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BULLETIN
OF
WASHINGTON UNIVERSITY
ST. LOUIS



THIRTY-FIFTH ANNUAL
CATALOGUE
OF
THE SCHOOL OF MEDICINE

MARCH, 1924

PUBLICATIONS OF WASHINGTON UNIVERSITY
SERIES II VOLUME XXII NUMBER V

PUBLICATIONS OF WASHINGTON UNIVERSITY

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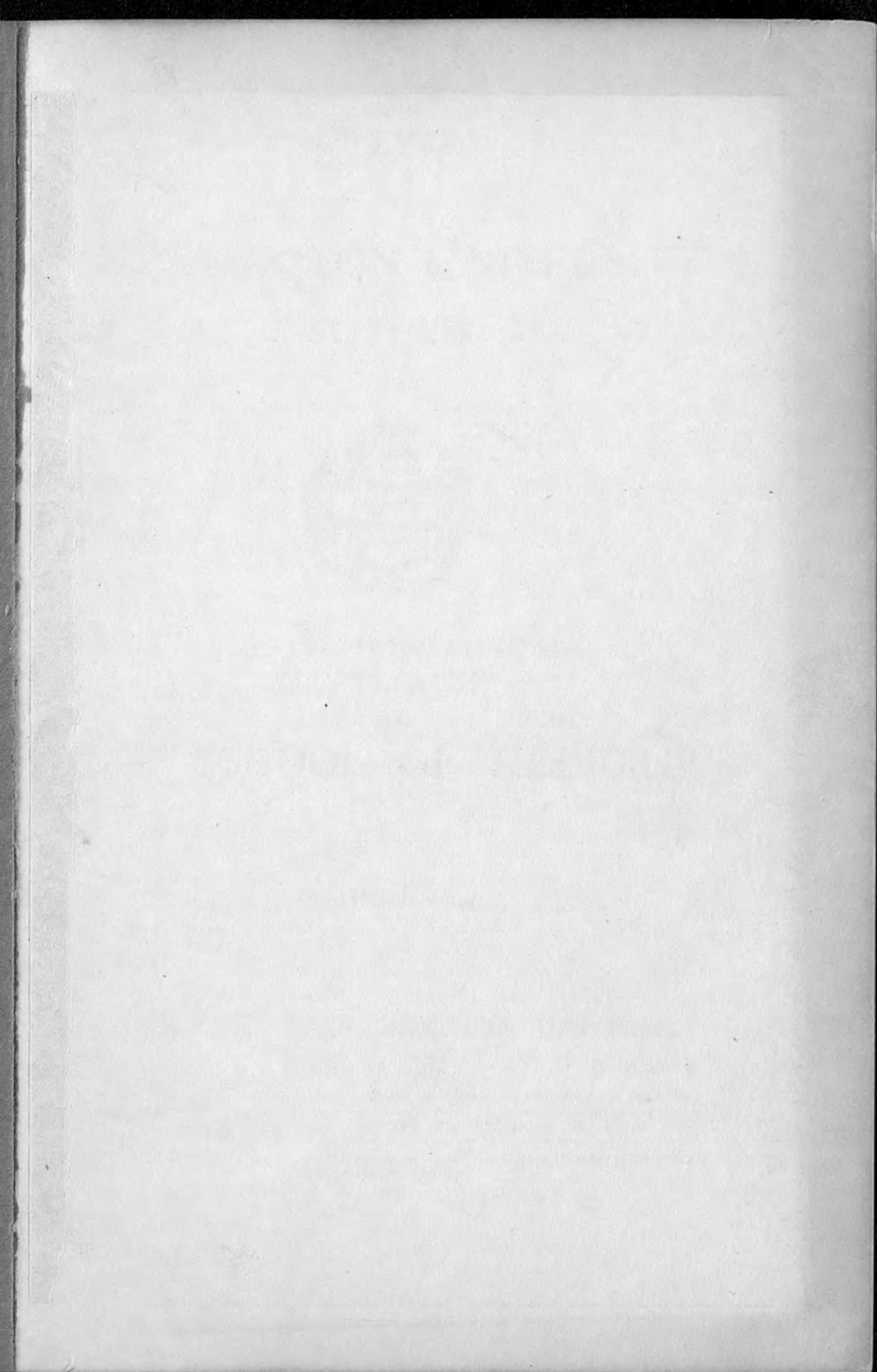
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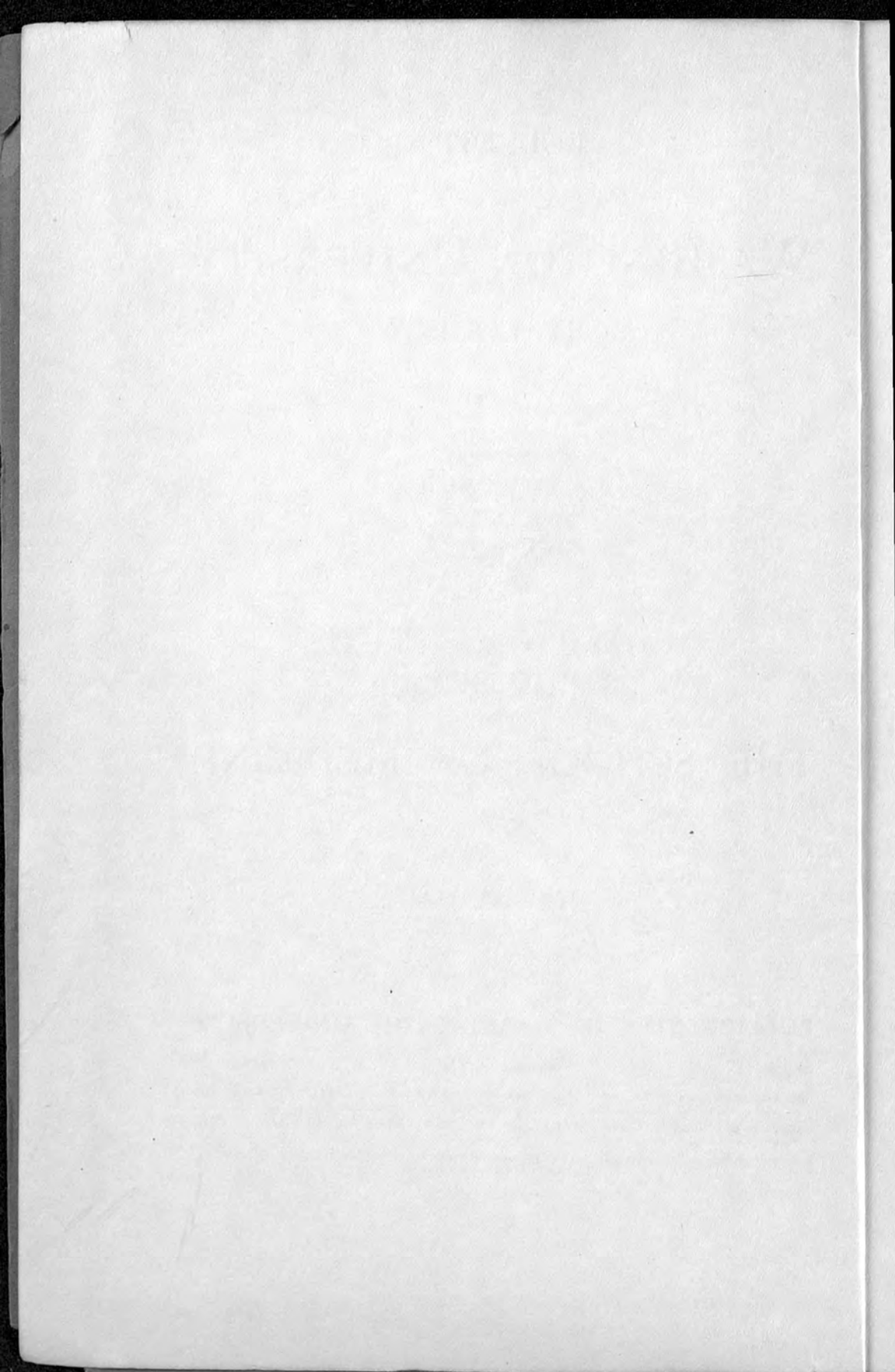
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SERIES II

