beyer Satterfield . Assistant Professor of Clinical Psychiatry
B.S., Washington University, 1922; M.D., 1924.

Alfred D. Hershey . . . Assistant Professor of Bacteriology and Immunology
Ph.D., Michigan State College, 1934.

*Louis Leon Tureen . . Assistant Professor of Clinical Neurology
B.S., Washington University, 1925; M.D., 1927.

*Frederick Augustus Jostes . . . Assistant Professor of Clinical Orthopedic Surgery
B.S., Washington University, 1918; M.D., 1926.

George David Ketelkamp . Assistant Professor of Clinical Medicine
A.B., Central Wesleyan College, 1910; M.D., Washington University, 1914.

William Mahlon James . . . Assistant Professor of Clinical Ophthalmology
B.S., Drury College, 1923; M.D., Washington University, 1926.

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

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

*Hubert Beaufort Peugnet . . . Assistant Professor of Physiology
A.B., St. Louis University, 1924; M.D., 1930.

*Edgar Allan Blair . . . Assistant Professor of Physiology
A.B., Vanderbilt University, 1925; M.S., 1927; Ph.D., Washington University, 1933.

Harry Naylor Glick . Assistant Professor of Clinical Otolaryngology
A.B., Cornell University, 1916; M.D., St. Louis University, 1922.

Earl H. Perry . Assistant Professor of Military Science and Tactics
M.D., University of Pennsylvania (MC), 1903.

Hamilton Burrows Greaves Robinson . . . Associate in Pathology
D.D.S., University of Pennsylvania, 1934; M.S., University of Rochester, 1936.

Carl Reinard Wegner . Assistant Professor of Clinical Obstetrics and Gynecology
A.B., North Central College, 1922; M.D., University of Nebraska, 1926.

*Daniel Wilbur Myers . Assistant Professor of Clinical Medicine
A.B., University of Michigan, 1929; M.D., 1932.

*Samuel Russell Warson . . . Assistant Professor of Psychiatry
A.B., McGill University, 1930; M.D., 1934.
*Avery Peck Rowlette . . . Assistant Professor of Clinical Surgery
M.D., Washington University, 1929.

Arda Alden Green . Assistant Professor of Biological Chemistry and
Research Associate in Pharmacology
A.B., University of California, 1921; M.D., Johns Hopkins University, 1927.

*Lee De Cady . . . . . Assistant Professor of Clinical Medicine
A.B., University of Missouri, 1918; A.M., Washington University, 1921; M.D.,
1922.

Dudley Reeves Smith . Assistant Professor of Clinical Obstetrics and
Gynecology
M.D., Washington University, 1923.

Samuel David Soule . Assistant Professor of Clinical Obstetrics and
Gynecology
M.D., Washington University, 1928.

*A. Norman Arneson . Assistant Professor of Clinical Radiology and
of Clinical Obstetrics and Gynecology
B.S., Texas Christian University, 1924; M.D., Washington University, 1925.

*Franklin Edward Walton . Assistant Professor of Clinical Surgery
B.S., Shurtleff College, 1923; M.D., Washington University, 1927.

Marion Claire Morris . . . Assistant Professor of Bacteriology and
Immunology
A.B., Smith College, 1923; M.S., Washington University, 1931; Ph.D., 1935.

Melvin Andrew Roblee . Assistant Professor of Clinical Obstetrics
and Gynecology
B.S., Washington University, 1923; M.D., 1925.

Barrett Learned Taussig . Assistant Professor of Clinical Medicine
A.B., Harvard University, 1928; M.D., Washington University, 1932.

*Brian Brewer Blades . . . Assistant Professor of Clinical Surgery
A.B., University of Kansas, 1926; M.D., Washington University, 1928.

Russell John Blattner . . . Assistant Professor of Pediatrics
A.B., Washington University, 1928; M.D., 1933.

*Henry Gerard Schwartz . . . Assistant Professor of Clinical
Neurological Surgery
A.B., Princeton University, 1928; M.D., Johns Hopkins University, 1932.

*Robert Wilson Bartlett . Assistant Professor of Clinical Surgery
and Instructor in Anatomy
B.S., University of Michigan, 1926; M.D., 1929.

Louis T. Byars . . . . . Assistant Professor of Clinical Surgery
B.S., University of Arkansas, 1928; M.D., Washington University, 1932.

Lauren Vedder Ackerman . . . Assistant Professor of Pathology
A.B., Hamilton College, 1927; M.D., University of Rochester, 1932.

Irwin Levy . . . . . . . . . Assistant Professor of Clinical Neurology
A.B., Cornell University, 1927; M.D., St. Louis University, 1931; Med. Sci. D.,
Columbia University, 1933.

John Albion Saxton1 . . . Assistant Professor of Pathology
A.B., Yale University, 1929; M.D., Washington University, 1934.

Geraldine Lermit . . . . . Lecturer on Occupational Therapy
A.B., Wellesley College, 1906; Ph.M., University of Chicago, 1907.

Ruth Elizabeth Martin . . Dentist to the Department of Pediatrics
D.D.S., Washington University, 1923.

•Effective September 15, 1942.
RESEARCH ASSOCIATES

SAMUEL HOWARD BARTLEY
Research Associate in Biophysics and Psychology
B.S., Greenville College, 1923; A.M., University of Kansas, 1928; Ph.D., 1931.

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

VALENTINA SUNTZEFF
Research Associate in Cytology
M.D., Women's Medical Institute, Petrograd, Russia, 1917.

HERMAN MORITZ KALCKAR
Research Associate in Radiology and Instructor in Biological Chemistry
M.D., University of Copenhagen, 1939.

WILLIAM LOYAL SIMPSON
Research Associate in Cytology
S.B., University of Chicago, 1934; Ph.D., 1938.

WILLIAM CRAMER
Research Associate in Cytology

*THEODORE E. WEICHSELBAUM
Research Associate in Bacteriology

INSTRUCTORS

WALTER BAUMGARTEN
Instructor in Clinical Medicine
A.B., Johns Hopkins University, 1894; M.D., St. Louis Medical College, 1896.

JEROME EPSTEIN COOK
Instructor in Clinical Medicine
M.D., University of Chicago, 1905.

LLEWELLYN SALE
Instructor in Clinical Medicine
M.D., Washington University, 1907.

ADRIEN BLEYER
Instructor in Clinical Pediatrics
M.D., Missouri Medical College, 1899.

LOUIS HENRY HEMPELMANN
Instructor in Clinical Medicine
M.D., St. Louis Medical College, 1896.

WALTER FISCHEL
Instructor in Clinical Medicine
A.B., Harvard University, 1902; M.D., Washington University, 1906.

ADOLPH HENRY CONRAD
Instructor in Clinical Dermatology
M.D., St. Louis University, 1906.

FRANK DE VORE GORHAM
Instructor in Clinical Medicine
A.B., Indiana University, 1910; M.D., Washington University, 1912.

ADOLPH GEORGE SCHLOSSSTEIN
Instructor in Clinical Obstetrics and Gynecology
M.D., St. Louis Medical College, 1894.

CHARLES HERMANN EYERMANN
Instructor in Clinical Medicine
M.D., St. Louis University, 1911.

ARTHUR EDGAR STRAUSS
Instructor in Clinical Medicine
S.B., Harvard University, 1912; M.D., 1917.

PARK JERAULD WHITE
Instructor in Clinical Pediatrics
A.B., Harvard University, 1913; M.D., Columbia University, 1917.

SAMUEL BECKER GRANT
Instructor in Clinical Medicine
B.S., Washington University, 1918; M.D., 1920.

1 Resigned September 30, 1942.
PAUL JOHN ZENTAY. Instructor in Clinical Pediatrics and in Clinical Neurology
M.D., University of Kolozsvár, 1914.

PAUL EDWARD KUBITSCHEK. Instructor in Child Psychiatry and in Clinical Pediatrics
B.S., Creighton University, 1918; M.D., 1922; D.Sc., University of Pennsylvania, 1928.

WAYNE ARTHUR RUPF. Instructor in Clinical Pediatrics
A.B., University of Missouri, 1916; M.D., Washington University, 1918.

ALFRED GOLDMAN. Instructor in Clinical Medicine

HIRAM SHAW LIGGETT. Instructor in Clinical Medicine
M.D., Washington University, 1920.

CHARLES WILLIAM DUDEN. Instructor in Clinical Medicine
M.D., Washington University, 1926.

IRENE KOECHIG FREIBERG. Instructor in Biological Chemistry
A.B., Washington University, 1912; A.M., 1913.

JOSEPH FRANCIS BREDECK. Instructor in Clinical Medicine and Lecturer in Public Health Administration
A.B., Christian Brothers College, 1910; M.D., Washington University, 1914; D.P.H., University of Pennsylvania, 1917.

ANTHONY BIGELOW DAY. Instructor in Clinical Medicine
B.S., Harvard University, 1913; M.D., Washington University, 1919.

*HOWARD A. RUSK. Instructor in Clinical Medicine
A.B., University of Missouri, 1923; M.D., University of Pennsylvania, 1925.

ANNE MACGREGOR PERLEY. Instructor in Biological Chemistry in Pediatrics
A.B., Grinnell College, 1927; A.M., University of Nebraska, 1929.

OSCAR CHARLES ZINK. Instructor in Clinical Radiology
M.D., Washington University, 1921.

JOSEPH HOY SANFORD. Instructor in Clinical Genitourinary Surgery
M.D., Tulane Medical College, 1908.

OTTO JULIUS WILHELMI. Instructor in Clinical Genitourinary Surgery
B.S., Washington University, 1915; M.D., St. Louis University, 1917.

HENRY SPENCE BROOKES, JR. Instructor in Clinical Surgery
M.D., Washington University, 1917.

J. G. PROBSTKIN. Instructor in Clinical Surgery
M.D., Loyola University, 1917.

CARLISS MALONE STRoud. Instructor in Clinical Medicine
B.S., University of Mississippi, 1924; M.D., Washington University, 1926.

LOUIS F. AITKEN. Instructor in Clinical Medicine
B.S., University of Illinois, 1923; M.D., Washington University, 1927.

J. TED JEAN. Instructor in Clinical Medicine and Physician to Medical and Dental Students
A.B., Indiana University, 1924; M.D., Washington University, 1928.

LAWRENCE GOLDMAN. Instructor in Clinical Pediatrics
A.B., Washington University, 1924; M.D., 1928.

GROVER BERNARD LIESE. Instructor in Clinical Obstetrics and Gynecology
A.B., Rea-Gymnasium, Cassel, Germany, 1910; M.D., University of Heidelberg, 1918.
HOWARD ROMMEL HILDBETH  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Ophthalmology
M.D., Washington University, 1928.

CARL CONRAD BEISBARTH  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Ophthalmology
B.S., St. Louis University, 1924; M.D., 1926.

WILLIAM GOODWIN COLEMAN  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Dermatology
B.S., Washington University, 1917; M.D., 1919.

CLINTON WELSH LANE  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Dermatology
A.B., St. Mary's College (Kansas), 1916; M.D., St. Louis University, 1921.

*ROBERT VOTAW  .  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Otolaryngology
B.S., State University of Iowa, 1927; M.D., 1929.

MARTIN FEENEY ENGMAN, JR.  .  .  .  .  .  .  .  Instructor in Clinical Dermatology
M.D., Washington University, 1928.

HIROMU TSUCHIYA  .  .  .  Instructor in Bacteriology and Immunology and
in Public Health
A.B., University of Missouri, 1913; Sc.D., Johns Hopkins University, 1930.

*PAUL WILLIAM PREISLER  .  .  .  .  .  .  .  .  .  Instructor in Biological Chemistry
B.S., Washington University, 1923; M.S., 1925; Ph.D., 1927.

*LEON BROMBERG  .  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Medicine
A.B., Rice Institute, 1920; M.D., Vanderbilt University, 1924.

EDWIN HENRY ROLLEFSON  .  .  .  .  .  .  .  .  .  Instructor in Clinical Pediatrics
M.D., Washington University, 1919.

*MAX DEUTCH  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Pediatrics
M.D., Washington University, 1926.

FREDERICK AUGUST JACOBS  .  .  .  .  .  .  .  .  .  Instructor in Clinical Pediatrics
B.S., Washington University, 1927; M.D., 1928.

*LEO GOTTLIEB  .  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Medicine
A.B., University of Kansas, 1928; A.M., 1932; M.D., Washington University, 1932.

*STANLEY LEONARD HARRISON  .  .  .  .  .  .  .  Instructor in Clinical Pediatrics
B.S., Washington University, 1928; M.D., 1929.

JOSEPH CABELL JAUDON  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Pediatrics
A.B., Washington University, 1926; M.D., 1933.

KEVIN CHARLES MORRIN  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Obstetrics and
Gynecology
M.B., B.Ch., National University of Ireland, 1921.

*SOL LONDE  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Pediatrics
B.S., Washington University, 1925; M.D., 1927.

ADOLPH CHARLES LANGE  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Ophthalmology
B.S., Washington University, 1928; M.D., 1930.

JAY CRAWFORD  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Ophthalmology
A.B., Mifflintown Academy, 1902; B.S., Spring Garden Institute, 1905; M.D.,
Temple Medical College, 1906.

*B鲁CE DELOZIER KENAMORE  .  .  .  .  .  .  .  Instructor in Clinical Medicine
A.B., Washington University, 1933; M.D., 1935.

PAUL ALLEN WHEELER  .  .  .  .  .  .  .  .  .  .  .  .  Instructor in Pathology
A.B., University of Texas, 1925; M.D., Vanderbilt University, 1932.

H. RELTON MCCARROLL  .  .  .  .  .  .  .  .  .  .  Instructor in Clinical Orthopedic Surgery
A.B., Ouachita College, 1927; M.D., Washington University, 1931.
*MARSHALL G. SEIBEL ... Instructor in Clinical Medicine  
B.S., University of Missouri, 1927; M.D., University of Louisville, 1929.

THEODORE EUGENE SANDERS ... Instructor in Clinical Ophthalmology  
B.S., University of Nebraska, 1931; M.D., 1933.

*HENRY CLINE ALLEN ... Instructor in Pathology and Assistant in Clinical Medicine  
M.D., Washington University, 1933.

PAUL OONK HAGEMAN ... Instructor in Clinical Medicine  
A.B., Washington University, 1939; M.D., 1934.

CARL GAYLOR HARFORD ... Instructor in Bacteriology and Immunology and in Clinical Medicine  
A.B., Amherst College, 1928; M.D., Washington University, 1933.

RUTH KAHN ... Instructor in Dietetics  
B.S., University of Illinois, 1927.

*LILBURN CASPER BOEMER ... Instructor in Clinical Otolaryngology  
B.S., St. Louis University, 1923; M.D., 1925.

ALAN DUNCAN CALHOUN ... Instructor in Clinical Ophthalmology  
A.B., St. Louis University, 1929; M.D., 1933.

*JOSEPH GITT ... Instructor in Clinical Neurology  
M.D., Washington University, 1930.

EDWARD MASSIE ... Instructor in Clinical Medicine  
A.B., Washington University, 1931; M.D., 1935.

*JOSEPH CASTRO EDWARDS ... Instructor in Clinical Medicine  
A.B., University of Oklahoma, 1930; M.D., Harvard University, 1934.

ROBERT MALSEED BELL ... Instructor in Clinical Psychiatry  
M.D., St. Louis University, 1928.

*JUSTIN JOSEPH CORDONNIER ... Instructor in Clinical Genitourinary Surgery  
B.S., Washington University, 1926; M.D., 1928.

*ELSON BOWMAN HELWIG ... Instructor in Pathology  
B.S., Indiana University, 1930; M.D., 1932.

WILLIAM OGBURN RUSSELL ... Instructor in Pathology (Neuropathology)  
A.B., Stanford University, 1933; M.D., 1937.

*EUGENE MYRON BRICKER ... Instructor in Clinical Surgery  
M.D., Washington University, 1934.

SIMON EDWARD SULKIN ... Instructor in Bacteriology and Immunology  
B.S., Rhode Island State College, 1930; Ph.D., Washington University, 1939.

JOHN RUSSELL SMITH ... Instructor in Medicine  
A.B., University of Wisconsin, 1921; A.M., 1932; M.D., Washington University, 1934.

*HYMAN HERSCHEL FINGER ... Instructor in Clinical Psychiatry  
B.A., State University of Iowa, 1931; M.D., 1934.

PAUL MURPHY ... Instructor in Clinical Medicine  
M.D., St. Louis University, 1926.

ALEXANDER SUSS LANGSDORF, JR. ... Assistant Physicist to the Mallinckrodt Institute of Radiology  
A.B., Washington University, 1932; Ph.D., Massachusetts Institute of Technology, 1937.
*John Franklin Patton  Instructor in Clinical Genitourinary Surgery  
M.D., Washington University, 1928.

Keith Singleton Wilson  Instructor in Clinical Medicine  
A.B., Williams College, 1930; M.D., Washington University, 1934.

Raymond Francis Holden, Jr.  Instructor in Clinical Medicine  
B.S., Washington University, 1933; M.D., 1933.

*John Wickham Seddon  Instructor in Clinical Medicine  
Ph.B., Yale University, 1931; M.D., Washington University, 1935.

Karl Frederick Kornig  Instructor in Clinical Medicine  
B.S., University of Illinois, 1923; M.D., Washington University, 1931.

*Robert William Elliott  Instructor in Clinical Medicine  
A.B., Washington University, 1922; M.D., 1926.

Sydney Brown Maughis  Instructor in Clinical Psychiatry  
A.B., Westminster College, 1931; M.D., Washington University, 1935.

William Henry Meinberg, Jr.  Instructor in Clinical Ophthalmology  
B.S. in Medical Science, Washington University, 1932; M.D., 1932.

*Edward Smith  Instructor in Pathology  
B.S., Indiana University, 1934; M.D., 1938.

Heinz Haffner  Instructor in Clinical Surgery  
B.S., University of Arizona, 1931; M.D., Washington University, 1935.

Zola Katharine Cooper  Instructor in Pathology  
A.B., Washington University, 1925; M.S., 1926; Ph.D., 1929.

Louis Helmar Jorstad  Instructor in Clinical Surgery  
M.D., Washington University, 1924.

*Guerdan Hardy  Instructor in Clinical Otolaryngology  
M.D., Washington University, 1929.

Lee Wallace Dean, Jr.  Instructor in Clinical Otolaryngology  
B.S., Yale University, 1930; M.D., Washington University, 1933.

*Herbert M. Smith  Instructor in Clinical Otolaryngology  
M.D., St. Louis University, 1933.

*Robert W. Evans  Instructor in Anatomy  
B.S., Virginia Military Institute, 1935; M.D., University of Virginia, 1939.

*Samuel P. Harrison  Instructor in Surgery  
A.B., Princeton University, 1931; M.D., Cornell University, 1936.

Ben Harlan Senturia  Instructor in Clinical Otolaryngology  
A.B., Washington University, 1931; M.D., 1935.

Henry Lewis Barnett  Instructor in Pediatrics  

*John Ray Powers  Instructor in Clinical Pediatrics  
M.D., Louisiana State University, 1937.

William Fuller Barnfield  Instructor in Pathology  
D.D.S., Washington University, 1939.

Louis Henry Hempelmann, Jr.  Instructor in Radiology  
A.B., Washington University, 1934; M.D., 1938.

Myron Woodward Davis  Instructor in Clinical Obstetrics and Gynecology  
M.D., Washington University, 1925.
FRANZ JOSEPH ARZT . Instructor in Clinical Obstetrics and Gynecology  
M.D., Washington University, 1926.

EDWARD LAWRENCE KEYES, JR. . . . . Instructor in Clinical Surgery  
B.S., Princeton University, 1921; M.D., Cornell University, 1926.

WILLARD CALVIN SCRIVNER . . . . Instructor in Clinical Obstetrics and Gynecology  
B.S., Washington University, 1928; M.D., 1930.

JOHN B. O'NEILL . . . Instructor in Clinical Obstetrics and Gynecology  
M.D., St. Louis University, 1927.

*GEORGE J. L. WULFF, JR. . . . . Instructor in Clinical Obstetrics and Gynecology  
A.B., Washington University, 1929; M.D., 1933.

*HELMAN CHAIM WASSERMAN . Instructor in Clinical Obstetrics and Gynecology  
A.B., Johns Hopkins University, 1928; M.D., Washington University, 1932.

*ARTHUR ROBERT BORTNICK . . . Instructor in Clinical Obstetrics and Gynecology  
M.D., Washington University, 1935.

ORA JAMES GIBSON . Instructor in Clinical Obstetrics and Gynecology  
A.B., Stanford University, 1939; A.M., 1930; M.D., Washington University, 1933.

DOROTHY JEANETTE JONES . . . . Instructor in Clinical Pediatrics  
A.B., Oberlin College, 1930; M.D., Washington University, 1934.

CARL AUGUST WATTENBERG . . . . Instructor in Clinical Genitourinary  
A.B., University of Kansas, 1934; M.D., 1937.

STANLEY MILTON LEYDIG . . . . Instructor in Anatomy and Assistant in Clinical Orthopedic Surgery  
A.B., State University of Montana, 1930; M.D., Washington University, 1934.

MALCOLM M. COOK . . . . . . . . Instructor in Pediatrics  
B.S., Emory University, 1930; M.D., 1933.

JOHN ROBERT LIONBERGER, JR. . . . . Instructor in Radiology  
A.B., Washington University, 1934; M.D., 1938.

*DAVISON C. ROTHMAN . Instructor in Clinical Obstetrics and Gynecology  

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

IRVING J. GOODOF . . . . . . . . Instructor in Pathology  
A.B., Harvard University, 1936; M.D., Boston University, 1940.

LEO J. WADE . . . . . . . . . . Instructor in Medicine  
A.B., Washington University, 1938; M.D., 1938.

FRANCIS EDMUND HUNTER . . . . . . . . Instructor in Pharmacology  
B.S., Mount Union College, 1938; Ph.D., University of Rochester, 1941.

SIDNEY COLOWICK . Instructor in Biological Chemistry and Research Assistant in Pharmacology  
B.S., Washington University, 1936; M.S., 1939; Ph.D., 1942.

EDGAR SMITH HILL . . . . . . . . Instructor in Biological Chemistry  
B.S., University of Kentucky, 1927; M.S., University of Cincinnati, 1929; Ph.D., 1931.
JOHN HOWARD VAN DYKE . . . . . . Instructor in Anatomy
A.B., Colgate University, 1935; M.S., University of New Hampshire, 1937; Ph.D., Cornell University, 1941.

SHEPPARD MATTHEW WALKER . . . . . . Instructor in Physiology
B.S., Western Kentucky State Teachers College, 1932; A.M., 1933; Ph.D., Louisiana State University, 1941.

RAY DAVID WILLIAMS . . . . . . Instructor in Clinical Medicine
A.B., Hampden-Sydney College, 1930; M.S., Emory University, 1931; M.D., Washington University, 1937.

CHRISTOPHER CARRUTHERS . . . . . . Instructor in Anatomy
B.S., Syracuse University, 1933; M.S., 1935; Ph.D., State University of Iowa, 1938.

RALPH C. POLLOCK, JR. . . . . . . Instructor in Medicine
A.B., University of California at Los Angeles, 1936; M.D., Stanford University, 1940.

MARGARET CRANE-LILLLIE GILDEA . . . . . . Instructor in Psychiatry
B.S., University of Chicago, 1928; M.D., Yale University, 1936.

KENNETH FRANKLIN GLAZE . . . . . . Instructor in Clinical Medicine
A.B., University of Missouri, 1917; B.S., St. Louis University, 1923; M.D., 1925.

GEORGE MANTING . . . . . . Instructor in Clinical Dermatology
M.D., University of Michigan, 1915.

HERMAN JOHN ROSENFIELD . . . . . . Instructor in Clinical Medicine
M.D., University of Munich (Germany), 1923.

ROBERT A. HARRIS . . . . . . Dentist to the Department of Pediatrics

LECTURERS

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

ROY EARL MASON . . . . . . Lecturer in Clinical Ophthalmology
M.D., St. Louis University, 1905.

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

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

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

LEONARD MARVIN BOARD . . . . . . Lecturer in Public Health
B.S. C.E., West Virginia University, 1931.

ROSEMARY PHILLIPS . . . . . . Lecturer in Public Health Nursing
R. N., St. Louis City Hospital, 1920; C.P.H., Washington University, 1935; B.S., 1936.

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

ROBERTA E. FOOTE . . . . . . Lecturer in Public Health
A.B., Albion College, 1928; R.N., University of Michigan, 1931; M.A., Columbia University, 1933.
ASSISTANTS

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

WILLIAM LUDWIG HANSON . . Assistant in Clinical Otolaryngology
M.D., Washington University, 1913.

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

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

FRANCIS JOHN CANEA . . . . Assistant in Clinical Obstetrics and Gynecology
M.D., Washington University, 1922.

HELEN GAGE . . . . Assistant in Clinical Otolaryngology
B.S., University of Michigan, 1916; M.D., 1918.

BARBARA STANDISH KENDALL . . Assistant in Medical Psychology
A.B., Radcliffe College, 1913; Ed.M., Harvard University, 1923.

BERTRAND YOUNKER GLASSBERG . . Assistant in Clinical Medicine
B.S., Washington University, 1923; M.D., 1925.

ALLEN B. POTTER . . . . Assistant in Clinical Otolaryngology
A.B., William Jewell College, 1916; M.D., St. Louis University, 1924.

GRACE MEHTEN . . . . Assistant in Applied Bacteriology in Medicine
A.B., University of Kansas, 1924; M.A., 1925.

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

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

JOSEPH ALOYSIUS BAUER . . Assistant in Clinical Pediatrics
M.D., Washington University, 1928.

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

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

ALBERT CHESTERFIELD STUTZMAN . . . . Assistant in Clinical Otolaryngology
B.S., Roanoke College, 1927; M.D., University of Virginia, 1931.

FRANCES H. STEWART . Assistant in Clinical Obstetrics and Gynecology
M.D., Washington University, 1927.

EDWARD WYATT CANNADY . . . . Assistant in Clinical Medicine
A.B., University of Wisconsin, 1927; M.D., 1931.

DAVID MILLER SKILLING, JR. . . Assistant in Clinical Medicine
B.S., Washington and Jefferson College, 1923; M.D., Washington University, 1925.

HARRY L. THIEME . . . . Assistant in Clinical Orthopedic Surgery
B.S., St. Louis University, 1922; M.D., 1924.

KURT MANSBACHER . . . . Assistant in Clinical Medicine
M.D., Friedrich-Wilhelms University, 1919.
 Leslie Endicott Patton .... Assistant in Clinical Obstetrics and Gynecology
B.S., St. Louis University, 1921; M.D., 1924.

*Paul Franklin Max .... Assistant in Clinical Obstetrics and Gynecology
B.S., Washington University, 1932; M.D., 1932.

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

*Edmund Bennett Alvis .... Assistant in Clinical Ophthalmology
M.D., Washington University, 1934.

Morris Moore .... Mycologist to the Department of Dermatology
B.S., Boston University, 1928; A.M., Harvard University, 1929; Ph.D., Washington University, 1933.

Alvah Gerrit Heideman .... Assistant in Clinical Surgery
M.D., Washington University, 1926.

*Harry David Rosenbaum .... Assistant in Clinical Ophthalmology
M.D., Washington University, 1934.

Harold Scheff .... Assistant in Clinical Medicine
M.D., University of Toronto, 1931.

William Thomas Kimlin Bryan .... Assistant in Clinical Otolaryngology
A.B., Washington University, 1929; M.D., 1933.

James Howard Bryan .... Assistant in Clinical Ophthalmology
A.B., Washington University, 1932; M.D., 1935.

John Linscott Horner .... Assistant in Clinical Medicine
A.B., Washington University, 1932; M.D., 1936.

Carl Edward Lischer .... Assistant in Surgery
A.B., University of California, 1933; M.D., Washington University, 1937.

Olga Bierbaum .... Assistant in Hematology in Medicine
B.S., in Ed., Ohio State University 1930.

HeLEN Margaret Aff .... Assistant in Clinical Pediatrics
B.S., Washington University, 1934; M.D., 1934.

Harry Ewing Wachter .... Assistant in Clinical Pediatrics
A.B., Washington University, 1929; M.D., 1933.

*Oscar Perry Hampton, Jr. Assistant in Clinical Orthopedic Surgery
M.D., University of Tennessee, 1928.

*Maurice Bernard Roche Assistant in Clinical Orthopedic Surgery
M.D., St. Louis University, 1933.

*Harry Agress Assistant in Clinical Medicine and in Pathology
B.S., Washington University, 1932; M.D., 1932.

*William R. Arrowsmith Assistant in Clinical Medicine
B.S., Muskingum College, 1930; M.D., Ohio State University, 1938.

*Wilson Gordon Brown Assistant in Pathology
A.B., William Jewell College, 1935; M.D., Washington University, 1939.

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

*Robert Wilson Kelley Assistant in Clinical Medicine
A.B., Southwestern College, 1932; M.D., Washington University, 1936.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Education Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raymond Ray Lanier, Jr.</td>
<td>Assistant in Anatomy</td>
<td>B.A., University of Richmond, 1935; Ph.D., Washington University, 1939.</td>
</tr>
<tr>
<td>*Bernard Schwartzman</td>
<td>Assistant in Clinical Pediatrics</td>
<td>A.B., Washington University, 1931; M.D., 1935.</td>
</tr>
<tr>
<td>*Benjamin Hynes Charles</td>
<td>Assistant in Clinical Medicine</td>
<td>M.B., Ch.B., University of Edinburgh, 1934.</td>
</tr>
<tr>
<td>Raymond R. Lanier, Jr.</td>
<td>Assistant in Anatomy</td>
<td>B.A., University of Richmond, 1935; Ph.D., Washington University, 1939.</td>
</tr>
<tr>
<td>*Bernard Schwartzman</td>
<td>Assistant in Clinical Pediatrics</td>
<td>A.B., Washington University, 1931; M.D., 1935.</td>
</tr>
<tr>
<td>*Benjamin Hynes Charles</td>
<td>Assistant in Clinical Medicine</td>
<td>M.B., Ch.B., University of Edinburgh, 1934.</td>
</tr>
<tr>
<td>HERMAN HUTTO</td>
<td>Assistant in Clinical Obstetrics and Gynecology</td>
<td>A.B., University of Alabama, 1932; M.D., Washington University, 1935.</td>
</tr>
<tr>
<td>Mary Lucy Miller</td>
<td>Research Assistant in Pathology</td>
<td>A.B., Syracuse University, 1927; M.A., Columbia University, 1929; Ph.D., 1934.</td>
</tr>
<tr>
<td>*James William Bagby</td>
<td>Assistant in Clinical Dermatology</td>
<td>A.B., University of Missouri, 1930; B.S., 1931; M.D., Washington University, 1933.</td>
</tr>
<tr>
<td>*Morris David Marcus</td>
<td>Assistant in Clinical Dermatology</td>
<td>M.D., Washington University, 1934.</td>
</tr>
<tr>
<td>Carl Jacob Althaus</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>M.D., St. Louis University, 1917.</td>
</tr>
<tr>
<td>Harry Cutler</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>M.D., St. Louis University, 1930.</td>
</tr>
<tr>
<td>Harold Henry Feller</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>M.D., Washington University, 1926.</td>
</tr>
<tr>
<td>Jules H. Kopp</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>M.D., University of Arkansas, 1931.</td>
</tr>
<tr>
<td>*Burchard Simpson Pruett</td>
<td>Assistant in Clinical Surgery</td>
<td>B.S., Washington University, 1929; M.D., 1929.</td>
</tr>
<tr>
<td>Frank McDowell</td>
<td>Assistant in Clinical Surgery</td>
<td>A.B., Drury College, 1932; M.D., Washington University, 1936.</td>
</tr>
<tr>
<td>Carl J. Heifetz</td>
<td>Assistant in Clinical Surgery</td>
<td>B.S., Washington University, 1925; M.D., 1929.</td>
</tr>
<tr>
<td>*Bruce Carson Martin</td>
<td>Assistant in Clinical Surgery</td>
<td>M.D., Washington University, 1935.</td>
</tr>
<tr>
<td>*Loren Francis Blaney</td>
<td>Assistant in Clinical Medicine</td>
<td>A.B., Washington University, 1934; M.D., 1938.</td>
</tr>
<tr>
<td>Elma Knost Doubly</td>
<td>Assistant in Immunology in Medicine</td>
<td>A.B., University of Kansas, 1932.</td>
</tr>
<tr>
<td>Andy Hall, Jr.</td>
<td>Assistant in Clinical Genitourinary Surgery</td>
<td>M.D., Washington University, 1926.</td>
</tr>
<tr>
<td>George Kalmanson</td>
<td>Assistant in Bacteriology and Immunology</td>
<td>B.S., College of the City of New York, 1934; M.S., University of Illinois, 1936; Ph.D., Washington University, 1939.</td>
</tr>
<tr>
<td>Alfred McKee Large</td>
<td>Assistant in Surgery</td>
<td>A.B., University of Toronto, 1933; M.D., 1936.</td>
</tr>
<tr>
<td>Virginia Minnich</td>
<td>Assistant in Hematology in Medicine</td>
<td>B.S., Ohio State University, 1937; M.S., Iowa State College, 1938.</td>
</tr>
<tr>
<td>Edward Humphrey Reinhard</td>
<td>Assistant in Medicine</td>
<td>A.B., Washington University, 1935; M.D., 1939.</td>
</tr>
</tbody>
</table>
BULLETIN OF WASHINGTON UNIVERSITY

HAROLD K. ROBERTS . . . . . . . Assistant in Medicine
A.B., Ohio State University, 1935; M.D., 1939.

*JOHN HARRISON WEDIG . . . . Assistant in Clinical Medicine
M.D., Washington University, 1938.

WILLARD TERRILL BARNHART . Assistant in Clinical Genitourinary Surgery
A.B., University of Missouri, 1930; B.S., 1931; M.D., Washington University, 1933.

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

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

*PHILIP SHANNON MOUNTJOY . . Assistant in Clinical Otolaryngology
A.B., Washington University, 1933; M.D., 1937.

*ALFRED FLEISHMAN . . . . Assistant in Clinical Medicine
B.S., Washington University, 1936; M.D., 1935.

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

*VIRGIL OTTO FISH . . . . Assistant in Clinical Surgery
M.D., Washington University, 1930.

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

**WILLIAM KINDRED WILSON . . Assistant in Clinical Surgery
A.B., University of Alabama, 1932; M.D., Washington University, 1935.

*PAUL TUPPER HARTMAN . . Assistant in Clinical Psychiatry
A.B., Washington University, 1934; M.D., 1938.

*HAROLD E. FREEDMAN . . . . Assistant in Clinical Medicine
Ph.B., Yale University, 1929; M.D., Washington University, 1933.

*THEODOR ENGELMANN KIRCHER, JR. Assistant in Clinical Medicine
A.B., Yale University, 1933; M.D., Washington University, 1937.

*BART NEWTON WHITE . . . . Assistant in Medicine
B.S., Duke University, 1938; M.D., Vanderbilt University, 1939.

*HUBERT LEE ALLEN . Assistant in Clinical Obstetrics and Gynecology
A.B., University of Kansas, 1932; M.D., Tulane University, 1936.

*VILRAY PAPIN BLAIR, JR. Assistant in Surgery
M.D., Washington University, 1939.

HAROLD METCALFE CLARKE . . . Assistant in Surgery
M.D., University of Rochester, 1938.

*RUSSELL J. CRIDER . . . . Assistant in Surgery
M.D., Washington University, 1940.

CHARLES LEONARD ECKERT . . . Assistant in Surgery
M.D., Washington University, 1939.

CARL GOETSCHE . . . . . . . Assistant in Obstetrics and Gynecology
B.S., University of Chicago, 1933; M.D., University of Rochester, 1937.

*EDGAR HAYDEN KEYS, JR. . Assistant in Obstetrics and Gynecology
A.B., Harvard University, 1925; M.D., Washington University, 1939.
*Edward Harry Lyman . . . Assistant in Clinical Otolaryngology
B.S., Washington University, 1927; M.D., 1937.

*John Edward Miksieck . . . Assistant in Clinical Psychiatry
A.B., Washington University, 1933; B.S., 1937; M.D., 1937.

*John James Modlin . . . . Assistant in Surgery
B.S., University of Nebraska, 1934; M.D., 1938.

*George E. Rouihac . . . . Assistant in Surgery
M.D., Vanderbilt University, 1939.

Alfred Seymour Schwartz . . . Assistant in Clinical Pediatrics
M.D., Johns Hopkins University, 1936.

Richard Gordon Scobee . . . Assistant in Ophthalmology
A.B., Rice Institute, 1935; M.D., University of Texas, 1939.

*William Charles Stahl . . . Assistant in Pathology
B.S., Virginia Polytechnic Institute, 1931; M.S., Ohio State University, 1932;
M.D., Washington University, 1941.

*Sydney Thurman Wright . . . Assistant in Medicine
A.B., Fresno State College, 1935; B.S., Washington University, 1940; M.D.,
1946.

Ralph Benson Woolf* . . . . Assistant in Obstetrics and Gynecology
B.S., Massachusetts Institute of Technology, 1935; M.D., University of Rochester,
1939.

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

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

Edith C. Robinson . . . . Assistant in Clinical Pediatrics
M.D., Johns Hopkins University, 1932.

Marshall W. Kelly . . . . Assistant in Clinical Surgery
M.D., Washington University, 1936.

Michael Meyer Karl . . . . Assistant in Clinical Medicine
M.D., University of Louisville, 1938.

*Robert Ralph Anschuetz . . . Assistant in Pathology
M.D., Washington University, 1940.

*Robert Jerome Cook . . . . Assistant in Medicine
A.B., Washington University, 1937; M.D., 1941.

*Francis Richard Crouch . . . Assistant in Medicine
A.B., University of Missouri, 1932; M.D., Washington University, 1936.

*Glen Parnell Kallenbach . . . Assistant in Medicine
A.B., University of Missouri, 1938; B.S., In Med., 1938; M.D., Washington University,
1940.

*David Nafe Kerr . . . . Assistant in Neurology
A.B., University of Colorado, 1936; M.D., Washington University, 1941.

*Henry Peter Latituada . . Assistant in Obstetrics and Gynecology
M.D., University of Illinois, 1938.

L. Wayland Macfarlane . . . Assistant in Medicine
A.B., University of Utah, 1936; M.D., Cornell University, 1940.

1 Resigned July 9, 1942.
*JOE MARION PARKER .................................................. Assistant in Surgery
A.B., University of Illinois, 1930; M.S., 1932; M.D., Washington University, 1938.

*HENRY SCHWARZ II .................................................. Assistant in Surgery
B.S., in Med. Sci., Washington University, 1941; M.D., 1941.

*WILLIAM WOODROW STANERO ..................................... Assistant in Medicine
M.D., Washington University, 1938.

*HAROLD CUTLER ..................................................... Assistant in Otolaryngology
M.D., Tufts College, 1937.

PAUL DUNLAP FLEMING ............................................. Assistant in Clinical Medicine
M.D., Washington University, 1936.