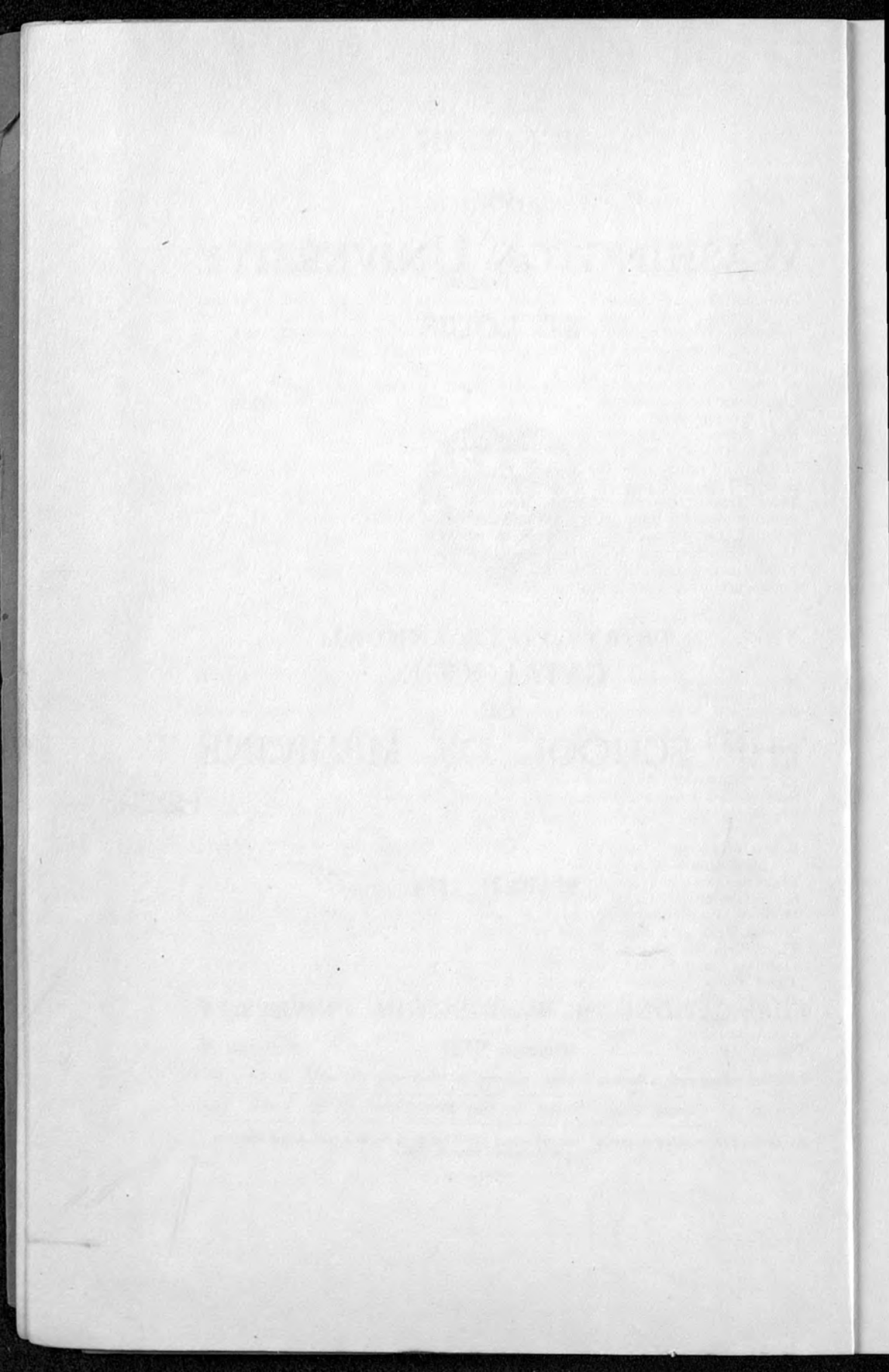
VOLUME XXII

NUMBER V

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CALENDAR

1923-24

Examinations for Advanced Standing and Removal of Conditions, Monday, Tuesday, and Wednesday, September 24, 25, and 26, 1923.
Academic Year (First Trimester) begins Thursday, September 27, 1923.
Holiday, Thanksgiving Day, Thursday, November 29, 1923.
First Trimester ends Saturday, December 15, 1923.
Second Trimester begins Monday, December 17, 1923.
Christmas Recess, Monday, December 24, 1923, to Wednesday, January 2, 1924, inclusive.
First Semester ends Saturday, February 2, 1924.
Second Semester begins Monday, February 4, 1924.
Holiday, Washington's Birthday, Friday, February 22, 1924.
Second Trimester ends Saturday, March 15, 1924.
Third Trimester begins Monday, March 17, 1924.
Holiday, Good Friday, April 18, and Saturday, April 19, 1924.
Holiday, Decoration Day, Friday, May 30, 1924.
Third Trimester ends Saturday, May 31, 1924.
Final Examinations begin Monday, June 2, 1924.
Commencement, Thursday, June 12, 1924.

1924-25

Registration, Monday, September 22, to Wednesday, September 24, 1924, inclusive.
Examinations for Advanced Standing and Removal of Conditions, Monday, Tuesday, and Wednesday, September 22, 23, and 24, 1924.
Academic Year (First Trimester) begins Thursday, September 25, 1924.
Holiday, Thanksgiving Day, Thursday, November 27, 1924.
First Trimester ends Saturday, December 13, 1924.
Second Trimester begins Monday, December 15, 1924.
Christmas Recess, Wednesday, December 24, 1924, to Saturday, January 3, 1925, inclusive.
Registration for second half-year, Thursday, Friday, and Saturday, January 29, 30, and 31, 1925.
First Semester ends Saturday, January 31, 1925.
Second Semester begins Monday, February 2, 1925.
Holiday, Washington's Birthday, Monday, February 23, 1925.
Second Trimester ends Saturday, March 14, 1925.
Third Trimester begins Monday, March 16, 1925.
Holiday, Good Friday, April 10, and Saturday, April 11, 1925.
Third Trimester ends Friday, May 29, 1925.
Holiday, Decoration Day, Saturday, May 30, 1925.
Final Examinations begin Monday, June 1, 1925.
Commencement, Thursday, June 11, 1925.

CALENDAR

1923

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	..	..	1	2	3	4	5	6	..	..	1	2	3	..	..	..	..	..	..	..	1	..
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..	..

1924