*ARTHUR CHARLES DARROW, JR. .................................... Assistant in Clinical Medicine
A.B., Denison University, 1932; M.D., Washington University, 1938.

*ROBERT DEAN MATTIS .............................................. Assistant in Clinical Ophthalmology
B.S., St. Louis University, 1935; M.D., 1937.

WARREN B. MILLS .................................................... Assistant in Physiology
B.S. in Med. Sci., Washington University, 1941; M.D., 1942.

JOHN THOMAS AKIN, JR ............................................. Assistant in Surgery
M.D., Emory University, 1940.

WILLIAM MORRIS ANDERSON ....................................... Assistant in Pathology
B.S., College of William and Mary, 1938; M.D., Washington University, 1942.

PARKER REYNOLDS BEAMER ........................................ Assistant in Pathology
A.B., University of Illinois, 1935; M.S., 1937; Ph.D., 1940.

BARBARA MAE BINKLEY ............................................. Assistant in Pathology
B.A., Vanderbilt University, 1939; M.D., 1942.

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

DONALD STEWART BOTTOM ......................................... Assistant in Radiology
A.B., Washington University, 1932; M.D., 1940.

ARTHUR CHARLES BROOKS .......................................... Assistant in Clinical Medicine
B.S., Washington University, 1917; M.D., 1919.

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

JOHN HENRY DOVAL ................................................ Assistant in Pediatrics
A.B., University of California, 1935; M.D., 1939.

ARTHUR THOMAS JOHN ESSLINGER ...................... Assistant in Obstetrics and Gynecology
M.D., Washington University, 1940.

GILBERT BURNETT FORBES ......................................... Assistant in Pediatrics
A.B., University of Rochester, 1936; M.D. 1940.

MINOT PACKER FRYER .............................................. Assistant in Surgery
A.B., Brown University, 1938; M.D., Johns Hopkins University, 1940.

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

1July 1 to December 15, 1942.
1July 1 to December 31, 1942.
JAMES HAROLD GROWDON  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Surgery  
M.D., Washington University, 1940.  
*WILLIAM DAVIS HAWKER  .  .  .  Assistant in Clinical Obstetrics and Gynecology  
B.S., Shurtleff College, 1933; M.D., Washington University, 1938.  
EDWIN KEEBS  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Biological Chemistry  
A.B., University of Illinois, 1940.  
*ALBERT INGRAM LANSING  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Anatomy  
A.B., University of Pennsylvania, 1937; Ph.D., Indiana University, 1941.  
FRANCES MARSHALL LOVE  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Pediatrics  
A.B., Rice Institute, 1937; M.D., Washington University, 1942.  
JOHN HENRY MAYE, JR.  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Surgery  
M.D., Cornell University, 1939.  
WALTER MAYNE  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Clinical Surgery  
M.D., Rush Medical College, 1937.  
BENJAMIN MILDER  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Ophthalmology  
M.D., Washington University, 1939.  
GORDON FAIBLE MOORE  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Surgery  
B.S., Wilmington College, 1930; M.S., Ohio State University, 1932; M.D., Washington University, 1940.  
JACKSON COIL NEAVLES  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Pathology  
A.B., Washington University, 1938; M.D., 1942.  
PAUL ELLIS NIELSON  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Anatomy  
A.B., University of Utah, 1936; M.A., 1938; Ph.D., University of Wisconsin, 1941.  
*WILLIAM ROBERTSON OAKES  .  .  .  .  .  .  .  Assistant in Surgery  
M.D., Yale University, 1940.  
G. O'NEIL PROUD  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Otolaryngology  
A.B., University of Missouri, 1935; M.D., Washington University, 1938.  
EDWIN NORRIS ROBERTSON1  .  .  .  .  .  .  .  .  .  .  Assistant in Ophthalmology  
A.B., University of Kansas, 1933; M.D., Washington University, 1937.  
DAVID BERNARD ROSEHILL  .  .  .  .  .  Assistant in Clinical Ophthalmology  
M.D., University of Toronto, 1935.  
HAROLD PHILMORE ROTH  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Medicine  
A.B., Western Reserve University, 1935; M.D., 1939.  
ROBERT KILLIAN ROYCE  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Anatomy  
B.S., University of Mississippi, 1939; M.D., Washington University, 1942.  
SIMON RUSSI  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Pathology  
M.D., Royal University of Modena (Italy), 1936.  
GEORGE WILBUR SALMON  .  .  .  .  .  .  .  .  .  .  .  Assistant in Pediatrics  
M.D., University of Texas, 1939.  
BENJAMIN SMITH SKINNER  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Pediatrics  
B.B. in Med., University of North Carolina, 1937; M.D., Washington University, 1940.  
SIDNEY A. SOBIN  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Assistant in Medicine  
B.S., University of Michigan, 1935; M.A., 1936; M.D., 1941.  
ROBERT EUGENE STOWELL  .  .  .  .  .  .  .  .  .  .  .  Assistant in Pathology  
A.B., Stanford University, 1936; M.D., 1941.  

1 July 1 to December 31, 1942.
EARL WILBUR SUTHERLAND, JR. . . . Assistant in Pharmacology
B.S., Washburn College, 1937; M.D., Washington University, 1942.

VIRGIL AUDREY TOLLAND . . . Assistant in Ophthalmology
B.S., Creighton University, 1934; M.D., 1938.

ANNE CARLTON TOMPKINS . . . . Assistant in Medicine
B.S., Union University, 1938; M.D., Washington University, 1941.

JULIUS WALKER VIEAUTX . Assistant in Obstetrics and Gynecology
B.S., Northwestern University, 1931; M.D., Washington University, 1935.

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

VIRGINIA SINGLETON LANIER1 . . . Assistant in Pediatrics
B.S., Western Kentucky State Teachers College, 1937; A.B., 1938; M.D.,
Washington University, 1941.

CHARLES EDWARD GILLILAND2 . . Assistant in Clinical Medicine
B.S., University of Texas, 1917; M.D., University of Kansas, 1911.

SAMIcookies AND RESEARCH ASSISTANTS

SAMUEL J. HAYWARD Research Assistant in Obstetrics and Gynecology

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

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

THOMAS HANNAHAN BURFORD . . Fellow in Chest Surgery
A.B., University of Missouri, 1931; B.S., 1933; M.D., Yale University, 1936.

EDMUND ANTON SMOLIK . . . Fellow in Neurological Surgery
A.B., John Carroll University, 1932; M.D., Western Reserve University, 1936;
M.S., University of Louisville, 1940.

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

HERMON AGUILAR1 . Fellow and Research Assistant in Chest Surgery
M.D., University of Buenos Aires, 1929.

D. FRITZ LIEBEN2 . Research Fellow in Applied Biological Chemistry in
Surgery
Ph.D., University of Vienna, 1914.

ROBERT G. LOEFFEL3 . . . Research Assistant in Pharmacology
B.S.M.E., Washington University, 1929.

SAUL ALLEN MACKLER . . . . Fellow in Chest Surgery
B.S., Columbia University, 1938; M.D., University of Chicago, 1937.

FLORENCE MARY HEYS . . Research Assistant in Pediatrics
A.B., Washington University, 1924; M.S., 1926; Ph.D., 1930.

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

1 Effective September 15, 1942.
2 Effective October 7, 1942.
3 July 1 to August 31, 1942.
4 July 1, 1942 to March 31, 1943.
5 Resigned October 31, 1942.
MARIO BESO PIANELLO . . Pan-American Union Visiting Fellow in Chest Surgery
M.D., Litoral University (Argentina), 1937.

J. KARL POPPE . . . . . . Fellow in Chest Surgery
A.B., Hamilton College, 1933; M.D., Washington University, 1937.

YING-KAI WU . . . . . . Fellow in Chest Surgery
M.D., Mukden Medical College (China), 1933.

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

CHARLOTTE MCLEOD1 . . . . Research Fellow in Medicine
B.S., University of Miami, 1936; D.Sc., Johns Hopkins University, 1939.

1 Effective September 1, 1942.
OFFICERS AND COMMITTEES OF THE FACULTY OF THE
SCHOOL OF MEDICINE

EXECUTIVE FACULTY

GEORGE REEVES THROOP, Bridge Chancellor
PHILIP A. SHAFFER, Dean

JOSEPH ERLANGER
EVARTS A. GRAHAM
SHERWOOD MOORE
EDMUND V. COWDRY
JACQUES J. BRONFENBRENNER
CARL F. CORI
LAWRENCE T. POST
JOHN V. LAWRENCE

ALEXIS F. HARTMANN
DAVID McK. RIOCH
ROBERT A. MOORE
WILLARD M. ALLEN
THEODORE E. WALSH
W. BARRY WOOD
EDWIN F. GILDEA
FRANK R. BRADLEY

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. Alexander, Cowdry, R. Moore, Sachs, Mr. Parker.

LIBRARY
Dr. Cori (Chairman), Drs. Allen, Elman, C. Moore, R. Moore.

JOINT MEDICAL BOARD
Dr. Bradley (Chairman), Drs. Wood, W. Allen, Graham, Hartmann, Lawrence, R. Moore, S. Moore, Post, Rioch, Walsh, Gildea, Miss Clai-borne, Mrs. Keith, Miss Knapp, Miss Taylor.

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

MCMILLAN HOSPITAL AND OSCAR JOHNSON INSTITUTE
Dr. Shaffer (Chairman), Drs. Post, Walsh, Wood, Gildea.

ADMISSIONS AND SCHOLARSHIPS
Dr. Shaffer (Chairman), Drs. Jacobsen, Mr. Parker.

PROMOTIONS
Dr. R. Moore (Chairman), Drs. Cowdry, Hartmann, Rioch, Jacobsen, Mr. Parker (Secretary).

ST. LOUIS CITY HOSPITALS
Dr. Hartmann (Chairman), Drs. Allen, Graham, Post, Rioch, Walsh, Wood, Gildea.

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

STUDENT HEALTH
Dr. Lawrence (Chairman), Drs. Bronfenbrenner, Everhardt, Jean, Jacobsen, Dean Lischer (School of Dentistry).

1 The Dean is ex officio a member of all standing committees.
2 The Joint Medical Board represents a fusion of and replaces the separate Faculty Committees on the Barnes Hospital, the Children's Hospital, the Maternity Hospital, the Clinics, and the Department of Social Service.
THE SCHOOL OF MEDICINE

OTHER OFFICERS OF THE SCHOOL OF MEDICINE

J. TED JEAN, M.D. . . . Physician to Medical and Dental Students
ELLA B. LAWRENCE1 . . . . . . . . . . . Librarian (School of Medicine)
MAUDE McFARLAND HENNESSEY
Assistant Librarian (School of Medicine)
HELEN KAISER . . . Assistant Registrar (School of Medicine)
LOUISE JACOBY, A.B. . . . Secretary to the Dean

BUSINESS OFFICERS OF THE UNIVERSITY

JOSEPH HENRY ZUMBALEN, LL.B. . . . Secretary to the Corporation
THOMAS EDWARD BLACKWELL, Ph.B., M.S., J.D. . . . Treasurer
JOHN HENRY ERNEST, M.S., B.A. . . . . Comptroller
FRANZ ALFRED BERGER, B.S., M.E. . . . . Supervising Engineer
DONALD MORRISON . . . . Superintendent, Buildings and Grounds
JAMES JOHNSTONE RITTERSKAMP, Jr., B.S., B.A., LL.B.
Purchasing Agent and Manager, The University Stores

OTHER OFFICERS OF THE UNIVERSITY

OLIVER FILLEY RICHARDS, B.S. . . . . Secretary of the University
OSCAR CARL ORMAN, B.A. IN L.S., LL.B. . . . . Librarian
FRANK HENRY EWERHARDT, M.D.
Director of Physical Education and University Health Service
GEORGE MATTHEW PARK, M.D. . . . . Campus Physician
E. KENDALL HARRISON, A.B.2 . . . . . . . Alumni Representative,
Head, Appointments and Employment Bureau, Director, News Bureau
DANA OLAF JENSEN, A.B. . . . Acting Alumni Representative
JAMES NATHANIEL McCLURE, A.B., M.B.A. . Director of News Bureau

McMILLAN HOSPITAL AND OSCAR JOHNSON INSTITUTE

MRS. HORTON WATKINS . . . . . . . . President
DR. FREDERICK E. WOODRUFF . . . . Vice-President
MR. W. BAHLMANN PARKER . . . . Secretary to the Board

DR. MALVERN B. CLOPTON
MRS. HENRY ELLIOT
MR. GEORGE W. SPEARL
MR. ERNEST W. STIX

MR. JAMES LEE JOHNSON
MRS. OSCAR JOHNSON
MRS. FRANK J. V. KREBS
MRS. E. D. NIMS

MR. GEORGE W. SPEARL
MR. ERNEST W. STIX

DR. PHILIP A. SHAFFER, ex-officio
DR. LAWRENCE T. POST, ex-officio
DR. THEODORE E. WALSH, ex-officio
DR. EDWIN F. GILDEA, ex-officio

1 Deceased, October 6, 1942.
2 On leave of absence in National Service.
BULLETIN OF WASHINGTON UNIVERSITY

SOCIAL SERVICE DEPARTMENT OF WASHINGTON UNIVERSITY CLINICS AND ALLIED HOSPITALS

MISS MARY K. TAYLOR .... Director
MISS ISABEL BERING .... Administrative Assistant
MISS MURIEL GAYFORD .... Educational Assistant

OFFICERS OF THE BOARD OF MANAGERS

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

THE AFFILIATED HOSPITALS

THE BARNES HOSPITAL

TRUSTEES

Mr. Frank C. Rand .... President
Mr. Albert M. Keller .... Mr. James L. Westlake

ADMINISTRATION

Frank R. Bradley, M.D. .... Superintendent
E. B. Quarles, M.D.* .... Assistant Superintendent

* In National Service.

Harry C. Dunham .... Business Manager
Cornelia S. Knowles, R.N. .... Chief Admitting Officer

ST. LOUIS CHILDREN’S HOSPITAL

OFFICERS OF THE BOARD OF MANAGERS

Mrs. Grace R. Jones .... Chairman
Mrs. George D. Markham .... President
Mrs. Harry H. Langenber .... 1st Vice-President
Mrs. John T. Davis, Jr. .... Vice-President
Mrs. Robert A. Holland, Jr. .... Vice-President
Mrs. Norris B. Gregg, Jr. .... Vice-President
Mrs. Louis La Beaume .... Recording Secretary
Mrs. Oliver F. Richards .... Corresponding Secretary
Miss Carlotta Glasgow .... Treasurer
Mrs. George O. Carpenter, Jr. .... Assistant Treasurer

ADMINISTRATION

Estelle D. Claiborne, R.N. .... Superintendent
Lilly D. Hoekstra, R.N. .... Assistant Superintendent
Mary M. Reynolds, R.N. .... Assistant Superintendent
Marjorie M. Moore, R.N. .... Superintendent of Nurses
Marion Barnard, R.N. .... Admitting Officer
Frances Livingston, R.N. .... Admitting Officer
ST. LOUIS MATERNITY HOSPITAL

OFFICERS OF THE BOARD OF MANAGERS

Honorary Presidents

MRS. BENOIST CARTON  MRS. LESLIE DANA

MRS. PAUL BROWN  First Vice-President
MRS. B. K. LEACH  Treasurer
MRS. DUNCAN MEIER  Recording Secretary
MRS. RICHARD S. HAWES  Corresponding Secretary

Management Committee

MRS. LESLIE DANA  MRS. RICHARD S. HAWES
MRS. E. W. GROVE

ADMINISTRATION

MARY J. KEITH  Superintendent

UNIVERSITY CLINICS

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

JOHN V. LAWRENCE, M.D.  Director

Board of Managers

MR. WALTER V. SCHOLZ  President
MRS. EUGENE MCCARThY  Vice-President
DR. JOHN V. LAWRENCE  Secretary
MR. DONALD G. GIBBINS  Treasurer

MRS. HORTON WATKINS  Mr. T. V. VAN SCHOLACK
MRS. JOHN HASKELL  MRS. ROBERT A. HOLLAND, JR.
MR. WILLIAM H. DANFORTH  MISS MILDRED MCCLUNey
DR. MALVERN B. CLOPTON, EX OFFICIO

The University Clinics are conducted by the medical school under the supervision of a separate Board of Managers. Formerly called the Dispensary, the present name was adopted in 1932 when the outpatient service was reorganized to serve for instruction in modern medical care for outpatients of the hospitals. The Clinics furnish medical service to the community and afford examples to medical students of physician-patient relationships. The number of patient visits to all clinic subdivisions during the past year was 128,566.

Plans are in progress for the incorporation of the University Clinics under a separate Board made up of representatives of the University, of each of the Affiliated Hospitals and members-at-large representing the community.

THE ST. LOUIS CITY HOSPITALS

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

THE SCHOOL OF MEDICINE

The first medical schools established west of the Mississippi River were organized as departments of the Roman Catholic St. Louis University and of the Protestant Episcopal Kemper College, in which departments courses of instruction were first offered in 1842 and 1840, respectively. From these origins there arose two independent schools, the St. Louis Medical College popularly known as “Pope’s College,” and the Missouri Medical College or “McDowell’s College,” which after successful operation as separate institutions for nearly fifty years were united in 1899 to form the Medical School of Washington University. Accounts of the history of these pioneer medical schools are to be found in the Centennial Volume of the St. Louis Medical Society and in the Medical Alumni Quarterly of Washington University.

The St. Louis Medical College first became affiliated with the University in 1891, when an association of the faculty known as the Medical Fund Society contributed funds for the erection and equipment of the building at 1806 Locust Street, which housed the laboratories and outpatient dispensary until 1914 when the school moved to its present site. The name of the St. Louis Medical College was retained until joined in 1899 by the Missouri Medical College, the union forming the present Medical School.

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

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

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

In 1914 the Medical School moved to the new site on Kingshighway. The Medical Center then comprised the Robert A. Barnes Hospital, the St. Louis Children's Hospital and the Medical School. The St. Louis Maternity Hospital became affiliated with the Medical Center and erected its present building in 1927. In 1931 the McMillan Eye, Ear, Nose and Throat Hospital, provided by the bequest of Mrs. Eliza McMillan, and the Oscar Johnson Institute, the gift of several donors, were erected by the University. The Edward Mallinckrodt Radiological Institute, the gift of Mr. Mallinckrodt and his son, was erected in 1931 and has since provided the X-ray services for the whole group.

THE MEDICAL SCHOOL BUILDINGS

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

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

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

THE HOSPITALS AND LABORATORIES OF THE MEDICAL CENTER

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

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

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

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

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

The Mallinckrodt Radiological Institute, built adjacent to and connected on each floor with the Barnes Hospital, is owned by the University and is operated as a department of the Medical School. It provides excellent facilities for X-ray examination and therapy which are utilized by all of the affiliated Hospitals and affords exceptional opportunities for both undergraduate and graduate teaching. By a special endowment the staff of the Radiological Institute is enabled to carry on researches in both clinical and experimental subjects, independently and in collaboration with other departments. The staff includes residencies for the training of graduate physician radiologists. An important research activity of the Institute is operation of the Cyclotron, located on the campus of the University, and the study of biological and medical effects of radioactive isotopes and of the neutron beam.

The McMillan Hospital for Eye, Ear, Nose and Throat is opened at present only as an out-patient department, as part of the University Clinics. The number of patient-visits daily in this division of the Clinics is about 125 and provides excellent facilities for teaching and research in ophthalmology and otolaryngology. Work is now under way to complete the equipment of this hospital for in-patients and for its conduct for the University by the Barnes Hospital. The opening of this hospital will add about 150 beds to the capacity of the Medical Center, thereby relieving the present shortage of hospital facilities for nearly all types of patients.

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

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

Patients in certain of the St. Louis City Hospitals are also utilized for both undergraduate and graduate teaching. By arrangement with the Hospital Commissioner, the Medical School nominates the staffs for a unit (one-third) of the City Hospital, a unit (one-half) of the Bliss Psychiatric Institute, and the senior staff (1941-43) of the Homer Phillips Hospital. The facilities of these large and varied hospital services are being increasingly used for teaching and research by organized staffs from all clinical departments of the School. The Isolation Hospital (for contagious diseases) and the City Sanitarium (for mental diseases) are also used for study and teaching in these subjects.

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

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

LIBRARY

The Library contains (October 1, 1942) 58,166 bound volumes and receives 527 medical periodicals, selected with reference to the needs of students and investigators. There are 769 complete sets of periodicals.

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

The Library is open week days from 8:30 a. m. to 10:00 p. m. During the summer vacation the hours are 9:00 a. m. to 5:00 p. m.

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

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

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

REQUIREMENTS FOR ADMISSION

For the duration of the war emergency, the entrance requirements have been revised to allow the admission of applicants to the first year class after completion of four full semesters of college work, provided the student gives evidence of being well qualified as a person and has had satisfactory training in English, chemistry, physics and biology as outlined below. This shortening of the required college preparation, like the acceleration of the undergraduate medical curriculum already in effect, follows the recommendations of the Association of American Medical Colleges that member colleges reduce the time required for preparation and training, in order to aid in meeting the need of the military forces for medical personnel.*

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

a. A knowledge of English such as is required by approved colleges. The need for facility in the accurate and discriminating use of English deserves emphasis.
b. A knowledge of the principles of inorganic and organic chemistry. The laboratory work must include practice in the elements of volumetric analysis and in the simpler manipulations of organic chemistry.
c. A knowledge of the principles of physics. The course should include laboratory work of quantitative character and be preceded or accompanied by appropriate instruction in mathematics.
d. A knowledge of the principles of general biology, afforded by a course or courses with laboratory work.

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

In adopting the reduced requirements of pre-medical preparation, the faculty intends to maintain its standards both as regards the personal qualifications of candidates and the quality of accomplishments as indicated by performance in college courses. For added emphasis on this point, the following comments are presented for the information or guidance of prospective applicants or their advisers.

From a large number of applicants the faculty Committee on Admis-sions tries to select those who appear to be best fitted to take up the study of medicine. The selection is based mainly on two considerations:
the personal qualities of the applicant and his or her scholastic attainments. In judging a candidate's qualifications great weight is given to evidence of personal fitness, ability, and interest. The number of academic credits is regarded as less important than the quality of the work accomplished and the direction of the student's interest as shown by the content of the courses he has chosen. The personal qualities regarded as essential are, in addition to native intellectual ability, awakened interests, initiative and industry, health and character. Evidence concerning personal qualities is secured from opinions of teachers and others well acquainted with the applicant, from interest and aptitude tests, and from personal interviews.

The college courses of the pre-medical program may be thought of as serving two purposes; and every student may benefit from selecting courses with this thought in mind. As the foundation for later understanding of the technical knowledge of medicine, a thorough drill in at least the elementary principles, concepts and simpler methods of chemistry, physics, and biology is essential. A college course in English is also required. If confined to the bare minimum, these obligatory courses will occupy at least half the time of four semesters. Unless the student demonstrates definite interest and aptitude in some or all of these courses, it is unlikely that he will succeed in the medical school.

It is no less important that every pre-medical student appreciate that medicine demands more than a technical education. Medicine is concerned with such a variety of community, social, and individual problems that everyone entering this profession must have an interest also in other aspects of human affairs. The second purpose of college preparation is to cultivate and expand the talents of the individual—presumably discovered and shaped during the earlier high school period—along lines that promise personal satisfaction and cultural growth.

Believing that high level of performance—and with it lasting satisfaction—depend mainly upon interest and aptitude, the Admissions Committee advocates a large measure of freedom in the selection of courses and programs of study that appear best suited to the student's demonstrated aptitudes. In his exercise of this choice, every student should realize that the substance and difficulty of a course together with the interest and earnestness with which the study is done are the criteria that measure its lasting value.

College students who expect to become applicants for admission to this Medical School on the reduced entrance requirements are invited to make preliminary inquiry during the second semester of their first year. The lowered requirements become effective for the class to be admitted in January 1944. Applicants will not be formally accepted for that class before March 20, 1943, but full applications with college transcripts should be filed soon after January 1, 1943.

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

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

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

ADMISSION TO ADVANCED STANDING

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

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

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

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

ADMISSION OF GRADUATES IN MEDICINE

Applicants who already hold the M.D. degree are rarely admitted to the School as candidates for that degree, but may be admitted to the School on the following basis. (1) With the consent of heads of the departments concerned graduates may take individual work in one or more departments as special students. (2) A limited number of graduate physicians, or others who may be qualified, may be admitted to courses
with the undergraduate classes subject to the consent of the instructors and the head of the department. Fees for special courses, individual instruction or material will be determined in each case by the Dean in conference with the head of the department in which the work is done. (3) Special post-graduate courses are offered in several departments concerning which full information will be given upon request. (See p. 77.) (4) Qualified investigators may be accepted as volunteer research assistants upon the written recommendation of the head of the department.

STANDING AND PROMOTION

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

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

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

(a) A student having recorded failures in two major subjects (see list below) will be required to withdraw from the class.

Major Subjects.

First Year: Anatomy, Cytology, Biochemistry.
Second Year: Physiology, Bacteriology, Pathology, Pharmacology, Medicine, Surgery (½).
Third Year: Medicine, Neuropsychiatry, Obstetrics and Gynecology, Surgery, Public Health (½).
Fourth Year: Medicine, Obstetrics and Gynecology, Pediatrics, Surgery, Ophthalmology (½), Otolaryngology (½).

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

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

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

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

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

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

For the general guidance of the committee on promotion for the third
year, all students are required to take two written comprehensive exami-
nations of the objective type, during the third year. The first exami-
nation will test the student's ability to correlate the preclinical sciences
with the clinical sciences. The second examination will cover the subject
matter of the third year. These examinations are held under the direc-
tion of the committee on promotion for the third year.

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

The objective examinations do not replace departmental examinations.

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

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

REQUIREMENTS FOR DEGREES

DOCTOR OF MEDICINE

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

At the end of the fourth year students who have fulfilled these require-
ments will be recommended for the degree of Doctor of Medicine. Candi-
dates must be present when degrees are conferred.

BACHELOR OF SCIENCE IN MEDICAL SCIENCE

Students who enter the School of Medicine with a minimum of ninety
semester hours of work may become candidates during the medical course
for the degree of Bachelor of Science in Medical Science, provided the
quality of work done in required courses is satisfactory. Acceptance as
candidates for this degree is granted not earlier than after completion of the courses of the first year. Requirements for the degree are the satisfactory conduct of 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 at least one month before the degree is to be awarded. Compliance with the requirements for this degree will not usually be attained before the end of the third or fourth year.

INTERN APPOINTMENTS

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

About half of the members of each class now secure appointments in hospitals of St. Louis.

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

PRIZES

GEORGE F. GILL PRIZES:

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

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

ALPHA OMEGA ALPHA FRATERNITY PRIZE is awarded at the end of the fourth year to the member of that class who has made the highest average for the entire medical course.

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

The ALEXANDER BERG PRIZE of one hundred dollars is awarded to a student of high general standing who presents the best results in research in bacteriology.
The Howard A. McCordock Book Prize is awarded at the end of the second year to a member of that class for general excellence in pathology.

The Sidney I. Schwab Book Prizes are awarded at the end of the third year to members of that class for general excellence in neurology and psychiatry.

The Nu Sigma Nu Awards of twenty-five dollars each are awarded to the outstanding members of the first and second year classes.

Fellowships and Scholarships

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

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

The amount of the stipend is not fixed, being determined in each case by the need of the individual for financial aid. Award of a Jackson Johnson Scholarship is regarded as a mark of distinction, and carries certain privileges in the School. When made to students not in urgent need of financial aid, the award carries no stipend or only a nominal stipend. For those recipients whose resources are inadequate for tuition and living expenses, the stipends will be set at amounts that will permit maintenance during the academic year without outside employment for support. Holders of these scholarships are not permitted to engage in outside employment, except with the consent of the Dean. The object is to aid in providing favorable circumstances for the development of the student’s talents. Employment having educational value in laboratories of the School, with or without compensation, is occasionally available to holders of scholarships as also to other students. During the year 1942-43 there are twenty-one holders of Jackson Johnson Scholarships in four classes, the average stipend being $550. The maximum (including stipends of student-assistantships) is $900.

Emergency loans in limited amounts are available from the Jackson Johnson Fund for students in the upper three classes of the School, when needed to meet unexpected emergencies during the academic year. The loans are granted by the Chancellor on the recommendation of the Dean.
A FELLOWSHIP IN NEUROLOGICAL SURGERY with a stipend of $1200 per year is awarded on recommendation of the Department of Surgery. Candidates must be graduates in medicine who will have completed an internship.

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

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

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

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

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

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

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

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

ANDREW RANKIN FLEMING AND SUSIE FLEMING FUND. Through the bequest of the late Mrs. Susie Fleming, $150.00 from the income of this Fund is available annually for scholarships for worthy and needy students in the School of Medicine.

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

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

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

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

Registration

Registration will be held quarterly during the war emergency. Registration will be held during 1943 on January 4, March 29, June 12 and September 27. The first registration in 1944 will be held on January 3. 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 to 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. The tuition fee for undergraduate medical students has for some time been set at $500 for the academic year of 33 weeks. When the accelerated program, adopted as a war measure, became effective with the summer quarter of 1942, the same rate of tuition was continued.
A tuition fee of $166.67 was charged at the beginning of each quarterly period of 11 weeks. For the full course of twelve quarters, completed in three calendar years the aggregate tuition would thus be $2000, as on the normal program.

To comply with requirements of the Army and Navy educational programs for medicine, and also to moderate somewhat the pace of instruction under the continuous schedules, the length of the quarters will be extended from 11 to 12 weeks. With this extension of time, the quarterly tuition payments are increased to $187.50, or $750 for four quarters in one calendar year.

**Breakage Deposit.** Each student is required to make a deposit annually ($10.00 Juniors and Seniors; $15.00 Freshmen and Sophomores) to cover breakage in the School of Medicine, clinics and hospitals. Any balance of this deposit will be returned at the end of each year. At any time the amount of breakage exceeds the amount of deposit an additional deposit will be called for.

**University Health Service.** A fee of $2.75 a quarter is charged each student for medical health service. This fee covers a complete medical examination soon after admission to the school and once each calendar year of attendance. The service provides for medical consultation with the physician who is available at the health clinic office throughout the school year. The fee includes medical care for ordinary illnesses which can be treated at the office or home. The cost of hospitalization or special procedures beyond the scope of the health service is not included.

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

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

**Microscopes and Diagnostic Instruments**

Each student entering the Freshman class is required to possess a standard microscope equipped with a substage light.

All students are required to provide themselves with stethoscopes, ophthalmoscopes, otoscopes, hemocytometers, percussion hammers, tape measures, flashlights, head mirrors and skin pencils as the need for them arises.

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

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$750.00</td>
</tr>
<tr>
<td>Breakage Deposit</td>
<td>$20.00 or 30.00</td>
</tr>
<tr>
<td>Matriculation Fee (payable once)</td>
<td>5.00</td>
</tr>
<tr>
<td>Health Service Fee</td>
<td>11.00</td>
</tr>
<tr>
<td>Books and Instruments</td>
<td>$75.00 to 150.00</td>
</tr>
<tr>
<td>Room and Board (from $7.00 to $15.00 a week)</td>
<td>364.00 to 780.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$1225.00 to $1726.00</strong></td>
</tr>
</tbody>
</table>

MEN'S DORMITORY OF THE SCHOOL OF MEDICINE

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

The rental of a room is $30.00 per quarter, payable in advance, at registration. Reservations are accepted only for the full academic year. Application for reservation should be made to the Registrar and must be accompanied by a reservation fee of $10.00. This fee will be returned should the room not be assigned. If a room is assigned, the fee will be held by the University as a bond against possible damage to the room or furniture. Subject to such claim it will be refunded at the end of the academic year.

GENERAL PLAN OF INSTRUCTION

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

The course of study required of candidates for the degree of Doctor of Medicine is designed for students who have already received certain preliminary training. As stated in detail on p. 38, the student on entering the School must have a knowledge of chemistry, physics, biology, and English.

The medical curriculum, covering four academic years can be divided into two distinct periods.

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

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

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

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

CONJOINT MEDICINE

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

Medicine: Physical Diagnosis
Physiological Interpretation of Signs and Symptoms
Clinical Chemistry and Microscopy

Neuropsychiatry: Introductory Course on the Patient-Physician Relationship
Neurological Examination in Physical Diagnosis

Obstetrics and Gynecology: Introduction to Obstetrics

Ophthalmology: Introduction to Ophthalmology

Otolaryngology and Physical Diagnosis

Surgery: Introduction to Surgery

ANATOMY

Professor and Head of Department Cowdry.
Professor Emeritus Terry.
Visiting Professor Sullivan.¹
Associate Professors Trotter, O'Leary, Charles.
Instructors Bartlett, Schwartz,² Evans,² Van Dyke, Carruthers, Leydig.
Assistants Lanier, Nielson, Royce, Lansing.²
Student Assistant Ritzmann.

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

¹ January 1 to June 30, 1943.
² In Military Service.
FIRST YEAR

10 (501 and 502). GROSS ANATOMY. Each student dissects one-half of the human body and is encouraged to learn as much as possible from the living subject. Extensive use is made of a wide variety of specimens displayed in the Anatomical Museum. There is occasional attendance at autopsies. X-ray films are regularly examined and demonstrations on the living subject are made under the fluoroscope. Lectures are correlated with the dissection. 379 hours.

(Drs. Trotter, Sullivan, Charles, Lanier, Royce)

11 (506). HISTOLOGY. A laboratory course occupying five mornings a week during the first trimester. Special attention is paid to the study of living tissues and to the correlation of gross and microscopic structure. There are two lectures a week and many informal discussions in the laboratories. 198 hours.

(Drs. Cowdry, O'Leary, Van Dyke, Carruthers)

12 (507). NEUROLOGY. A laboratory course in gross and microscopical anatomy of the nervous system occupying five mornings a week. Three weekly lectures are devoted to subjects not easily presented by work in the laboratory. 90 hours.

(Drs. O'Leary, Bishop, Van Dyke)

THIRD YEAR

30. ANATOMICAL DEMONSTRATIONS. This course provides a review of regions and structures at the time when students are entering upon their clinical work. Demonstrations two hours a week during the second trimester. 22 hours.

(Dr. Charles)

ELECTIVE COURSES

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

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

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

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

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

Professor of Biophysics.
BULLETIN OF WASHINGTON UNIVERSITY

BIOLOGICAL CHEMISTRY

Professor and Head of Department Shaffer.
Professor C. F. Cori.
Assistant Professors Ethel Ronzoni Bishop, Urban, Green.
Instructors Freiberg, Preisler, Colowick, Hill, Kalckar.
Research Associate Gerty Cori.
Assistant Krebs.

First Year

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

(Drs. Shaffer, C. F. Cori, Ronzoni-Bishop, Urban, Green, Mr. Krebs)

Elective Courses

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

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

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

Physiology

Professor and Head of Department Erlanger.
Associate Professors H. Lester White, Gilson.
Assistant Professors Peugnet, Edgar A. Blair.
Instructors Schoepfle, Walker.
Assistant Mills.

First and Second Years

10 and 20 (502 and 503). Physiology. Lectures covering systematically the field of human physiology with experience in the laboratory, designed primarily to meet the needs of medical students. The laboratory experiments are selected with the double object of supplying a basis for the understanding of the more important physical methods employed in physiology and in clinical medicine and elucidating certain fundamental physiological principles. As far as practicable the student serves as the subject in these experiments. Open to students who have completed or have begun the study of anatomy and biological chemistry.

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

(b) Laboratory. Second trimester of the second year. 130 hours.

(Drs. Erlanger, Gilson, Schoepfle, Walker)

1 In Military Service.
2 July 1 to December 15, 1942.
ELECTIVE COURSES

50 (504). Demonstration Methods. This course is designed primarily for students preparing to teach physiology, and who may desire a wider experience in experimental physiology than can be gained in Course 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.

51 (590). 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.

52 (591). 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 and Head of Department Bronfenbrenner. Assistant Professors Varney, Hershey, Morris. Instructors Tsuchiya, Harford, Sulkin. Assistant Kalmanson.

The courses in Bacteriology and Immunology are given during the first and second trimesters of the second year of the medical curriculum, respectively.

Because the bulk of the students entering Medical School have had no elementary training in bacteriology and, as a rule, have no conception of aseptic technique, the first three weeks of the course are given over to a brief consideration of the elements of physiology of bacteria and to instruction in basic methods of pure culture study, utilizing non-pathogenic bacteria for this purpose. Only when their technique is reasonably safe are the students permitted to handle pathogenic bacteria and even then, as a measure of safety, no more than ten students are supervised by each instructor.

Since the time allotted for the teaching of Bacteriology is limited, students are not expected to become proficient in bacteriological or serological techniques. For the few students who may desire to develop technical proficiency, a special course in Diagnostic Technique has been arranged with the cooperation of the Laboratory Staff of the City Health Department.

The research facilities of the Department of Bacteriology are open to those medical students who have had sufficient previous training in bacteriology. Such students may undertake special investigations under the supervision of members of the department.

Through the generosity of the family of Alexander Berg, an annual prize is available in this department to be awarded in recognition of excellence of such investigations by medical students.
In addition to instruction of medical students, the department offers graduate training to a limited number of students who have previously received their basic training in bacteriology elsewhere.

SECOND YEAR

20 (531). BACTERIOLOGY. Lectures and Laboratory. A brief survey of General Bacteriology with a view of acquainting the students with the role of bacteria in the economy of nature and with methods of pure culture study. Special emphasis is placed on such aspects in the mutual relation between the bacteria and their environment which would bring out those basic characteristics of metabolic requirements and activities of bacteria which on the one hand may serve to identify the individual species and on the other to explain some of the effects of bacterial invasion. After a brief consideration of the mechanisms governing the mutually limiting relation of the resistance of the host and the invasiveness of the parasite, a number of more important communicable diseases, caused by viruses, bacteria, fungi, protozoa and metazoa, are studied individually with respect to epidemiology, means of laboratory diagnosis, specific therapy and prophylaxis, and general measures of control. Fifteen hours a week during the second trimester. 165 hours.

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

21 (532). INFECTION AND IMMUNITY. Consideration of the theories concerning the mechanism of immunologic reactions, both those occurring in vivo as well as those utilized for serologic procedures of diagnosis in vitro. Antigens, specific prophylaxis. Antibodies, their nature, significance in resistance to infection and as indices of past exposure. Serum therapy. Hypersensitiveness. One lecture and three hours of laboratory work each week during the third trimester. 44 hours.

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

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

ELECTIVE COURSE

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

(Dr. Bronfenbrenner and Staff)
The course in Public Health is given during the first and second trimesters of the third year of the medical curriculum.

The instruction in Public Health is carried on under the auspices of the Department of Bacteriology.

This arrangement has been made possible through the very generous cooperation of the staffs of the City and County Health Departments and of members of the Faculty of Washington University.

The required course in Public Health consists of forty-four lectures. In addition, for those of the students who are interested, an elective course consisting of twenty-two field trips is given during the first and third trimesters of the third year, under the supervision of professional health officers of the City and County. Usually upward of fifty per cent of the class avail themselves of this elective course.