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	1	2	3	4	5	..	..	..	..	1	2	..	..	..	..	1	2	3	4	5	..	1	2	3	4	5
6	7	8	9	10	11	12	3	4	5	6	7	8	9	2	3	4	5	6	7	8	6	7	8	9	10	11	12
13	14	15	16	17	18	19	10	11	12	13	14	15	16	9	10	11	12	13	14	15	13	14	15	16	17	18	19
20	21	22	23	24	25	26	17	18	19	20	21	22	23	16	17	18	19	20	21	22	20	21	22	23	24	25	26
27	28	29	30	31	..	..	24	25	26	27	28	29	..	23	24	25	26	27	28	29	27	28	29	30	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..	..	..	..	..	..	..	..

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	1	2	3	4	5	6	7	..	1	2	3	4	5	1	2
8	9	10	11	12	13	14	8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
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25	26	27	28	29	30	31	29	30	27	28	29	30	31	24	25	26	27	28	29	30
..	31

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	1	2	3	4	1	2	3	4	5	6	..	1	2	3	4
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28	29	30	26	27	28	29	30	31	..	23	24	25	26	27	28	29	28	29	30	31
..	30

1925

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	..
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25	26	27	28	29	30	31	29	30	31	26	27	28	29	30
..

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
24	25	26	27	28	29	30	28	29	30	26	27	28	29	30	31	..	23	24	25	26	27	28	29
31	30	31

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5127 Waterman Avenue

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A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904. Resident Assistant Pathological Chemist, McLean Hospital, Waverley, Mass., 1900-03; Assistant, Fellow, and Instructor in Chemical Pathology, Cornell University, 1904-10; Chemist to Huntington Fund for Cancer Research, 1906-10; Pathological Chemist and Head of Chemical Section of the Laboratory of Bellevue Hospital, 1909-10. Dean, Washington University School of Medicine, 1915-19. *Chemist to Barnes and St. Louis Children's Hospitals.*

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M.D., Zurich, 1896. Adjunct Professor of Pathology, College of Physicians and Surgeons, Chicago, 1900-01; Experimental Pathologist, New York State Pathological Laboratory, 1902; Research Fellow, McGill University, 1903; Demonstrator, 1903-04, and Assistant Professor of Experimental Pathology in Charge of Laboratory, 1904-10, University of Penn-

* On leave of absence.

sylvania; Director, Department of Pathology, Barnard Free Skin and Cancer Hospital, St. Louis, 1910-15.