**THIRD YEAR**

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

**ELECTIVE COURSE**

50 (537). **Public Health Field Work.** This is corollary to the basic course as given to third year medical students. The course consists of field trips and illustrated lectures covering public health, industrial, administrative, and other establishments whose activities are of interest to physicians and public health workers, and of a health survey. The class meets on Thursday afternoons during the first and third trimesters. (Dr. McGavran, Dr. Bredeck, Dr. Varney, Mr. Board, Mr. Buxell)
The Department of Pathology occupies the entire third floor of the Clinic Building. The post-mortem rooms and amphitheatre are in a separate unit connecting with the first and second floors of the Clinic Building. There is a well arranged museum on the fourth floor and adequate facilities for experimental studies on the fifth floors.

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

Clinico-pathological conferences conducted in collaboration with the departments of Medicine (Thursday at 12 noon), Surgery (Thursday at 4:30 P. M.), and Pediatrics (Friday at at 4 P. M.) are open to interested physicians and students.

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

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

SECOND YEAR

20 (501). PATHOLOGY. General and special pathology are covered by lectures, gross and microscopic demonstrations and laboratory work. In general pathology, degenerations, inflammations, infectious diseases and tumors are considered. The diseases of each organ system are studied during the time devoted to special pathology. Small groups are given instruction in post-mortem technique, in gross pathology and in experimental pathology. 297 hours.

(Drs. Moore, M. G. Smith, Saxton, Wheeler, Russell, Goodof and Staff)

1 Effective September 15, 1942.
2 July 1 to December 31, 1942.
3 In Military Service.
THIRD AND FOURTH YEARS

30 and 40. CLINICAL AND PATHOLOGICAL CONFERENCE. The clinical history and treatment of patients who have died are discussed before the class by the physicians and surgeons of the departments concerned. These conferences afford the students an opportunity to interpret the clinical observations in the light of the post-mortem findings. One hour a week during the third and fourth years.

(Drs. Moore, Margaret Smith, Russell)

ELECTIVE COURSES

50 (502). Major Research. The laboratory offers facilities for research in pathology. Specialists and students with adequate training who desire to extend their knowledge of pathology will be admitted.

(Drs. Moore, Margaret Smith, Saxton)

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

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

(Drs. Moore, Margaret Smith, Saxton)

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

(Drs. Moore, Margaret Smith, Saxton)

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

(Dr. Moore)

55. Clerkship in Pathology at Washington University. Not to exceed six students at one time may serve as clerks in the Department of Pathology. The students will assist at autopsies and prepare reports for presentation at a seminar once a week. These students will also attend the regular departmental conferences and journal club. Full time for four, six or eight weeks. All quarters.

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

56. Minor Research. Those students who during a preceding summer or school year have initiated a research problem in Pathology may continue the work during the elective quarter of the fourth year. Full time for eight weeks. All quarters.

(Drs. Moore, Margaret Smith)
The course in Pharmacology is designed to acquaint the students with the reactions of the body to drugs in health and disease.

SECOND YEAR

20 (501 and 502). Pharmacology. (a) Lectures, recitations and demonstrations covering the general field of pharmacology, including toxicology, chemotherapy and prescription writing. 50 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. 93 hours.

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

(Drs. Cori, Graham)

ELECTIVE COURSES

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

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

52. 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.

1 Resigned October 31, 1942.
THE SCHOOL OF MEDICINE

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

BUSCH PROFESSOR AND HEAD OF DEPARTMENT WOOD.
PROFESSOR EMERITUS ALBERT E. TAUSSIG.
PROFESSOR ALEXANDER.
ASSOCIATE PROFESSORS ELMER, OLMSHEAD, LUTEN, LARIMORE, C. V. MOORE.
ASSISTANT PROFESSORS BULGER, LAWRENCE, THOMPSON, KOUnTZ, JENSEN, MACBRYDE, KETTELKAMP, MYERS,1 CADY,1 BARRETT TAUSSIG.
INSTRUCTORS BAUMGARTEN, JEROME E. COOK, SALE, LOUIS H. HEMPELMANN, FISCHEL, GORHAM, EYERMANN, STRAUSS, GRANT, ALFRED GOLDMAN, LIGGETT, DUDEN, BREDECK, DAY, RUSK,1 STRoud, AITKEN, JEAN, BROMBERG,1 GOTTLIEB,1 KENAMORE,1 SEIBEL,1 HAGEMAN, KAHN, MASSIE, EDWARDS,1 JOHN R. SMITH, MURPHY, KEITH WILSON, HOLDEN, SEDDON,1 KOENIG, ELLIOTT,1 HARFORD, WADE, WILLIAMS, POLLOCK, GLAZE,2 ROSENFELD,2 ASSISTANTS ABEL, BECKE, GLASSBERG, MEHRTEN, M. SMITH,1 LEE B. HARRISON, CANNADY, SKILLING, CECIL M. CHARLES, MANSBACHER, BEAM, SCHEFF, HORNER, BIEBAUM, AGRESS,1 ARROWSMITH,1 KELLEY,1 BEN CHARLES,1 DRAKE,1 BLANEY,1 DOUBLY, MINDICH, REINHARD, ROBERTS, WEDIG,1 STANLEY F. HAMPTON,1 FLEISHMAN,1 B. WHITE,1 FREEDMAN,1 KIRCHER,1 WRIGHT,1 KIRSTEIN,1 HENRY ALLEN,1 KARL, KALLENBACK,1 CROUCH,1 R. J. COOK,1 STANBRO,1 DARROW,1 MACFARLANE, FLEMING, BROOKS, BUCK, ROTH, SOBIN, TOPKINS, GILLILAND,2 RESEARCH FELLOW MCLEOD,3

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

SECOND YEAR

20. ELEMENTARY MEDICINE.

(a) Physiological Interpretation of Signs and Symptoms. 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. Part of Conjoint Medicine. (See page 50.) 33 hours.

(Drs. MacBryde, Gildea and Staff)

(b) Physical Diagnosis. Lectures, demonstrations and practical exercises in the technique of physical diagnosis. The Departments of Pediatrics, Neuropsychiatry, Obstetrics and Gynecology, Otolaryngology and

1 In Military Service.
2 Effective October 7, 1942.
3 Effective September 1, 1942.
Ophthalmology participate in presentation of the material. Part of Conjoint Medicine. (See page 50.) 77 hours. (Dr. John Smith and Staff)

(c) Clinical Chemistry and Microscopy. Lectures and laboratory course in methods of microscopic and chemical diagnosis. Part of Conjoint Medicine. (See page 50.) 88 hours.
(Drs. Carl Moore, Macfarlane, Miss Bierbaum)

THIRD YEAR

30. GENERAL MEDICINE.

(a) Supervised Study of Patients in Wards of St. Louis City Hospital. Each student is assigned two cases a week for complete study and written reports. The work is supervised by preceptors, each of whom is responsible for one-fourth of the group. Teaching exercises include ward rounds, clinics and afternoon work in the wards and laboratories. 22 hours a week for one trimester. 242 hours.
(Drs. Barrett Taussig, Jensen, Holden, Williams and Karl)

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

31. MEDICAL CLINICS. Clinics and demonstrations intended to present systematically the more important subjects in clinical medicine. Two hours each week during the first and second trimesters. Three hours each week during the third trimester. 77 hours.
(Drs. Wood, Alexander, Carl Moore, Olmsted, Eyermann, Goldman, Bulger, Kountz, Jensen, J. Smith, Strauss, Luten, Morris Moore, M. Cook, Koenig, Wilson, Duden, MacBryde, Hageman, Harford)

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

33. MEDICAL CLINICS. 33 hours. (See under Fourth Year—Medicine 41.)

FOURTH YEAR

40. MEDICINE.

(a) Clinical Clerkship in Hospital Wards. For four weeks the entire day is spent in the wards of Barnes Hospital or the Jewish Hospital, with the exception of two hours a week at the Isolation Hospital. Patients are assigned for complete study and are followed throughout their stay in the hospital. Cases are presented by the student before the attending physician at ward rounds on the General Medical Wards three times a week and on the Metabolism Ward once a week. Problems relating to the diagnosis and treatment of contagious diseases are discussed on ward rounds held weekly at the St. Louis Isolation Hospital. Two
therapeutic conferences are conducted each week by the resident physicians in charge of the Ward Medical Service. 125 hours.

(Drs. Wood, Alexander, Carl Moore, MacBryde, Grant, Hageman, Aitken and Resident Staff)

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

Morning
Medicine A Clinic (General Medicine)
(Drs. Goldman, Pollock, Glaze, Aitken, Massie, Thompson, Fischel, Kountz, Gorham, Horner)
Medicine B Clinic (General Medicine)
(Drs. Strauss, Brooks, Duden, Grant, Wilson, Skilling, Cannady, Olmsted, Sale, J. Cook, Scheff)

Afternoon
Dermatology Clinic* (Dr. Weiss and Staff)
Syphilis Clinic
(Drs. Koenig, M. Cook, Lawrence, J. Smith, Becke, Fleming, Coleman, Lee McLean)

106 hours.

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

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

42. CLINICAL PATHOLOGICAL CONFERENCES. Abstracts of the clinical records of patients upon whom post mortem examinations have been performed are presented in advance to members of the third and fourth year classes and to members of the medical staff. Cases are selected to illustrate diagnostic problems, and special cases are included from outside sources to emphasize the more important Tropical Diseases not seen in this locality. At each conference the diagnosis is discussed in detail by the clinical staff before the anatomical findings are presented by the pathologists. 33 hours.

(Drs. Wood, Alexander, Robert Moore and Staff)

ELECTIVE COURSES

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

(Drs. Kettelkamp, Murphy)

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

(Dr. MacBryde)

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

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

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

(Dr. Bulger)

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

(Dr. Bulger and Staff)

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

(Drs. Weiss, Horner, Rosenfeld, Bulger, and Staffs)

DERMATOLOGY

PROFESSOR EMERITUS MARTIN F. ENGMAN.
ASSOCIATE PROFESSOR AND ACTING HEAD OF DEPARTMENT WEISS.
INSTRUCTORS A. H. CONRAD, COLEMAN, LANE, MARTIN F. ENGMAN, JR., MANTING.¹
ASSISTANTS ESKELES, BAGBY,² MARCUS,² A. H. CONRAD, JR.²
MYCOLOGIST MORRIS MOORE.

FOURTH YEAR

40. DERMATOLOGY. A lecture course on diseases of the skin and on syphilis. This course is a general survey of the etiology, symptomatology, pathology, and treatment of skin diseases and the history and pathology of syphilis. 12 hours.

(Dr. Weiss and Staff)

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

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

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

¹ Effective October 7, 1942.
² In Military Service.
ELECTIVE COURSE

50. Clinical demonstrations and examination of dermatological conditions. Methods of therapy.
Mondays—2:00 to 4:00 p.m.—Skin Clinic, Washington University Clinics.

(Dr. Weiss and Staff)

NEUROPSYCHIATRY

PROFESSOR AND HEAD OF DEPARTMENT EDWIN F. GILDEA.
PROFESSOR EMERITUS SCHWAB.
PROFESSORS RIOCH, JACOBSEN.
ASSISTANT PROFESSORS A. B. JONES, CARR, SATTERFIELD, TUREEN, WARSON, O'LEARY, LEVY.
INSTRUCTORS KURITSCHK, BELL, GITT, MAUGHS, FINGERT, ZENTAY, MARGARET GILDEA.
LECTURER EMEY.
ASSISTANTS KENDALL, BUSCH, MIKSICEK, P. HARTMAN, F. GRAHAM.
RESEARCH FELLOWS BUCHMUELLER, HOFFSTATER.

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

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

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

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

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

In the fourth year weekly clinical demonstrations are held for the

1 In Military Service.
whole class at which illustrative cases are presented and diagnosis and therapy are discussed.

**FIRST YEAR**

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

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

**SECOND YEAR**

20. PSYCHIATRY.
INTRODUCTORY COURSE ON THE PATIENT-PHYSICIAN RELATIONSHIP. (Part of Conjoint Medicine (see page 50).) Discussions with clinical demonstrations of the relationship between the patient and the physician and the other interpersonal relationships of the patient which have a bearing on his problems. Interview techniques and systematic formulation of the data are considered. 11 hours. (Drs. E. Gildea, Rioch, Jacobsen and Associates)

2. NEUROLOGY.
NEUROLOGICAL EXAMINATION IN PHYSICAL DIAGNOSIS. (Part of Conjoint Medicine (see page 50). Lectures, demonstrations and exercises in the neurological examination of the patient. 6 hours. (Drs. Jones and Rioch in conjunction with Dr. Wood and Assistants)

**THIRD YEAR**

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

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

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

(b) **CLINICAL CLERKSHIPS.** Clinical clerkships on wards of the St. Louis City Hospital. Students participate under supervision in the examination and treatment of patients. Emphasis is laid on the technique and interpretation of history-taking and the neurological physical examination. 30 hours.  
(Drs. Levy, Rioch)

**FOURTH YEAR**

40. **PSYCHIATRY.**

**PSYCHIATRIC CLINIC.** An exercise every other week throughout the year, alternating with the Neurological Clinic (Neurology 41 (a.)) Illustrative cases at the City Sanitarium, Bliss Institute and the Barnes Hospital wards are presented and discussed. One hour every two weeks throughout the year. 17 hours.  
(Drs. E. Gildea, Jacobsen, Schwab, Maughs)

41. **NEUROLOGY.**

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

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

**ELECTIVE COURSES**

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

51. *Psychiatric Clinical Clerkship at the Bliss Institute and City Sanitarium.* Two students, morning or afternoon for four or eight weeks. Types of patients may be selected to meet special interests of individual student.  
(Drs. E. Gildea, Rioch, Busch)

52. *Clinical Clerkship at the University Clinics.* Two students, mornings, for four or eight weeks. The students participate in the work of the neuropsychiatric clinic under the supervision of the staff members.  
(Drs. Schwab, Maughs)
53. Research in Neurology, Neuropathology, Psychology and Psychiatry. Facilities are available for qualified students to undertake original research in the laboratories of the department or in the clinics or wards.

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

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

BIXBY PROFESSIONAL AND HEAD OF DEPARTMENT EVARTS A. GRAHAM.
EMERITUS PROFESSORS VILRAY P. BLAIR, WILLARD BARTLETT.
PROFESSORS SACHS, SELIG, CLOPTON, KEY, DALTON K. ROSE.
ASSOCIATE PROFESSORS COPHER, ELMAN, HEINBECKER, J. BARRETT BROWN,1 WOMACK, FURLOW.1
ASSISTANT PROFESSORS FISHER, EWERHART, STONE, DUFF S. ALLEN, CREGO, THEODORE P. BROOKES, DEAKIN, JOSTES,1 ROWLETTE,1 BYARS.
INSTRUCTORS SANFORD, WILHELM, HENRY S. BROOKES, JR., PROBSTEN, WALTON,1 BLADES,1 SCHWARTZ,1 McCARROLL, ROBERT BARTLETT,1 CORDONNIER,1 BRICKER,1 JOHN PATTON,1 HAPFN, JORSTAD, HARRISON,1 KEYS, WATTENBERG.
ASSISTANTS THIEME, HEIDEMAN, LEYDIG, LISCHER, O. P. HAMPTON,1 ROCHIE,3 ALTHAUS, CUTLER, FELLS, KOPP, PRUETT,1 McDOWELL, HEIFETZ, MARTIN,2 HALL, LARGE, BARNHART, FISH,1 GREENBERG, W. K. WILSON,1 CLARKE, CRIDER,1 ECKERT, MODLIN,1 ROULHAC,1 VILRAY P. BLAIR, JR.,1 KELLY, OAKES,1 PARKER,1 H. SCHWARTZ,1 AKIN, FRYER, GROWDON, MAYER, MAYNE, GORDON MOORE.
FELLOWS BURFORD,1 SMOLIK, AGUILAR,3 SHEFTS,1 MACKLER,1 PIANETTO, POPPE, WU, VALLE, LENTINO.
RESEARCH FELLOW BRUNEAU, LIEBEN.

The instruction in the Department of Surgery begins with an introduction to surgical principles at the end of the second year. These surgical principles for the most part are derived from fundamental concepts in the preclinical sciences which have been occupying the student since the beginning of his freshman year. Although in this course a few patients are used for the demonstration of lesions which illustrate the principles of surgery, it is really in the junior year that the first actual contact with patients occurs. Each student then is assigned to a clinical clerkship in the hospital wards and in that way is given an opportunity to study the more common and important kinds of surgical diseases. In the junior year five and one-half weeks (one-half trimester) are spent in the clinical clerkship in the Barnes and St. Louis Children's Hospitals which immediately adjoin the Medical School, and the same length of time at City Hospital No. 1 which is about two and one-half miles away.

1 In Military Service.
2 In Government War Service.
3 July 1 to August 31, 1942.
This division of time has been arranged in order that advantage may be taken of the large amount of traumatic material at the City Hospital. The clinical clerks become familiar with other cases than their own through the daily ward conferences. They are offered the opportunity of seeing all operations and they are encouraged to participate as assistants in practically all of the operations performed upon their patients to whom they have acted as clerks. Although each student will have for personal study a few cases representing the various specialties of surgery the principal instruction is concentrated upon general surgery, especially that sort of case which the general practitioner frequently encounters. Special instruction in history writing, in the examination of the patient and in various diagnostic and therapeutic techniques is given to small groups by the resident and assistant resident house officers. These small groups are in the nature of tutorial classes.

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

Surgical pathology, formerly given in the junior year, has been changed to a senior year course.

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

SECOND YEAR

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

(Dr. Heinbecker)

THIRD YEAR

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

(Drs. Elman, Heinbecker)

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

(Drs. Key, Copher)
32. **Surgical Clinic.** A weekly clinic throughout three trimesters. See course 40. 33 hours. 

(Dr. Graham)

33. **Surgical Conference.** The utilization of physical examination in the diagnosis and interpretation of some of the more common surgical diseases and their underlying nature, illustrated by patients, are discussed. A weekly exercise during three trimesters. 33 hours.

(Dr. Sachs)

34. **Surgeons.** For one trimester the student serves as an assistant in the surgical wards. Half of the surgical group is at the St. Louis City Hospital for a period of five and one-half weeks while the other half is at the Barnes and St. Louis Children's Hospitals. The groups are then changed so that each student's ward service is for a period of eleven weeks. From 10 to 11 a.m. conferences on selected patients are held. General and special surgical cases are discussed by members of the staff. Following this conference the students spend the remainder of the day in the wards of the hospitals. The students take the case histories and make physical examinations and the usual laboratory examinations. They assist at some of the operations and do some of the surgical dressings. The students also attend autopsies performed on the cases studied by them and are required to be present at the weekly pathological conference at which these cases are discussed. The student is encouraged to consult the library frequently in the solution of problems concerning his patients. From 3 to 4 p.m. the resident and assistant residents meet the students in an informal conference at which time various questions that have arisen during the day are discussed and various aspects of the care of the patient considered. Particular effort is made to see that the student comes in contact with the more frequent and important surgical lesions and that the cases assigned him are sufficiently diversified to afford him an accurate perspective of surgery. 231 hours.

(Various members of the staff)

**Fourth Year**

40. **Surgical Clinic.** A weekly exercise throughout four quarters. Patients presenting the more usual general surgical conditions are demonstrated and their diagnostic and therapeutic problems are discussed. Students of the third year also attend this clinic. 32 hours.

(Dr. Graham)

41. **Orthopedics.** Groups of six students are assigned to work in the Orthopedic Outclinic four mornings a week for two weeks. In addition, the entire group of twelve students attends a conference in orthopedic surgery at the Shriners' Hospital for Crippled Children two hours a week for four weeks. 20 hours.

(Drs. Key, Crego and Staff)

42. **Genitourinary Outclinic.** Groups of six students attend the Genitourinary Outclinic two hours a day, four days a week, for two weeks. 16 hours.

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

44. Neurosurgery Outclinic. Groups of six students attend the Neurosurgical Outclinic where patients with ambulatory neurosurgery conditions are demonstrated. 4 hours.

45. Tumor Clinic. Groups of twelve students attend the Tumor Clinic daily for four weeks from 11 until 12 o'clock. The clinic is so arranged that the students see patients with the more common types of cancer. Methods of diagnosis, the fundamentals underlying treatment and the pathology of the condition are discussed. Particular consideration is given to various types of radiation therapy. 20 hours.

46. Ward Work. Twelve students are assigned to the Homer Phillips Hospital (the city hospital for negroes) for four weeks. From 9:30 to 10:30 a.m. clinical conferences are held at which time patients are demonstrated to the group by the student to whom the patient was assigned with discussion by the attending surgeon. Students are assigned patients of whom they take histories and make physical examinations as well as the usual laboratory examinations. The students are permitted to assist at some of the operations and do some of the surgical dressings. Particular attention is paid to acute abdominal diseases, traumatic surgery and fractures. 72 hours.

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

47. 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. 64 hours.

(Drs. Womack, Harbison)

Elective Courses

50. Neurosurgery. Eight lectures in the second quarter of the fourth year. The lectures comprise a review of the anatomy and physiology of the nervous system as applied to neurosurgery and a discussion of the principal conditions encountered in this field.

(Drs. Sachs, Furlow and Staff)

51. Postoperative Care. Eight lectures and demonstrations in the fourth quarter of the fourth year. Both the normal and complicated postoperative developments are discussed.

(Dr. Allen)

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

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

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

55. State Cancer Hospital. Three students to serve as clinical clerks at the State Cancer Hospital, Columbia, Missouri, full time, eight weeks. The duties assigned the student will be the routine duties required of any clinical clerk consisting of both in and outpatient work, particularly related to malignant disease. Application must be made directly to the State Cancer Commission.

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

57. Urology Clerkship in Barnes Hospital. One student, mornings for eight weeks. (Dr. Rose)

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

RADIOLOGY

Professor and Head of Department Sherwood Moore.
Consulting Physicist Hughes.
Associate Professor Larimore.
Physicist Thornton.¹
Assistant Professor Wendell Scott.²
Research Associate Kalckar.
Instructors Zink, Arneson,² Louis Hempelmann, Jr., Lionberger.
Assistant Physicist Langsdorf.
Assistant Bottom.

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

¹ In Government War Service.
² In Military Service.
FOURTH YEAR

TUMOR CLINIC. (See Surgery 45 for description.) One hour a day for four weeks. 32 hours.

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

ELECTIVE COURSE

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

OTOLARYNGOLOGY

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

SECOND YEAR

OTOLARYNGOLOGIC AND PHYSICAL DIAGNOSIS. The class is divided into small groups with individual instructors for a total of six hours for instruction in the methods of Otolaryngological diagnosis and the use of instruments peculiar to this field. Part of Conjoint Medicine (see page 50). (Drs. Walsh, Dean, Jr.)

THIRD YEAR

30. OTOLARYNGOLOGY. Eleven lecture hours given during the third trimester. (Drs. Walsh, Proetz, Lyman)

FOURTH YEAR

40. OTOLARYNGOLOGY. Clinical instruction is given to sections of six for twelve hours a week for two weeks. 24 hours. (Drs. Walsh, Costen, Boemer)

ELECTIVE COURSES

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

1 In Military Service.
OPHTHALMOLOGY

PROFESSOR AND HEAD OF DEPARTMENT LAWRENCE T. POST.

PROFESSORS SHAHAN, WIENER.

ASSOCIATE PROFESSORS WILLIAM F. HARDY, WOODRUFF, M. HAYWARD POST.

ASSISTANT PROFESSORS SCHWARTZ, B. Y. ALVIS, JAMES.

INSTRUCTORS HILDRETH, BEISBARTH, LANGE, CRAWFORD, SANDERS, CALHOUN, MEINBERG.

LECTURER MASON.

ASSISTANTS E. B. ALVIS, ROSENBAUM, JAMES H. BRYAN, HANSEr, SCOBEE, MINDER, ROBERTSON, ROSEHILL, TOLAND, MATTIS.

SECOND YEAR

OPHTHALMOSCOPY. Lectures and demonstrations are given as a part of the course in Conjoint Medicine. 6 hours. (See page 50.)

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

THIRD YEAR

30. OPHTHALMOLOGY. One lecture a week is given in the third trimester. 11 hours.

(Dr. Lawrence Post and Staff)

FOURTH YEAR

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

(Drs. Lawrence Post, M. H. Post, Schwartz, B. Y. Alvis, Beisbarth, Hildreth)

OBSTETRICS AND GYNECOLOGY

PROFESSOR AND HEAD OF DEPARTMENT WILLARD M. ALLEN.

PROFESSORS OTTO H. SCHWARZ, FREDERICK J. TAUSSIG, ROYSTON, T. K. BROWN.

EMERITUS PROFESSOR H. CROSSEN.

ASSISTANT PROFESSORS McNALLEY, O'KEEFE, PADDOCK, KREBS, ROBERT J. CROSSEN, HORBS, WEGNER, DUDLEY R. SMITH, SOULE, ROBLER.

INSTRUCTORS SCHLOSSSTEIN, DRABKIN, LIESE, ARNESON, MCKINNON, DAVIS, ARZT, SCRIVENER, O'NEILL, GIBSON.

ASSISTANTS CANEPA, STEWART, PATTON, WULFF, MAX, WASSERMAN, GIBSON, BORTNICK, HUTTO, ROTHMAN, HUBERT ALLEN, GOETSCHE, KEYS, HAWK, ESSLINGER, VIEAUX.

RESEARCH ASSISTANT HAYWARD.

Students are given practical instruction in obstetrics and gynecology in the St. Louis Maternity Hospital, the Barnes Hospital, the University Clinics, the Homer G. Phillips Hospital and the St. Louis City Hospital. The St. Louis Maternity Hospital provides approximately 900 confinements, the St. Louis City Hospital, 600, the Homer G. Phillips Hospital, 700, and the home delivery service of the University Clinics, 175, annually. On the gynecological divisions there are approximately 400 admissions annually in the Barnes Hospital, 500 in the St. Louis City Hospital and 450 in the Homer G. Phillips Hospital which are available for

1 Died December 15, 1942.
2 In Military Service.
3 July 1 to December 31, 1942.
teaching purposes. Instruction in the care of ambulatory patients is carried out in the University Clinics where about 1,000 new patients are seen and 9,000 follow up visits are made annually.

SECOND YEAR

20. INTRODUCTION TO OBSTETRICS. Part of the course in Conjoint Medicine (see page 50).

THIRD YEAR

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

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

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

FOURTH YEAR

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

41. CLINICAL CLERKSHIPS. One-sixteenth of the class serves as clinical clerks in the University Clinics for a period of two weeks. During this period they spend the day from 9:00 to 12:00 and 1:30 to 4:00. New patients are assigned and after complete history and physical examination has been made each case is reviewed with the student by a member of the staff. Old patients are also seen frequently and ample opportunity is provided for examination of prenatal patients. Students also attend special clinics which are held concurrently with the regular clinic. 61 hours.
   (Dr. Allen and Staff)

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

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

ELECTIVE COURSES

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

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

THE EDWARD MALLINCKRODT DEPARTMENT OF PEDIATRICS

Professor and Head of Department Hartmann.

Professors Cooke, Veeder.

Associate Professors Theodore C. Hempelmann, McCulloch.

Assistant Professor Blattner.


Assistants Lonsway, Bauer, Aff, Wachter, Schwartzman,1 Schwartz, Kuttner, Robinson, Black, Doval, Forbes, Goldring, Love, Salmon, Skinner, V. Lanier.2 Research Assistant Heys.

Dentists Martin, Harris.

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

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

THIRD YEAR

30. Pediatrics. A systematic lecture course in general pediatrics, including occasional clinical demonstrations. Two hours a week for two trimesters and one hour a week for one trimester. 55 hours.

(Drs. Hartmann, Cooke)

---

1 In Military Service.
2 Effective September 15, 1942.
FOURTH YEAR

40. Pediatric Clinic. Weekly amphitheatre demonstrations and discussions of selected cases from the hospital, for the whole class. 32 hours.
(Drs. Hartmann, Cooke, Blattner, Barnett, Cook)

41. Clinical and Pathological Conferences. Weekly conferences, following clinical conferences. See also Pathology 40.

42. Clinical Clerkships. For essentially the entire day, beginning at 9:00 a.m., one-eighth of the class works as clinical clerks for four weeks. This work consists of the following: (1) daily early morning ward rounds with the house staff; (2) work on assigned cases, which may be interrupted for special demonstrations; (3) daily conferences with members of the teaching staff, during which the more important pediatric subjects are stressed; (4) general staff rounds twice weekly, during which students present selected cases which are then discussed by the staff; (5) work in the Outpatient Department of the University Clinics, including the general pediatric clinic and such special clinics as the well-baby clinic and the luetic clinic; (6) work in special metabolic clinic conducted in the hospital proper on Saturday morning; (7) clinical conferences at the St. Louis City Isolation Hospital; (8) special instruction in technic of nose, throat and ear examinations in infants and children by members of the Department of Otolaryngology; (9) special demonstrations in common nursing procedures, which include the preparation of artificial formulae.
(Drs. Hartmann, Cooke, Blattner, Barnett, Jaudon, Zentay, Kubitschek, Schwartz, Cook and Staff)

ELECTIVE COURSES

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

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

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

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

EARL H. PERRY, M.D., Lieutenant Colonel, M. C., U. S. A.

Assistant Professor of Military Science and Tactics

A Medical Unit of the Reserve Officers' Training Corps is maintained. An officer of the Medical Corps of the Regular Army is detailed to the School as instructor. Classes are a part of the regular schedule. The work is divided as follows:

(10 and 20) Basic Course—first and second years.
(30 and 40) Advanced Course—third and fourth years.

Enrollment in both the Basic and Advanced Courses is optional and does not obligate the student to any military duty except to complete the section of the course undertaken.

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

Students enrolled in the Advanced Course receive "Commutation of Subsistence," at the rate prescribed by law, throughout the full two year period.

Upon completion of the course and internship the student will be commissioned a First Lieutenant, Medical Section, Officers' Reserve Corps, or with a certificate of eligibility for such commission.

MISCELLANEOUS COURSES

MEDICAL JURISPRUDENCE. A course given in the fourth year embracing medical evidence and testimony; expert testimony; dying declarations; rights of medical witnesses; establishing identity from living and dead bodies; sudden death from natural causes and by violence; criminal acts determined by medical knowledge; the legal relation of physician to patients and the public; insanity, and malpractice. 11 hours.

(Mr. Crowdus)

ELECTIVE COURSE

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

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

Courses 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.

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.

1This course will not be offered for the duration of the war.
DOCTOR OF MEDICINE

NAME — INTERNSHIP

Anderson, William Morris, B.S.—Department of Pathology, Washington University, St. Louis, Missouri.

Ascher, Eduard, B.S.—St. Louis City Hospital, St. Louis, Missouri.

Austin, Dean Charles, A.B.—Duval County Hospital, Jacksonville, Florida.

Beird, Harry Haynes, A.B.—Barnes Hospital, St. Louis, Missouri.


Blumenthal, Herman Theodore, B.S., M.S., Ph.D.—Jewish Hospital of St. Louis, St. Louis, Missouri.

Breisler, Bernard, A.B.—St. Louis City Hospital, St. Louis, Missouri.

Brickhouse, Robert Lee, A.B., B.S. (cum laude)—New York Hospital, New York, New York City.

Brindley, Hanes Hanby, B.S.—Charity Hospital of Louisiana, New Orleans, Louisiana.

Brown, Frank Augustus, Jr., A.B.—Cincinnati General Hospital, Cincinnati, Ohio.


Busse, Ewald William, A.B.—St. Louis City Hospital, St. Louis, Missouri.

Callaway, Claude Parham (cum laude)—Mallory Institute, Boston City Hospital, Boston, Massachusetts.

Cason, Elbert Henry, A.B.—St. Louis City Hospital, St. Louis, Missouri.

Christensen, Jerome Jenson, A.B.—Iowa University Hospitals, Iowa City, Iowa.

Crenshaw, James Faulkner, B.S.—St. Louis City Hospital, St. Louis, Missouri.

Daman, Argoel Albert, A.B., B.S.—St. Louis City Hospital, St. Louis, Missouri.

Davis, William Joseph, B.S.—St. Louis Children’s Hospital, St. Louis, Missouri.

Devereux, Edwin Ewing, A.B.—San Francisco City and County Hospital, San Francisco, California.

Eck, Birke, A.B.—St. Luke’s Hospital, St. Louis, Missouri.

Ellis, Samuel Teel, Jr., A.B., B.S.—Kansas City General Hospital, Kansas City, Missouri.

Eytinge, Ernest Joseph, A.B.—Long Island College Hospital, Brooklyn, New York.

Foote, Burton Alexander, B.S.—The Swedish Hospital, Seattle, Washington.

Freder, Herbert William, A.B., B.S.—St. Luke’s Hospital, St. Louis, Missouri.

Giel, Melvin Isaac, A.B. (cum laude)—University of California Hospitals, San Francisco, California.

Harell, Alex Deaconess Hospital, Spokane, Washington.

Herdener, Russell Louis, B.S.—St. Louis County Hospital, Clayton, Missouri.

Herrmann, Arnold John, B.S.—St. Louis City Hospital, St. Louis, Missouri.

Herz, James Rudolph, A.B.—St. Luke’s Hospital, St. Louis, Missouri.

Huguley, Charles Mason, Jr., A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.


Jones, Asa Charles, Jr., A.B.—Kansas City General Hospital, Kansas City, Missouri.

Jones, Edward Henry, Jr., A.B.—Union Memorial Hospital, Baltimore, Maryland.


Keller, Frank Goulding, B.S.—St. Louis City Hospital, St. Louis, Missouri.

Klinge, Frederick William, A.B.—Barnes Hospital, St. Louis, Missouri.

Kotner, Frank Alfred, A.B.—Jewish Hospital of St. Louis, St. Louis, Missouri.

Kraft, Edward Otto, Jr.—Barnes Hospital, St. Louis, Missouri.

Kreiss, Caroline Georgerine, A.B.—University of California Hospitals, San Francisco, California.


Lockhart, Charles Ellsworth, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.

Loquvam, George Sheridan, B.S.—St. Louis County Hospital, Clayton, Missouri.

Love, Frances Marshall, A.B. (cum laude)—St. Louis Children’s Hospital, St. Louis, Missouri.

Madonia, Angelo Joseph, A.B.—Highland Hospital, Rochester, New York.

Martz, John Charles, A.B.—Research and Educational Hospital, Chicago, Illinois.
McAfee, Chester Alan, B.S.—St. Louis City Hospital, St. Louis, Missouri
McCain, French Howell, B.S.—University Hospitals of Cleveland, Cleveland, Ohio
McCorkle, Elbert Lee, A.B.—Research Hospital, Kansas City, Missouri
Meamber, Donald Lester, A.B.—San Francisco City and County Hospital, San Francisco, California
Melgaard, Sven Ross, B.S.—St. Louis City Hospital, St. Louis, Missouri
Mihelich, Lewis, B.S., M.S.—St. Louis City Hospital, St. Louis, Missouri
Mills, Warren Benjamin, B.S.—Barnes Hospital, St. Louis, Missouri
Moore, Donald Mahaney, B.S.—Salt Lake General Hospital, Salt Lake City, Utah
Mueller, Charles Barter, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri
Neeves, Jackson CoII, A.B.—Department of Pathology, Washington University, St. Louis, Missouri
Peek, Chester Roehl, Jr., A.B., B.S.—St. Luke's Hospital, St. Louis, Missouri
Pillsbury, Ruth Merrill, A.B.—Children's Memorial Hospital, Montreal, Canada
Ponka, Joseph Luke, A.B., B.S.—Henry Ford Hospital, Detroit, Michigan
Preson, Richard Amussen, B.S.—St. Louis County Hospital, Clayton, Missouri
Ransom, Dow Harvey, Jr., A.B.—Stanford University Hospital, San Francisco, California
Ray, James Clark, A.B.—Union Memorial Hospital, Baltimore, Maryland
Reese, William George, B.S., M.S.—Barnes Hospital, St. Louis, Missouri
Reilier, Helen Clarissa, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri
Rice, Herman, A.B.—Mount Sinai Hospital, Cleveland, Ohio
Royce, Robert Killian, B.S.—Department of Anatomy, Washington University, St. Louis, Missouri
Rubel, Joseph Leo, A.B.—St. Louis City Hospital, St. Louis, Missouri
Schneider, Eidee Lewis—King County Hospital, Seattle, Washington
Shahan, Philip Truman, A.B. (cum laude)—New York Hospital, New York, N. Y.
Shobe, Frank Oscar, A.B.—St. Luke's Hospital, St. Louis, Missouri
Shoalter, John Ralph, Jr., A.B.—St. Louis City Hospital, St. Louis, Missouri
Slaughter, John Mcdory, B.S.—Union Memorial Hospital, Baltimore, Maryland
Stillerman, Hyman Bernard, B.S., M.S.—Barnes Hospital, St. Louis, Missouri
Storts, Robert Benjamin—General Hospital of Fresno County, Fresno, California
Sutherland, Earl Wilbur, Jr., B.S. (cum laude)—Barnes Hospital, St. Louis, Missouri
Sweetman, Homer Allen, B.S.—St. Louis City Hospital, St. Louis, Missouri
Tillman, Walter Williams, Jr.—St. Luke's Hospital, St. Louis, Missouri
Tongen, Lyle Aaron, B.S.—University of Minnesota Hospitals, Minneapolis, Minnesota
Turner, Glenn Oliver, A.B., B.S.—Barnes Hospital, St. Louis, Missouri
Utterback, Manly, A.B., B.S.—St. Louis City Hospital, St. Louis, Missouri
Watkins, George Linn, A.B.—St. Louis City Hospital, St. Louis, Missouri
Wear, Thomas Ralph, A.B.—Employees' Hospital of the Tennessee Coal, Iron and Railroad Co., FairfieId, Alabama
Weaver, Jack Dorsey, A.B.—St. Francis Hospital, Wichita, Kansas
White, Abraham George, B.S.—Jewish Hospital of Brooklyn, Brooklyn, New York
Withee, Martin Sanford, A.B. (cum laude)—St. Louis Children's Hospital, St. Louis, Missouri

**BACHELOR OF SCIENCE IN MEDICAL SCIENCE**

<table>
<thead>
<tr>
<th>NAME</th>
<th>ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ascher, Eduard</td>
<td>St. Louis, Missouri</td>
</tr>
<tr>
<td>Brandley, Hanes Hanby</td>
<td>Temple, Texas</td>
</tr>
<tr>
<td>Neavles, Jackson CoII</td>
<td>Webster Groves, Missouri</td>
</tr>
</tbody>
</table>

Total, 3
PRIZES AWARDED AT COMMENCEMENT
June 9, 1942

GILL PRIZE IN ANATOMY
David Wilson Talmage, B.S.

GILL PRIZE IN PEDIATRICS
William J. Davis, B.S.
Frances Marshall Love, A.B.

ALEXANDER BERG PRIZE IN Bacteriology
Harry James Lawler, B.S., D.Sc.

ALPHA OMEGA ALPHA RESEARCH Prize
Royal Lee Brown, A.B., A.M.