6803 Kingsbury Boulevard

EVARTS AMBROSE GRAHAM, M.D. . . . *Bixby Professor of Surgery*
A.B., Princeton University, 1904; M.D., Rush Medical College, 1907; Interne, Presbyterian Hospital, Chicago, 1907-08. Fellow in Pathology, Rush Medical College, 1906-07; Fellow, Assistant, and Instructor in Surgery, Rush Medical College, 1908-19; Member of Staff of O. S. A. Sprague Memorial Institute for Clinical Research, Chicago, 1912-15; Consulting Surgeon, St. Louis City Hospital, 1919-21. *Surgeon in Chief to Barnes Hospital, St. Louis Children's Hospital, and Washington University Dispensary.*

4711 Westminster Place

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5246 Waterman Avenue

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A.B., Cornell University, 1911; M.D., 1914. Interne, Bellevue Hospital, 1914-16; Adjunct Assistant Visiting Physician, 1919-21; Assistant Visiting Physician, 1921-23. Fellow, Russell Sage Institute of Pathology, 1916-23. Instructor in Medicine, 1916-22, Assistant Professor of Medicine, 1922-23, Cornell University. *Physician in Chief to Barnes Hospital.*

477 First Avenue, New York City

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LOUIS HERBERT BURLINGHAM, M.D. *Lecturer on Hospital Administration*

A.B., Yale University, 1902; M.D., Johns Hopkins University, 1906. Interne, Assistant Resident Physician, and Assistant Administrator, Massachusetts General Hospital, 1906-12; Assistant Superintendent, Peter Bent Brigham Hospital, 1912-17. *Superintendent of Barnes Hospital and Administrator of St. Louis Children's Hospital.*

4622 Maryland Avenue

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39 Jefferson Road, Webster Groves

JEAN VALJEAN COOKE, M.D. . . . *Associate Professor of Pediatrics*

A.B., University of West Virginia, 1903, and Yale University, 1904; M.D., Johns Hopkins University, 1908; Resident Pathologist, Pennsylvania Hospital, 1910-11. Instructor in Pathology, University and Bellevue Hospital Medical College, 1908-10, and Tulane University, 1911-12; Assistant Professor of Pathology, University of California, 1912-17; Associate in Pediatrics, Washington University School of Medicine, 1918-20. *Assistant Physician to St. Louis Children's Hospital, Assistant Pediatrician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

25 Blakemore Place

FRANK ADAM MCJUNKIN, M.D. . . . *Associate Professor of Pathology*

M.D., University of Michigan, 1906, and A.M., 1912; Interne, University Hospital, Ann Arbor, Michigan, 1906-07. Assistant in Pathology, New York Post-Graduate Hospital, 1907-08; Instructor in Bacteriology, Uni-

versity of Michigan, 1908-09; Professor of Pathology and Bacteriology, University of Utah, 1909-11; Assistant in Pathological Laboratory, Boston City Hospital, 1912-14; Professor of Pathology, Marquette University School of Medicine, 1914-20. *Associate Pathologist to Barnes and St. Louis Children's Hospitals.*

7239 Lyndover Place

HOWARD HOMER BELL, M.D.. *Associate Professor of Bacteriology* M.D., University of Pennsylvania, 1912; Interne, Harrisburg General Hospital, 1912-13. Assistant in Pathology and Bacteriology, University of Alabama School of Medicine, 1913-14; Assistant in Pathology, and Instructor and Associate in Bacteriology, Washington University School of Medicine, 1914-21.

5041 Waterman Avenue

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4904 Buckingham Court

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19 North Taylor Avenue

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4941 Parkview Place

SHERWOOD MOORE, M.D. *Associate in Surgery (Radiology)*

M.D., Washington University, 1905; Interne, St. Louis City Hospital, 1905-06; Resident, Washington University Hospital, 1906-07. Instructor in Obstetrics, Washington University Medical School, 1907-09; Assistant in Surgery, St. Louis Children's Hospital, 1910-13; House Physician, Massachusetts General Hospital, X-ray Department, 1916-17. *Roentgenologist in Charge, Barnes and St. Louis Children's Hospitals.*

Usona Hotel

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A.B., Williams College, 1910; M.D., Johns Hopkins University, 1915; Interne and Assistant Resident Physician, Johns Hopkins Hospital, 1915-17. Instructor in Pediatrics, Washington University School of Medicine, 1917-20. *Assistant Physician to St. Louis Children's Hospital, Assistant Pediatrician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

St. Louis Children's Hospital

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M.D., Yale University, 1903. Interne, New York Children's Hospital, 1903-04; New York Infant Asylum and Marion Street Maternity Hospital, 1904-05. Bacteriologist, 1907-08, Attending Physician, 1908, Newport Hospital.

Buckingham Hotel

GEORGE HOLMAN BISHOP, PH.D. *Associate in Physiology*

A.B., University of Michigan, 1912; Ph.D., University of Wisconsin, 1920. Instructor in Zoölogy, Northwestern University, 1919-20; Assistant Professor of Histology, University of Tennessee Medical College, 1920-21.

6952 Clayton Avenue

FRANK HENRY EWERHARDT, M.D. *Associate in Physical Therapeutics*

M.D., Washington University, 1910. Assistant in Anatomy, 1913-14, and Assistant and Instructor in Medicine, 1915-22, Washington University

School of Medicine; Assistant Surgeon, Orthopedic Out Patient Clinic, St. Louis Children's Hospital, 1912-14. *Physician in Charge of Physical Therapeutics, Barnes Hospital; Surgeon to Out Patients, Washington University Dispensary.*

5204 Kensington Avenue

HARVEY LESTER WHITE, M.D. *Associate in Physiology*
B.S., Washington University, 1918; M.D., 1920. Interne, St. Louis Children's Hospital, 1920. Assistant and Instructor in Physiology, Washington University School of Medicine, 1920-22.

5 S. Euclid Avenue

L. S. NEWMAN WALSH, M.D. *Instructor in Pathology*
D.V.M., Kansas City Veterinary College, 1912; M.D., St. Louis University, 1916. Assistant in Comparative Pathology, 1916-17, and Assistant in Pathology, 1919-21, Washington University School of Medicine; Resident Pathologist, Barnes Hospital, and Assistant Pathologist to the St. Louis Children's Hospital, 1918-19. *Assistant Pathologist to Barnes Hospital.*

431 S. Clay Avenue, Kirkwood

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B.S., Mills College, 1913; A.M., Columbia University, 1914; Ph.D., University of Wisconsin, 1923. Instructor in Home Economics, University of Missouri, 1914-17; Assistant Professor of Home Economics, University of Minnesota, 1917-18; Assistant and Instructor in Physiology, University of Wisconsin, 1918-21.

6952 Clayton Avenue

BEATRICE WHITESIDE, Ph.D. *Instructor in Anatomy*
A.B., Vassar College, 1918; Ph.D., University of Zurich, 1920.

4926 Forest Park Boulevard

MILTON ROY STAHL, LL.B. . *Instructor in Medical Jurisprudence*
A.B., Missouri University, 1914; LL.B., Washington University, 1920. Assistant in Political Science, Washington University, 1920-21.

Rialto Building

KENNETH LIVINGSTON BURDON, Ph.D. *Instructor in Bacteriology*
Ph.B., Brown University, 1918; Sc.M., 1920; Ph.D., 1922. Chief Inspector, Mosquito Control Work, Health Department, Providence, R. I., 1919-21; Assistant Bacteriologist, Health Department and City Hospital, Prov-

idence, 1920-21; Graduate Assistant in Biology, Brown University, 1919-22.

754 Westgate Avenue

ANDREW BLUCHER JONES, M.D. . . . *Instructor in Neuropathology*
M.D., Vanderbilt University, 1916. Instructor in Bacteriology and Serology, Vanderbilt University, 1916-17. Interne and Assistant Resident in Neurology, Barnes Hospital, 1919-21; Resident and Instructor in Psychiatry, State Psychopathic Hospital, University of Michigan, 1921-22. Visiting Physician, Glenwood Sanatorium. *Physician to Out Patients, Washington University Dispensary, and Visiting Physician, St. Louis City Hospital.*

7119 Clayton Road

MICHAEL SOMOGYI, PH.D. . . . *Instructor in Biological Chemistry*
Ch.E., Technische Hochschule of Budapest, 1905; Ph.D., University of Budapest, 1914. Assistant, University of Budapest, 1905-06. Research Assistant, Cornell University Medical College, 1906-07.

4539 Clayton Avenue

THEODORE EDWARD FRIEDEMANN, PH.D. . . *Instructor in Biological Chemistry*

B.S., Oklahoma Agricultural and Mechanical College, 1915; A.M., University of Missouri, 1921; Ph.D., Washington University, 1923. Instructor in Chemistry, Michigan Agricultural College, 1915-17; Assistant Chemist, Michigan Agricultural Experiment Station, 1917-19; Assistant in Agricultural Chemistry, Missouri Agricultural Experiment Station, 1920-21; Assistant in Biological Chemistry, Washington University School of Medicine, 1921-23.

4529 Parkview Place

ALEXIS FRANK HARTMANN, M.D. *Instructor in Pediatrics*
B.S., Washington University, 1919; M.S. and M.D., 1921. Interne, 1921-22, and Assistant Resident Physician, 1922-23, St. Louis Children's Hospital; Assistant in Pediatrics, Washington University School of Medicine, 1922-23. *Resident Physician, St. Louis Children's Hospital.*

St. Louis Children's Hospital

KEHAR SINGH CHOUKE, M.D. *Instructor in Anatomy*
H.A., Agra Medical School, 1906; M.D., Washington University, 1922. Assistant in Anatomy, Washington University School of Medicine, 1922-23. Instructor in Anatomy, Washington University School of Dentistry.

4936 Laclede Avenue

RICHARD PADDOCK, M.D. *Instructor in Obstetrics*
M.D., Washington University, 1921. Interne, 1921-22, Resident Obstetrician and Gynecologist, 1922-23, Barnes Hospital; Assistant in Obstetrics, Washington University School of Medicine, 1922-23. *Clinical Assistant, Barnes Hospital; Obstetrician to Out Patients, Washington University Dispensary.*

5014 Cabanne Avenue

EDWARD STAUNTON WEST, Ph.D. *Instructor in Biological Chemistry*

A.B., Randolph-Macon College, 1917; M.S., Kansas State Agricultural College, 1920; Ph.D., University of Chicago, 1923. Assistant in Chemistry, Kansas State Agricultural College, 1917-18; Instructor in Chemistry and Assistant in Organic Chemistry, University of Chicago, 1918-23.

4936 Laclede Avenue

FOREST HENRY STALEY, M.D. *Instructor in Anatomy*
A.B., University of Wisconsin, 1909; M.D., Washington University, 1918; Interne, Assistant Resident Surgeon, and Acting Resident Surgeon, Barnes Hospital, 1917-19. Assistant in Surgery and in Clinical Surgery, 1919-21, and Assistant in Anatomy, 1921-23, Washington University School of Medicine.

4267 Manchester Avenue

SAMUEL ERNEST POND, Ph.D. *Instructor in Physiology*
B.H., Springfield College, 1912; M.A., 1917, Ph.D., 1921, Clark University; Assistant in Biology, Springfield College, 1912-13; Instructor in Biology, Adelbert College, Western Reserve University, 1918-19; Fellow in Biology, Clark University, 1915-17, 1919-21; Physiologist and Acting Director, Research Institute of the National Dental Association, 1917-19; Associate Biologist, Nela Research Laboratory, Cleveland, 1921-24.

Euclid Avenue and Kingshighway

IRENE KOECHIG, A.M. *Assistant in Biological Chemistry*
A.B., Washington University, 1912; A.M., 1913.