HOWARD A. McCORDOCK BOOK Prize
James Griffith Owen, B.S.

Nu Sigma Nu Awards
Edwin Gerhard Krebs, A.B.
David Wilson Talmage, B.S.

ALUMNI SCHOLARSHIP
Donald Huelsmann, A.B.

Jackson Johnson Scholars — 1942-43
Parker Reynolds Beamer, A.B., M.S., Ph.D.
Grace Elizabeth Bergner, A.B.
Edward Hardin Dunn, A.B.
Ernest Frank Everett, Jr., A.B.
Albert Earl Hensel, Jr., A.B.
Richard Arthur Jones, A.B.
Edwin Krebs, A.B.
Robert Dale Lange, A.B.
Harry James Lawler, B.S., D.Sc.
Clayton Hunter Manry, A.B.
Harl Wood Matheson, B.S.
Allyn Jay McDowell, B.S.
Kent McQueen, B.S.
James Griffith Owen, B.S.
Edwin Fletcher Price, Jr., A.B.
James Allan Read, A.B.
Leonard Walter Ritzmann, A.B.
Ernest Tuttle Rouse, B.S.
Clarence Earl Rupe, A.B.
David Wilson Talmage, B.S.
Gordon Musgrove Todd, B.S.
## ROSTER OF STUDENTS

### FOURTH YEAR CLASS

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>University/College</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anderson, DeWayne</td>
<td>B.S.</td>
<td>Iowa State Coll.</td>
<td>Stanhope, Iowa</td>
</tr>
<tr>
<td>Anthony, Dallas Dean</td>
<td>B.S., Drury Coll.</td>
<td>'39-40</td>
<td>Springfield, Mo.</td>
</tr>
<tr>
<td>Ashley, Hugh Vincent</td>
<td>Jr., A.B.</td>
<td>Univ. of Mo.</td>
<td>Cape Girardeau, Mo.</td>
</tr>
<tr>
<td>Aufer Heide, George</td>
<td>Russell, A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Balken, John Bruce</td>
<td>A.B., Univ. of Utah</td>
<td>'39-Salt Lake City, Utah.</td>
<td></td>
</tr>
<tr>
<td>Barrett, Elmer LeVee</td>
<td>A.B.</td>
<td>Univ. of Utah</td>
<td>'40-Salt Lake City, Utah.</td>
</tr>
<tr>
<td>Beamer, Parker</td>
<td>Reynolds, A.B.</td>
<td>Univ. of Ill.</td>
<td>'35-M.S., Univ. of Ill.</td>
</tr>
<tr>
<td>Bergner, Grace</td>
<td>Elizabeth, A.B.</td>
<td>Washington Univ.</td>
<td>'29-St. Louis, Mo.</td>
</tr>
<tr>
<td>Best, Robert</td>
<td>Bruce</td>
<td>Paris, Ill.</td>
<td></td>
</tr>
<tr>
<td>Birrer, Frank Hineck</td>
<td>A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Bowensox, Warren</td>
<td>Ashley, A.B.</td>
<td>Municipal Univ. of Wichita</td>
<td>'39-Wichita, Kans.</td>
</tr>
<tr>
<td>Boyle, Jean Reneecca</td>
<td>B.S., Univ. of Wash.</td>
<td>'38-M.S., Univ. of Wash.</td>
<td></td>
</tr>
<tr>
<td>Cadam, Ewan Frederick</td>
<td>Braithwaite</td>
<td>Southport, England</td>
<td></td>
</tr>
<tr>
<td>Callihan, William</td>
<td>Paul, Jr., B.S.</td>
<td>Univ. of Notre Dame</td>
<td>'39-Wichita, Kans.</td>
</tr>
<tr>
<td>Case, Dorothy</td>
<td>Mildred</td>
<td>Univ. of Wash.</td>
<td></td>
</tr>
<tr>
<td>Cataon, William</td>
<td>Leroy, Jr., B.S.</td>
<td>Spring Hill Coll.</td>
<td>'39-Mobile, Ala.</td>
</tr>
<tr>
<td>Charnas, Raymond</td>
<td>Meyer, A.B.</td>
<td>Washington Univ.</td>
<td>'29-Brooklyn, N.Y.</td>
</tr>
<tr>
<td>Cockrell, John</td>
<td>Lloyd, Jr., A.B.</td>
<td>Univ. of Mo.</td>
<td>'39-B.S., Univ. of Mo.</td>
</tr>
<tr>
<td>Conlin, Gerald</td>
<td>John, Jr.</td>
<td>Blackfoot, Idaho</td>
<td></td>
</tr>
<tr>
<td>Daley, Frank Russell</td>
<td>A.B.</td>
<td>Univ. of Mo.</td>
<td>'40-B.S., Univ. of Mo.</td>
</tr>
<tr>
<td>Deck, Melvin</td>
<td>Denver, A.B.</td>
<td>Univ. of Utah</td>
<td>'37-Provo, Utah</td>
</tr>
<tr>
<td>Dunn, Edward</td>
<td>Hardin, A.B.</td>
<td>Ohio Univ.</td>
<td>'35-Fortworth, Va.</td>
</tr>
<tr>
<td>Ellis, Francis</td>
<td>Jerome, A.B.</td>
<td>Univ. of Mo.</td>
<td>'39-B.S., Univ. of Mo.</td>
</tr>
<tr>
<td>Ewing, Nathaniel</td>
<td>Du Kate, A.B.</td>
<td>Duke Univ.</td>
<td>'37-Vincennes, Ind.</td>
</tr>
<tr>
<td>Furgalton, Wilma</td>
<td>Rose, A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Feldman, David</td>
<td>St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Furringer, Harlan</td>
<td>Irwin, A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Fisher, Don Lyon</td>
<td>B.S.</td>
<td>Univ. of Utah</td>
<td>'40-Bountiful, Utah</td>
</tr>
<tr>
<td>Freeman, David</td>
<td>Merrill, A.B.</td>
<td>Univ. of Mo.</td>
<td>'40-B.S., Univ. of Mo.</td>
</tr>
<tr>
<td>Fulenwider, Charles</td>
<td>Glendenning, B.S.</td>
<td>Univ. of Okla.</td>
<td>'38-Muskogee, Okla.</td>
</tr>
<tr>
<td>Goldman, Melvin</td>
<td>Leonardi, A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Gundle, Sigmund</td>
<td>St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harding, Herbert</td>
<td>Casgell, B.S.</td>
<td>Fort Hays, Kans.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Holt, James</td>
<td>Homer, A.B.</td>
<td>Western Reserve Univ.</td>
<td>'38-Wichita, Kans.</td>
</tr>
<tr>
<td>Kohler, Robert</td>
<td>Earl, Jr., Stuttgart, Ark.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kahn, Stanley</td>
<td>Samuel, A.B.</td>
<td>Univ. of Arizona</td>
<td>'39-Gadsden, Ala.</td>
</tr>
<tr>
<td>Klingberg, William</td>
<td>Gene, A.B.</td>
<td>Municipal Univ. of Wichita</td>
<td>'38-Wichita, Kans.</td>
</tr>
<tr>
<td>Knezmekof, Leonard</td>
<td>A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Koch, Frederick</td>
<td>William, Jr., A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Koch, Fremont</td>
<td>Pershing, A.B.</td>
<td>Dartmouth Coll.</td>
<td>'40-San Diego, Calif.</td>
</tr>
<tr>
<td>Lawrence, Forrest</td>
<td>Clifton, B.S.</td>
<td>Univ. of Mo.</td>
<td>'41-Sprinfield, Mo.</td>
</tr>
<tr>
<td>Layton, Ira Clare</td>
<td>A.B., Univ. of Kans.</td>
<td>'29-Kansas City, Mo.</td>
<td></td>
</tr>
<tr>
<td>Leibner, Ira</td>
<td>Wallace, A.B.</td>
<td>Univ. of Wis.</td>
<td>'39-Brooklyn, N.Y.</td>
</tr>
<tr>
<td>Lemone, Albert</td>
<td>Napoleon, Jr., A.B.</td>
<td>Univ. of Kans.</td>
<td>'29-Kansas City, Mo.</td>
</tr>
<tr>
<td>Lippert, Stuart</td>
<td>Peter, A.B.</td>
<td>Ill. Coll.</td>
<td>'28-Pl. Sam Houston, Texas.</td>
</tr>
<tr>
<td>Masunaga, Eichi</td>
<td>B.S.</td>
<td>Univ. of Hawaii</td>
<td>'27-Lanai, Hawaii.</td>
</tr>
<tr>
<td>Mattick, Irvin</td>
<td>Hertter, A.B.</td>
<td>Washington Univ.</td>
<td>'40-St. Louis, Mo.</td>
</tr>
<tr>
<td>Mayfield, James</td>
<td>Logan, A.B.</td>
<td>Westminster Coll.</td>
<td>'29-Crystal City, Mo.</td>
</tr>
<tr>
<td>McDowell, Allyn</td>
<td>Jay, B.S.</td>
<td>Drury Coll.</td>
<td>'39-Sprinfield, Mo.</td>
</tr>
<tr>
<td>McKenite, Jack</td>
<td>Purman, B.S.</td>
<td>Texas A. and M. Coll.</td>
<td>'38-Bryan, Texas</td>
</tr>
<tr>
<td>McQueen, Kent</td>
<td>B.S., Univ. of Idaho</td>
<td>'38-Preston, Idaho</td>
<td></td>
</tr>
<tr>
<td>Miller, Elmer</td>
<td>Bowman, A.B.</td>
<td>Washington Univ.</td>
<td>'39-St. Louis, Mo.</td>
</tr>
<tr>
<td>Miller, James</td>
<td>Augustus, A.B.</td>
<td>Whitman Coll.</td>
<td>'38-Colfax, Wash.</td>
</tr>
<tr>
<td>Nancy, Alva Paul</td>
<td>Jr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neale, Gerald</td>
<td>John Matthew</td>
<td>University of Iowa</td>
<td>'38-St. Louis, Mo.</td>
</tr>
</tbody>
</table>
Odell, Richard Thomas, A.B., Westminster Coll., '35; B.S., Univ. of Mo., '41—Jefferson City, Mo.
O'Hea, Matthew Arthur—Wishaw, Scotland.
Pappenfort, Roberts Bernhardt, Jr., A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '41—Murphysboro, Ill.
Petry, James Louis, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '41—Columbia, Mo.
Quinn, Denis Callister, A.B., Univ. of Utah, '40—Salt Lake City, Utah.
Rose, Leslie William, Jr., B.S., Univ. of N. C, '39—Roanoke, N. C.
Rosenstein, Ernest Simon, A.B., Pacific Coll., '38—San Francisco, Calif.
Rupp, Edson Coldren, Jr., A.B., Denison Univ., '38—Granville, Ohio.
Schwartz, Ernest A., Univ. of Calif., '38; M.A., Univ. of Calif., '39—San Francisco, Calif.
Schweitzer, Fred Carl, Jr., B.S., Drury Coll., '39—Springfield, Mo.
Smolich, Henry Adolph, Jr., A.B., Washington Univ., '39—St. Louis, Mo.
Smith, Ralph Jackson, B.S., Birmingham-Southern Coll., '38—Birmingham, Ala.
Snyder, Edward Nicholas, A.B., Univ. of Southern Calif., '39—West Los Angeles, Calif.
Stauss, Hans-Karl, A.B., Univ. of Wis., '39; B.S., Univ. of Wis., '40—Port Gibson, Miss.
Tabankin, Alvin Jacob, B.S., Coll. of William and Mary, '39—Newark, N. J.
Thurloe, Alfred Amos, Jr., A.B., Pomona Coll., '39—Santa Rosa, Calif.
Todd, Gordon Musgrove, B.S., State Coll. of Wash., '39—Pullman, Wash.
Turbeville, Fred Morton, A.B., Univ. of Alabama, '37—Birmingham, Ala.
Uhlemeyer, Henry Adolph, Jr., A.B., Washington University, '38—St. Louis, Mo.
Watkins, Carlton Gunter, A.B., Univ. of N. C, '39—Wilmington, N. C.
Wheeler, Raymond Miller—Sanford, N. C.
Williams, Kymal Graf, A.B., Univ. of Utah, '40—Cedar City, Utah.
Wise, Robert James, A.B., Washington Univ., '39—St. Louis, Mo.
Witt, Clyde Max, A.B., Central Coll., '38; B.S., Univ. of Mo., '41—St. Joseph, Mo.
Woodbridge, Wilfred Erwin, B.S., Drury Coll., '39—Springfield, Mo.

THIRD YEAR CLASS

Alex, Morris, B. S., Univ. of Mo., '42—St. Joseph, Mo.
Alford, Almond Wade, A.B., Univ. of Ala., '40—Winfield, Ala.
Allen, Jerry Harry, A.B., Univ. of N. C, '38; M.A., Univ. of N. C., '40—Reidsville, N. C.
Allred, H. Lawrence, A.B., Fresno State Coll., '40—Madera, Calif.
Alsop, Webb Strange, Jr., A.B., Univ. of Mo., '38; B.S., Univ. of Mo., '42—New Franklin, Mo.
Black, John Paul Myles, B.S., Univ. of N. M., '40—Carlsbad, N. M.
Blinn, John Ferguson, Jr., A.B., Coll. of the Pacific, '40—Stockton, Calif.
Boles, Clifford Read, A.B., Washington Univ., '40—University City, Mo.
Chappell, Frances May, A.B., Washington Univ., '40—St. Louis, Mo.
Chay, Joseph Baker, A.B., San Diego St. Coll., '40—La Mesa, Calif.
Cook, Frederick Milton, B.A., Univ. of Miss., '36; B.S., Univ. of Miss., '38—Clarksdale, Miss.
Costner, Alfred Nixon, B.S., Univ. of N. C, '40—Lincoln, N. C.
Covington, Terrell, Jr., A.B., Washington University, '40—Muskogee, Okla.
Craven, James Hewitt, B.S., Univ. of Ill., '31—Collinwood, Ill.
Czebrinski, Edward Walter, A.B., Washington Univ., '40—St. Louis, Mo.
DeBold, Conrad, A.B., Park Coll., '41—New York, N. Y.
Donlevy, Leo Francis, Jr., A.B., Univ. of Dayton, '40—St. Louis, Mo.
Dwyer, Frank Xavier, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42—Kansas City, Mo.
Eisenhaure, John Herman, A.B., St. Coll. of Wash., '40—Post Falls, Idaho.
Engleman, Reinhold, B.S., Ind. St. Teachers Coll., '40—St. Louis, Mo.
Erickson, William Gardner, B.S., Northwestern Univ., '40—Danville, Ill.
Finsten, Herman Ludwig, B.S., Univ. of N. Dakota, '42; B.A., Univ. of N. D., '40; B.S., Univ. of N. D., '31; M.S., Univ. of N. D., '32—Grand Forks, N. D.
Fukushima, Yasuyuki, B.S., Washington Univ., '40—Wahiawa, Oahu, Hawaii.
Geppert, Joseph Walter, A.B., Univ. of S. D., '38—Vermillion, S. D.
Goldfarb, Alvin, A.B., Washington Univ., '40—St. Louis, Mo.
Gottsehalk, Louis August, A.B., Washington Univ., '40—St. Louis, Mo.
Graham, David Tredway, A.B., Princeton Univ., '38; M.A., Yale Univ., '41—St. Louis, Mo.
Grant, Harold M., A.B., Washington Univ., '40—Bronx, N. Y.
Greenwood, Ben Samuel, B.S., Univ. of Ill., '39—Champaign, Ill.
Haddock, James Nelson, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42—Cape Girardeau, Mo.
Hewitt, Archie Lee—Maplewood, Mo.
Hewitt, Helen, A.B., Washington Univ., '40—St. Louis, Mo.
Hodges, William Wilson, A.B., Univ. of Ala., '40—Pascagoula, Ala.
Ingram, John Samuel, A.B., Univ. of Ore., '40—Pendleton, Ore.
Jones, William Hammond, A.B., Univ. of Miss., '36; B.S., Univ. of Miss., '42—Funkhouser, Ala.
Kettenbach, Edward Leland, B.S., Univ. of Ariz., '40—Tucson, Ariz.
Keeney, Ivan Floyd, A.B., Univ. of Ala., '40—Jackson, Ala.
Kennedy, Walter James, A.B., Univ. of Mo., '39; B.S., Univ. of Mo., '42—Sedalia, Mo.
Kettenbach, Edward Leland, B.S., Univ. of Ariz., '40—Tucson, Ariz.
Kingsbacher, Elaine Dryfoos, A.B., Univ. of Calif. at Los Angeles, '40—Pasadena, Calif.
Kowert, Edward Harry, A.B., Washington Univ., '40—St. Louis, Mo.
Kreb, David Evans, A.B., Washington Univ., '40—Sioux City, Iowa.
Kreb, Edwin Gerhard, A.B., Univ. of Ill., '40—Greenville, Ill.
Krems, Abraham David, B.S., Univ. of Wash., '37; Ph.D., Univ. of Wash., '40—Seattle, Wash.
Larsen, Boyd Joseph, A.B., Brigham Young Univ., '40—Lehi, Utah.
Lawler, Harry James, B.S., Univ. of Ill., '36; B.Sc., Johns Hopkins Univ., '40—Chicago, Ill.
Lichtwardt, Harry Edward, A.B., Oberlin Coll., '40—Rio de Janeiro, Brazil.
Luikart, Ralph Herbert, Jr., A.B., Grinnell Coll., '40—Omaha, Nebr.
Lyda, Wood, B.S., Univ. of Wash., '40—Seattle, Wash.
McKee, Howard Pratt, B.S., Northwestern Univ., '40—Oak Park, Ill.
Matheson, Harl Wood, B.S., Univ. of Ill., '40—Neponset, Ill.
McElroy, Glenn Leslie, A.B., Central Coll., '40—New Franklin, Mo.
Meisenheimer, Martin Peter—Oak Park, Ill.
Meyn, Margaret F. Boyd, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42—Mt. Vernon, Mo.
Middletown, William Harry, A.B., Oberlin Coll., '40—Alton, Ill.
Morrison, Andrew Maurice, A.B., Washington and Lee Univ., '40—St. Louis, Mo.
Mundy, Stanley Wayne—Vandalia, Ill.
Motley, Cornelius Ellis, A.B., Univ. of Mo., '33; M.A., Univ. of Mo., '37; B.S., Univ. of Mo., '40—Columbia, Mo.
Mundy, Carroll Francis, B.S., Northwestern Univ., '40—St. Joseph, Mo.
Nels, Julius Karl, A.B., Reed Coll., '40—Portland, Ore.
Olensky, Samuel, B.S., Manchester Coll., '41—Manchester, Eng.
Owen, Morris Griffith, B.S., Monmouth Coll., '40—Monmouth, Ill.
Parker, Harold Graham, B.S., Univ. of Mo., '42—Kansas City, Mo.
Pratt, Alsey Clements, Jr., A.B., Univ. of Ala., '40—Center ville, Ala.
Quinn, James Henry—Independence, Mo.
Ramsdell, Stuart Talmage, A.B., Univ. of Mo., '40; B.S., Univ. of South Dakota, '42—Pine Creek, S. D.
Ray, Weldon Arnold, A.B., Univ. of Ala., '33—Tuscaloosa, Ala.
Reese, Dorothy, A.B., Valparaiso Univ., '40—Concordia, Mo.
Rohlfing, Walter Alfred, Jr., A.B., Washington Univ., '40—St. Louis, Mo.
Rose, Ira Woodall, Jr., B.S., Davidson Coll., '42—Rocky Mount, N. C.
Schaefer, George Edward, A.B., Municipal Univ. of Wichita, '40—Wichita, Kans.
Schroeder, James Louis, Jr., A.B., Univ. of Utah, '38—Salt Lake City, Utah.
<table>
<thead>
<tr>
<th>Name</th>
<th>College/Country</th>
<th>Degree</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shatz, Burton Albert</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Silverman, Saul Don</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Clayton, Mo.</td>
</tr>
<tr>
<td>Sledge, Richard</td>
<td>Univ. of Ore.</td>
<td>B.A.</td>
<td>Salt Lake City, Ut.</td>
</tr>
<tr>
<td>Smith, Donald Eugene</td>
<td>Univ. of Utah</td>
<td>A.B.</td>
<td>Salt Lake City, Ut.</td>
</tr>
<tr>
<td>Smilow, Harold Leroy</td>
<td>El Portal, Calif.</td>
<td>B.S.</td>
<td>Peoria, Ill.</td>
</tr>
<tr>
<td>Spangler, Lucille Audrey</td>
<td>Univ. of Wis.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Spillane, Richard Judd</td>
<td>Dartmouth Coll.</td>
<td>B.A.</td>
<td>Bloomfield, Conn.</td>
</tr>
<tr>
<td>Stadler, David Allan</td>
<td>Fresno St. Coll.</td>
<td>A.B.</td>
<td>San Francisco, Calif.</td>
</tr>
<tr>
<td>Stauffer, Tom Goodman</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Sudler, Albert Felix</td>
<td>Univ. of Mo.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Sullivan, Daniel Francis</td>
<td>East St. Louis, Ill.</td>
<td>B.A.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Swift, Robert</td>
<td>Univ. of Calif.</td>
<td>A.B.</td>
<td>San Francisco, Calif.</td>
</tr>
<tr>
<td>Tagge, James Fredrick</td>
<td>Univ. of Okla.</td>
<td>A.B.</td>
<td>Enid, Okla.</td>
</tr>
<tr>
<td>Thorn, Wiley Kellett</td>
<td>William Jewell Coll.</td>
<td>B.A.</td>
<td>Mountain Grove, Mo.</td>
</tr>
<tr>
<td>Tichenor, Robert W.</td>
<td>St. Louis Coll. of Pharm.</td>
<td>B.S.</td>
<td>Sappington, Mo.</td>
</tr>
<tr>
<td>Tegart, Russell J.</td>
<td>Univ. of Idaho</td>
<td>B.S.</td>
<td>Soda Springs, Idaho</td>
</tr>
<tr>
<td>Truelblood, Alva Cooper</td>
<td>A.B. Washington Univ.</td>
<td>B.A.</td>
<td>Webster Groves, Mo.</td>
</tr>
<tr>
<td>Watters, Harold Eugene</td>
<td>A.B. Stanford Univ.</td>
<td>B.S.</td>
<td>San Jose, Calif.</td>
</tr>
<tr>
<td>Welborn, William Singleton</td>
<td>B.S. Univ. of Mo.</td>
<td>B.S.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Westcott, Robert Jean</td>
<td>A.B. Univ. of Mo.</td>
<td>B.A.</td>
<td>Knox City, Mo.</td>
</tr>
<tr>
<td>Wieand, Herbert Charles</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Wilson, John Alfred</td>
<td>Knox Coll.</td>
<td>A.B.</td>
<td>Pekin, Ill.</td>
</tr>
<tr>
<td>Word, Alexander</td>
<td>Univ. of Utah</td>
<td>A.B.</td>
<td>Salt Lake City, Ut.</td>
</tr>
<tr>
<td>Young, Lafayette</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Palmyra, Mo.</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECOND YEAR CLASS**