5122 Waterman Avenue

ALFRED POYNEER BRIGGS, M.D. *Assistant in Biological Chemistry and in Medicine*

B.S., University of Colorado, 1912; M.D., Washington University, 1922. Assistant Physician to Out Patients, Washington University Dispensary, 1922-23.

4949 Forest Park Boulevard

GLOVER H. COPHER, M.D......*Assistant in Surgery*

A.B., University of Missouri, 1916; M.D., Washington University, 1918.
Assistant Resident and Resident Surgeon, Barnes Hospital, 1918-22.
Clinical Assistant, Barnes Hospital; Surgeon to Out Patients, Washington University Dispensary; Visiting Surgeon, St. Louis City Hospital.
4506 Forest Park Boulevard

WILLIAM HAROLD CHAMBERS, Ph.D....*Assistant in Experimental Surgery*

B.S., University of Illinois, 1915; M.S., 1917; Ph.D., Washington University, 1920. Assistant in Research Laboratories, Barnard Free Skin and Cancer Hospital.

7347 Marietta Avenue

DUFF SHEDERIC ALLEN, M.D......*Assistant in Surgery*

M.D., Washington University, 1919. Interne, St. Luke's Hospital, 1918-19. *Resident Surgeon, Barnes Hospital.*

Barnes Hospital

FREDERICK AUGUSTUS JOSTES, M.D......*Assistant in Surgery*

B.S., Washington University, 1918; M.D., 1920. Interne, 1920-21; Assistant Resident Surgeon, 1921-23, Barnes Hospital. *Assistant Surgeon to Out Patients, Washington University Dispensary.*

3918 St. Louis Avenue

MILDRED TROTTER, M.S......*Assistant in Anatomy*

A.B., Mount Holyoke College, 1920; M.S., Washington University, 1921.

McMillan Hall

PAUL SHIRMER BARKER, M.D......*Assistant in Medicine*

A.B., Westminster College, 1915; M.D., Washington University, 1920. Interne, Presbyterian Hospital, New York, 1920-22. *Physician to Out Patients, Washington University Dispensary.*

5637 Enright Avenue

ROLAND METZLER KLEMME, M.D......*Assistant in Surgery*

M.D., Washington University, 1921. Interne, Barnes Hospital, 1921-22; Surgeon to Out Patients, Washington University Dispensary, 1922-23. *Assistant Resident Surgeon, Barnes Hospital.*

Barnes Hospital

LEITH HOLLINSHEAD SLOCUMB, M.D. *Assistant in Anatomy*
M.D., Washington University, 1913. Interne, St. Louis City Hospital,
1913-14; Assistant in Medicine, Washington University School of Medi-
cine, 1917-20; Assistant Physician, Physician, and Assistant Surgeon to
Out Patients, Washington University Dispensary, 1917-20. Physician in
Charge, St. John's Hospital, Fort Smith, Ark., 1920-21.

Humboldt Building

ALFRED GOLDMAN, M.D. *Assistant in Medicine*
A.B., Washington University, 1916; M.D., 1920; M.S., 1922. Interne,
Resident Pathologist and Assistant Resident Physician, Barnes Hospital,
1920-22; Assistant in Pathology, 1920-21, Washington University School
of Medicine. *Resident Physician to Barnes Hospital.*

Barnes Hospital

WARREN HENRY COLE, M.D. *Assistant in Surgery*
B.S., University of Kansas, 1918; M.D., Washington University, 1920.
Interne, Bay View Hospital, 1920-21, and Barnes Hospital, 1921-22;
Assistant Resident Surgeon, Barnes Hospital, 1922-23. *Assistant Sur-
geon to Out Patients, Washington University Dispensary.*

4378 Laclede Avenue

OSCAR CHARLES ZINK, M.D. . . . *Assistant in Surgery (Radiology)*
M.D., Washington University, 1921. Interne, St. Louis City Hospital,
1921-22. *Assistant Roentgenologist, Barnes and St. Louis Children's
Hospitals.*

914 Lebanon Avenue, Belleville, Ill.

LESLIE ALBERT SMITH, M.D. *Assistant in Pathology*
B.S., Utah Agricultural College, 1913; M.D., Washington University,
1923. Instructor in Bacteriology, Utah Agricultural College, 1913-16.

1138 S. Kingshighway

WILLIAM JOSEPH DIECKMANN, M.D. *Assistant in Obstetrics*
B.S., Washington University, 1920; M.D., 1922. Interne, Barnes Hos-
pital, 1922-23. *Resident Obstetrician, Barnes Hospital.*

Barnes Hospital

CHARLES HANCHETT HITCHCOCK, M.D. . . . *Assistant in Medicine*
B.S., Amherst College, 1917; M.D., Johns Hopkins University, 1921.
Interne, Johns Hopkins Hospital, 1921-22. *Assistant Resident Physician,
Barnes Hospital.*

Barnes Hospital

SAMUEL HERMAN KAHN, M.D. *Assistant in Medicine*
M.D., Washington University, 1921. Interne, Barnes Hospital, 1921-22.
Assistant Resident Physician, Barnes Hospital.

Barnes Hospital

EUGENE LEE SHRADER, M.D. *Assistant in Medicine*
A.B., University of Missouri, 1920; M.D., Washington University, 1922.
Interne, Barnes Hospital, 1922-23. *Assistant Resident Physician, Barnes*
Hospital.

Barnes Hospital

JAMES ERIC LYNCH, M.A. *Assistant in Anatomy*
A.B., University of Nebraska, 1917; M.A., 1921. Instructor in Zoölogy,
Oregon Agricultural College, 1921-22.

31 N. Newstead Avenue

LEE DE CADY, M.D. *Assistant in Medicine*
A.B., University of Missouri, 1918; A.M., Washington University, 1921,
and M.D., 1922. Interne, Barnes Hospital, 1922-23. *Assistant Resident*
Physician, Barnes Hospital.