<table>
<thead>
<tr>
<th>Name</th>
<th>College/Country</th>
<th>Degree</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armstrong, Bruce Wendel</td>
<td>Mont. St. Univ.</td>
<td>B.A.</td>
<td>Saco, Mont.</td>
</tr>
<tr>
<td>Bercu, Bernard Aran</td>
<td>St. Louis, Mo.</td>
<td>B.A.</td>
<td></td>
</tr>
<tr>
<td>Birenboim, Irvin Myron</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Kansas City, Mo.</td>
</tr>
<tr>
<td>Bisbee, Rowe Farnsworth</td>
<td>Los Angeles, Calif.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulloit, Albert Abbot</td>
<td>B.S. Northwestern Univ.</td>
<td>B.S.</td>
<td>Milwaukee, Wis.</td>
</tr>
<tr>
<td>Callaway, Guy D.</td>
<td>Springfield, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cassell, William Joseph</td>
<td>Univ. of Ill.</td>
<td>B.S.</td>
<td>Chicago, Ill.</td>
</tr>
<tr>
<td>Dehlinger, Klaus Rene</td>
<td>Emporium, Pa.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deering, Robert William</td>
<td>Knox Coll.</td>
<td>A.B.</td>
<td></td>
</tr>
<tr>
<td>Doherty, Dale Donald</td>
<td>Ore. St. Coll.</td>
<td>B.S.</td>
<td>Freewater, Ore.</td>
</tr>
<tr>
<td>Donaldson, Robert Clifton</td>
<td>Univ. of Mo.</td>
<td>A.B.</td>
<td>Sheldon, Mo.</td>
</tr>
<tr>
<td>Draper, Frank A.</td>
<td>Central Coll.</td>
<td>A.B.</td>
<td>Central, Mo.</td>
</tr>
<tr>
<td>Eisenstein, Albert Bernard</td>
<td>Univ. of Mo.</td>
<td>A.B.</td>
<td>Donlphon, Mo.</td>
</tr>
<tr>
<td>Fargotstein, Ralph</td>
<td>Univ. of Pittsburg.</td>
<td>B.S.</td>
<td>Pittsburgh, Pa.</td>
</tr>
<tr>
<td>Fee, Wesley Street</td>
<td>Univ. of Ariz.</td>
<td>A.B.</td>
<td>Tucson, Ariz.</td>
</tr>
<tr>
<td>Frost, Jack Keith</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Jackson ville, Ill.</td>
</tr>
<tr>
<td>Gallagher, Joseph Charles</td>
<td>Univ. of Toledo.</td>
<td>B.S.</td>
<td>Roanoke, Va.</td>
</tr>
<tr>
<td>Greenberg, Irving Melbourne</td>
<td>A.B. Hofstra Coll.</td>
<td>B.A.</td>
<td></td>
</tr>
<tr>
<td>Haber, Jean Carol</td>
<td>Stanford Univ.</td>
<td>A.B.</td>
<td>San Francisco, Calif.</td>
</tr>
<tr>
<td>Hanson, Robert Harold</td>
<td>Univ. of Calif.</td>
<td>A.B.</td>
<td>San Francisco, Calif.</td>
</tr>
<tr>
<td>Henry, James Parthing</td>
<td>E. St. Louis, Ill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hensel, Albert Earl</td>
<td>Univ. of Mo.</td>
<td>A.B.</td>
<td>Carthage, Mo.</td>
</tr>
<tr>
<td>Hodge, Robert Henry</td>
<td>Northern Kansas City.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hurder, William Paul</td>
<td>Evansville, Ind.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jones, Reed Walton</td>
<td>Univ. of Ark.</td>
<td>A.B.</td>
<td>Whiteville, Ark.</td>
</tr>
<tr>
<td>Kemptinsky, Warren Hamilton</td>
<td>Univ. of Wash.</td>
<td>B.S.</td>
<td>Seattle, Wash.</td>
</tr>
<tr>
<td>Lange, Robert Dale</td>
<td>A.B. Macalester Coll.</td>
<td>B.S.</td>
<td>Hollack, Minn.</td>
</tr>
<tr>
<td>Levine, Ervan Lester</td>
<td>A.B. Washington Univ.</td>
<td>A.B.</td>
<td>Suffern, N. Y.</td>
</tr>
<tr>
<td>Lynch, Patrick Allen</td>
<td>Omaha, Neb.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>McCann, Charles Harold</td>
<td>Westminster Coll.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
</tr>
<tr>
<td>Marshall, Homer Clayton</td>
<td>Univ. of Colo.</td>
<td>A.B.</td>
<td>Longmont, Colo.</td>
</tr>
<tr>
<td>Mason, Edward Allen</td>
<td>A.B. Washington Univ.</td>
<td>A.B.</td>
<td>Orange, N. J.</td>
</tr>
<tr>
<td>McQue, Alexander</td>
<td>Berkeley, Calif.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loeb, Virgil Jr.</td>
<td>St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maney, Clayton Huntler</td>
<td>A.B. Univ. of Mich.</td>
<td>A.B.</td>
<td></td>
</tr>
<tr>
<td>Marshall, Homer Clayton</td>
<td>A.B. Univ. of Colo.</td>
<td>A.B.</td>
<td>Longmont, Colo.</td>
</tr>
<tr>
<td>McCann, Charles Harold</td>
<td>A.B. Westminster Coll.</td>
<td>A.B.</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>University/College</td>
<td>City/State</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------------------------------------</td>
<td>---------------------------------</td>
<td></td>
</tr>
<tr>
<td>Miller, Don Edward</td>
<td>Wichita, Kans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mills, Mary Alexander</td>
<td>A.B., Washington Univ., '41—Quincy, Ill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Murphy, John William</td>
<td>A.B., Washington Univ., '41—Kirkwood, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nielsen, Paul Ellis</td>
<td>B.A., Univ. of Utah, '36; M.A., Univ. of Utah, '38; Ph.D., Univ. of Wis., '41—St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noller, Henry William</td>
<td>A.B., Univ. of Kans., '41—Topeka, Kans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Obermeyer, Walter Emil</td>
<td>A.B., James Millikin Univ., '40—Decatur, Ill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ochs, Lamar Herman</td>
<td>A.B., Washington Univ., '41—Lebanon, Ill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oliver, David Rives</td>
<td>A.B., Univ. of Mo., '41—Cape Girardeau, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Owensby, Lindell Cook</td>
<td>—Linden, Ala.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Palmer, Marian Elizabeth</td>
<td>A.B., Stanford Univ., '38—Portland, Ore.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payne, John William, Jr.</td>
<td>B.S., Univ. of Ill., '40—Danville, Ill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pennington, Francis Eugene, Jr.</td>
<td>A.B., Washington Univ., '41—St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perkins, Robert Browning</td>
<td>A.B., Rice Inst., '41—Dallas, Texas.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pursell, Marvin Tatum</td>
<td>A.B., Washington Univ., '41—St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robertson, Robert James</td>
<td>Fort Scott, Kans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rupp, John Jacob</td>
<td>B.S., Univ. of Idaho, '40; M.S., Univ. of Idaho, '41—Coeur d'Alene, Idaho.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott, Robert McKay</td>
<td>A.B., Washington Univ., '41—Kirkwood, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sanneman, Everett Herman, Jr.</td>
<td>—East St. Louis, Ill.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott, Robert McKay</td>
<td>A.B., Washington Univ., '41—Kirkwood, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith, David English, A.B., Central Coll., '41—Bonne Terre, Mo.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tannage, John Andrew</td>
<td>A.B., Washington Univ., '41—St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timrud, David Hugh</td>
<td>A.B., Denison Univ., '41—St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weaver, James Robert</td>
<td>A.B., Washington Univ., '41—Wichita, Kans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weisfuse, Louis</td>
<td>—New York, N.Y.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wolf, George Glenn</td>
<td>—Fresno, Calif.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**First Year Class**

<table>
<thead>
<tr>
<th>Name</th>
<th>University/College</th>
<th>City/State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atwood, John Morris</td>
<td>A.B., Washington and Lee Univ., '42—Carrollton, Mo.</td>
<td></td>
</tr>
<tr>
<td>Austin, Leo Rex</td>
<td>—Chandler, Ariz.</td>
<td></td>
</tr>
<tr>
<td>Balfour, Oscar William</td>
<td>B.S., Billings, Mont.</td>
<td></td>
</tr>
<tr>
<td>Bates, George Comer</td>
<td>A.B., Univ. of Mo., '42—Jefferson City, Mo.</td>
<td></td>
</tr>
<tr>
<td>Beckman, George Edmund, Jr.</td>
<td>A.B., Washington Univ., '42—Webster Groves, Mo.</td>
<td></td>
</tr>
<tr>
<td>Bentley, Maxwell Dean</td>
<td>B.S., Univ. of Idaho, '40—Royal Oak, Mich.</td>
<td></td>
</tr>
<tr>
<td>Bertsch, Ralph Jr.</td>
<td>—Spokane, Wash.</td>
<td></td>
</tr>
<tr>
<td>Bergmann, Martin</td>
<td>A.B., Washington Univ., '42—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Bond, Robert Martin</td>
<td>—Lewiston, Idaho.</td>
<td></td>
</tr>
<tr>
<td>Bopp, Henry William, Jr.</td>
<td>—Terre Haute, Ind.</td>
<td></td>
</tr>
<tr>
<td>Brown, Roger Williams</td>
<td>A.B., Univ. of Utah, '42—Ogden, Utah.</td>
<td></td>
</tr>
<tr>
<td>Busmann, Donald William</td>
<td>A.B., Princeton Univ., '42—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Cernan, Ethel Claude</td>
<td>—Jenolan, Ala.</td>
<td></td>
</tr>
<tr>
<td>Crowdy, Edmund Vincent</td>
<td>Jr.—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Dobbs, Clyde Harwell, Jr.</td>
<td>—Tupelo, Miss.</td>
<td></td>
</tr>
<tr>
<td>Edison, Thomas George</td>
<td>A.B., Washington Univ., '42—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Ettleman, Walter Irvin, Jr.</td>
<td>B.S., Univ. of N. M., '42—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Ferrar, John Thurston</td>
<td>—St. Louis, Mo.</td>
<td></td>
</tr>
<tr>
<td>Gant, Frank Payne</td>
<td>A.B., Washington Univ., '42—Webster Groves, Mo.</td>
<td></td>
</tr>
<tr>
<td>Geren, Betty Ben</td>
<td>B.S., Univ. of Ark., '42—Fort Smith, Ark.</td>
<td></td>
</tr>
<tr>
<td>Gibson, Jay Osvalde, B.S., Univ. of Nev., '42—Ritchfield, Calif.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glennow, Fred Junior, A.B., Washington Univ., '42—St. Louis, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Good, James Tucker, A.B., Univ. of Kans., '42—Kansas City, Mo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guze, Samuel Barry</td>
<td>—New York, N.Y.</td>
<td></td>
</tr>
<tr>
<td>Hall, Robert Herbert</td>
<td>—Salt Lake City, Utah</td>
<td></td>
</tr>
<tr>
<td>Herren, John Courtwright</td>
<td>—Springfield, Mo.</td>
<td></td>
</tr>
<tr>
<td>Hoed, Thomas Knight</td>
<td>—Elko, Nev.</td>
<td></td>
</tr>
<tr>
<td>Jacob, Charles Christ, Jr.</td>
<td>A.B., Washington Univ., '42—St. Louis, Mo.</td>
<td></td>
</tr>
</tbody>
</table>
Johnson, William Fray, B.S., Drury Coll., '42—Ozark, Mo.
Johnstone, John T., Jr., A.B., Westminster Coll., '42—Webster Groves, Mo.
Kalmanson, George Maurice, B.S., Coll. of the City of New York, '34; M.S. Univ. of Ill., '36; Ph.D., Washington Univ., '39—St. Louis, Mo.
Kelly, Frank Joseph—Kansas City, Mo.
Keller, Donald Edwin, A.B., Washington Univ., '42—Pasadena Hills, Mo.
Koppenbrink, Walter Edwin, A.B., Univ. of Mo., '42—Higginville, Mo.
Lambotte, Louis Oscar, B.S., Univ. of Ark., '42—Fort Smith, Ark.
Lewis, Ceylon Smith, Jr., A.B., Washington Univ., '42—Muskogee, Okla.
Lockett, Edgar Nathaniel, Jr.—Johnson City, Tenn.
Long, Ralph Raymond, B.S., Univ. of Idaho, '41; M.S., Univ. of Idaho, '42—Moscow, Idaho.
MacKey, Oliver Monroe, Jr.—Lewiston, Idaho.
Mart, James Carlson, Jr.—Boise, Idaho.
Mealer, Alan Haskell, A.B., Washington Univ., '42—St. Louis, Mo.
Mitchell, Harold Hig, B.S., Univ. of Ariz., '38; M.S., Univ. of Southern Calif., '38—Los Angeles, Calif.
Olson, Arthur John—Malo, Wash.
Polack, Robert Theodore—Clayton, Mo.
Price, Edwin Fletcher, Jr., A.B., Univ. of Kans., '42—Lawrence, Kans.
Prothro, George William, B.S., Univ. of N. M., '42—Clovis, N. M.
Ramsey, Robert Henry—Fort Smith, Ark.
Rapp, Harold Burnett, A.B., Washington Univ., '42—North Kansas City, Mo.
Reeves, Gerald Andrew, A.B., Northeast Mo. State Teach. Coll., '42—Kirksville, Mo.
Rhodes, Jack Richard—Sheridan, Wyo.
Ritzmann, Leonard Walter, A.B., Valparaiso Univ., '42—Quincy, Ill.
Ruby, Robert Holmes—Mabton, Wash.
Rupe, Clarence Earl, A.B., Baker Univ., '41—Kansas City, Mo.
Schulz, Clarence Gallagher—St. Charles, Mo.
Smith, Benjamin Franklin, Jr.—Rochester, Minn.
Smith, Charles Graening—Texarkana, Texas.
Spitzie, Edward Christian, Jr., A.B., Univ. of Ill., '42—East St. Louis, Ill.
Sweasy, Donald Lee—Cowden, Ill.
Sylvester, Robert Francis, Jr., A.B., James Millikin Univ., '42—Decatur, Ill.
Taylor, Eugene Emerson, B.S., Univ. of Idaho, '42—Moscow, Idaho.
Thatcher, Alan Im—Preston, Idaho.
Tuthill, Sanford Werner, A.B., Washington Univ., '42—Centralla, Ill.
Van Petten, George Turoff—Marion, Ill.
Waters, Hugh Robert, B.S., Northwestern Univ., '42—Wisconsin Rapids, Wis.
Webb, Gerald Edward—Harrisburg, Ill.
Weinhaus, Robert Stanley—St. Louis, Mo.
Winkler, R. Kenneth—Fresno, Calif.
Wissner, Seth Ernst, A.B., Washington Univ., '42—Normandy, Mo.
Wood, Gary Bedford—Webster Groves, Mo.
Yoel, Paul Wesley, B.S., McKendree Coll., '42—Lebanon, Ill.

Total, 85
PUBLICATIONS OF WASHINGTON UNIVERSITY

Series II. THE CATALOGUES. This series includes the Catalogues of the College of Liberal Arts, the School of Engineering, the School of Architecture, the School of Business and Public Administration, the School of Graduate Studies, the School of Law, the School of Medicine, the School of Dentistry, the School of Nursing, the School of Fine Arts, the University College, and the Summer School.

Series IV. WASHINGTON UNIVERSITY STUDIES. From July, 1913, to April, 1926, the Washington University Studies were published as a quarterly periodical, two numbers of which were devoted to the humanistic and two to the scientific fields. They now appear at indefinite intervals as monographs in the three following classes: Language and Literature, Science and Technology, Social and Philosophical Sciences.

Series V. WASHINGTON UNIVERSITY DOCTORAL DISSERTATIONS. This series contains dissertations accepted in partial fulfillment of the requirements for the degree of Doctor of Philosophy.

BOARD OF PUBLICATION

Richard Foster Jones, Ph.D. . . . . Chairman, General Editor
George William Lamke, B.S. . . . . Editor of the Catalogues
Edgar Anderson, Sc.D.
Bateman Edwards, Ph.D.
Ralph Paul Bieber, Ph.D. 

Editors of Washington University Studies