Barnes Hospital

LOUISE HARRISON, B.L. *Assistant in Anatomy*
B.L., Smith College, 1898.

22 Trevillian Avenue, Kirkwood

ISAAC Y. OLCH, M.D. *Assistant in Surgery*
Ph.B., Brown University, 1917; M.D., Johns Hopkins University, 1921.
Interne and Assistant Resident, in Charge of Surgical Pathology, Johns
Hopkins Hospital, 1921-22; Assistant in Pathology, Johns Hopkins Uni-
versity, 1921-22; Instructor in Pathology, Washington University School
of Medicine, 1922-23; Assistant Pathologist, Barnes and St. Louis Chil-
dren's Hospitals, 1922-23. *Assistant Resident Surgeon, Barnes Hospital.*

Barnes Hospital

HAROLD KEITH CORKILL, M.B. *Assistant in Surgery*
M.B. and Ch.B., University of Edinburgh, 1922. House Surgeon Royal
Infirmary, Edinburgh, 1922-23. *Assistant Resident Surgeon, Barnes*
Hospital.

Barnes Hospital

ROLAND WILLIAM STUEBNER, M.D. *Assistant in Pathology*
M.D., Washington University, 1923. *Resident Pathologist, Barnes and*
St. Louis Children's Hospitals.

Barnes Hospital

NORMAN BRUCE CARSON, M.D. . . . *Professor Emeritus of Surgery*
M.D., St. Louis Medical College, 1868. Assistant in Surgery, Adjunct
Professor of the Principles and Practice of Surgery and of Clinical Sur-
gery, St. Louis Medical College, 1881-99; Professor of Clinical Surgery,
Medical Department of Washington University, 1899-1911.

4379 Westminster Place

JOHN BLASDEL SHAPLEIGH, M.D. . *Professor Emeritus of Otology*
A.B., Washington University, 1878; M.D., St. Louis Medical College,
1881; Interne, St. Louis City Hospital, 1881-82, and Female Hospital,
1882-83; Chief of Otological Clinic, St. Louis Medical College and Wash-
ington University Dispensary, 1885-1910; Otologist in Chief, Washing-
ton University Dispensary, 1910-22; Lecturer on Diseases of the Ear,
1886-90; Clinical Professor, Diseases of the Ear, 1890-95, and Professor
of Otology, 1895-99, St. Louis Medical College; Dean of the Medical
Faculty, Medical Department of Washington University, 1901-02; Pro-
fessor of Otology, 1899-1912, and Clinical Professor of Otology, 1912-22,
Washington University School of Medicine; Otologist to the Barnes and
St. Louis Children's Hospitals, 1916-22; Member of the Hospital Board
of the City of St. Louis, 1910-12; Member of the Medical Staff of St.
Luke's Hospital and Barnard Free Skin and Cancer Hospital. *Consultant*
in Otology, Barnes and St. Louis Children's Hospitals.

Humboldt Building

HENRY SCHWARZ, M.D. *Professor Emeritus of Obstetrics*
and Gynecology

M.D., St. Louis Medical College, 1879, and University of Giessen, 1880;
Resident Physician, Recurrent Fever Hospital, Giessen, 1879-80; Assistant
Physician and Tutor, Department of Obstetrics, University of Giessen,
1880-81; and University of Heidelberg, 1881-83. Clinical Lecturer on
Gynecology, 1886-89, and Clinical Professor of Gynecology, 1889-99, St.
Louis Medical College; Professor of Obstetrics, 1899-1908, Professor of
Obstetrics and Gynecology, 1908-12, and Clinical Professor of Obstetrics,
1912-21, Washington University School of Medicine; Obstetrician in Chief
to the Barnes Hospital and the Washington University Dispensary, 1915-
21; Consulting Surgeon, St. Louis City Hospital, 1914-21. *Consultant in*
Obstetrics, Barnes Hospital.

440 N. Newstead Avenue

PAUL YOER TUPPER, M.D. *Professor Emeritus of Surgery*
M.D., Central University, Kentucky, 1880; Interne City Hospital and Forest Hill Lying-in Hospital, Louisville, 1880-81. Instructor in Practical Anatomy, 1888-90, and Professor of Descriptive Anatomy, 1890-99, St. Louis Medical College; Professor of Applied Anatomy and Operative Surgery, 1899-1911, and Clinical Professor of Surgery, 1911-23, Washington University School of Medicine. Visiting Surgeon, St. Luke's Hospital; Consulting Surgeon, Bethesda Hospital, St. John's Hospital, and the Jewish Hospital.

Wall Building

FRANCIS RHODES FRY, M.D. *Professor Emeritus of Neurology*
A.B., Ohio Wesleyan University, 1877, and A.M., 1880; M.D., St. Louis Medical College, 1879; Interne, St. Louis City Hospital, 1879-80. Assistant Demonstrator and Demonstrator of Anatomy, 1881-88, Clinical Lecturer on Diseases of the Nervous System, 1887-90, Professor of Anatomy, 1888-90, and Professor of Diseases of the Nervous System, 1890-99, St. Louis Medical College. Member of Staff of St. Luke's Hospital, the Barnard Free Skin and Cancer Hospital, the Missouri Baptist Sanitarium, and of the Consulting Staff of the Jewish Hospital, St. John's Hospital, and St. Louis City Hospital.

Humboldt Building

HARVEY GILMER MUDD, M.D. *Professor Emeritus of Surgery*
M.D., St. Louis Medical College, 1881; Interne, St. Louis City Hospital and Female Hospital, 1881-82. Demonstrator of Anatomy, Lecturer on Osteology and Professor of Osteology and Regional Anatomy, 1888-99, Professor of Fractures and Dislocations and Clinical Surgery, 1899, St. Louis Medical College; Professor of Fractures and Dislocations and Clinical Surgery, 1899-11, Professor of Clinical Surgery, 1911-23, Washington University School of Medicine. Surgeon and Chief of Staff, St. Luke's Hospital.

Humboldt Building

GEORGE MARVINE TUTTLE, M.D. *Professor of Clinical Pediatrics*
A.B., Columbia University, 1888, and M.D., 1891; Interne, St. Luke's Hospital, New York, and New York Nursery and Child's Hospital, 1892-94. Professor of Therapeutics, Washington University Medical School, 1899-1908. Attending Physician, Martha Parsons Free Hospital for Children, 1894-1910; Chief of Staff, St. Louis Children's Hospital, 1910-12; Visiting Physician, Infectious Disease Hospital, 1918-20. Attending Physician, St. Luke's Hospital. *Associate Pediatrician to Barnes Hospital, and Consulting Physician to the St. Louis Children's Hospital.*

4917 Maryland Avenue

ELSWORTH STRIKER SMITH, M.D. . . . *Professor of Clinical Medicine*

A.B., St. Louis University, 1884, and A.M., 1888; M.D., St. Louis Medical College, 1887; Interne, Assistant Physician, and Assistant Superintendent, St. Louis City Hospital, 1887-90. Demonstrator in Anatomy, Instructor in Physical Diagnosis and Assistant Physician to the Medical Clinic, St. Louis Medical College, 1890-99. Physician, St. Luke's Hospital; Consulting Physician, St. John's Hospital, Jewish Hospital, Barnard Free Skin and Cancer Hospital, Frisco Hospital, and St. Louis Maternity Hospital. *Assistant Physician to Barnes Hospital.*

Humboldt Building

ARTHUR EUGENE EWING, M.D. . . . *Professor Emeritus of Ophthalmology*

A.B., Dartmouth College, 1878; M.D., St. Louis Medical College, 1883; A.M., Washington University, 1912. Clinical Lecturer on Ophthalmology, St. Louis Medical College, 1895-99; Clinical Lecturer on Diseases of the Eye, 1899-1902, Clinical Professor of Diseases of the Eye, 1902-08, Professor of Clinical Ophthalmology, 1908-12, and Clinical Professor of Ophthalmology, 1912-21, Washington University School of Medicine. Ophthalmologist to Barnes and St. Louis Children's Hospitals, and Chief of the Ophthalmological Clinic, Washington University Dispensary, 1915-21. Member of Staff of St. Luke's Hospital and of Barnard Free Skin and Cancer Hospital.

Metropolitan Building

GREENFIELD SLUDER, M.D. *Professor of Clinical Oto-Laryngology*

M.D., St. Louis Medical College, 1888; Interne, St. Louis City Hospital, 1888-92. Instructor in Clinical Medicine and Urinology, 1891-98, and Lecturer on Laryngology, St. Louis Medical College, 1898-99, and Medical Department of Washington University, 1899-1905. Member of Staff of St. Luke's Hospital and Barnard Free Skin and Cancer Hospital. *Oto-Laryngologist to Barnes and St. Louis Children's Hospitals, and Oto-Laryngologist in Chief to Washington University Dispensary.*

3542 Washington Avenue

MARTIN FEENEY ENGMAN, M.D. . . . *Professor of Clinical Dermatology*

M.D., University of New York, 1891; Interne, New York Skin and Cancer Hospital and Gouverneur Hospital, New York, 1891-93. Lecturer on Dermatology, New York Post Graduate Medical School, 1894; Lecturer on Dermatology, St. Louis University, 1910-12. Assistant in Skin Depart-

ment, Demilt Dispensary, and Vanderbilt Clinic, New York, 1894. Member of the Hospital Board, City of St. Louis, 1912; Visiting Physician, St. Louis City Hospital, 1914-21; President of the Medical Board, Barnard Free Skin and Cancer Hospital. *Dermatologist to Barnes and St. Louis Children's Hospitals, and Dermatologist in Chief to Washington University Dispensary.*

Wall Building

BORDEN SMITH VEEDER, M.D. . . . *Professor of Clinical Pediatrics*
M.D., University of Pennsylvania, 1907; Interne, University of Pennsylvania Hospital, 1907-08; Assistant Demonstrator in Pathology, University of Pennsylvania, 1909-11; Pathologist, St. Christopher's Hospital, Philadelphia, 1909-11; Assistant Pathologist, General Hospital, Philadelphia, 1909-11; Medical Director, Babies' Hospital, Philadelphia, 1911; Associate in and Associate Professor of Pediatrics, Washington University Medical School, 1911-17. *Associate Pediatrician, Barnes Hospital; Consulting Physician, St. Louis Children's Hospital and Infectious Disease Hospital; Visiting Physician, St. Louis City Hospital.*

Humboldt Building

SIDNEY ISAAC SCHWAB, M.D. *Professor of Clinical Neurology*
M.D., Harvard University, 1896. Professor of Nervous and Mental Diseases, St. Louis University, 1904-12; Non-resident Lecturer on Nervous and Mental Diseases, University of Missouri School of Medicine, 1909-10; Associate in Neurology, and Associate Professor of Clinical Neurology, Washington University Medical School, 1913-19. Visiting Neurologist to the St. Louis City Hospital and Sanitarium, 1909-13; Neurologist to the Jewish Hospital. *Neurologist to Barnes and St. Louis Children's Hospitals; Chief of the Neurological Clinic, Washington University Dispensary, and Consulting Physician, St. Louis City Sanitarium.*

Humboldt Building

ERNEST SACHS, M.D. . . . *Professor of Clinical Neurological Surgery*
A.B., Harvard University, 1900; M.D., Johns Hopkins University, 1904; Interne, Mt. Sinai Hospital, New York, 1904-07; Clinical Clerk, National Hospital, London, 1908. Attending Neurological Surgeon to Montefiore Home and Beth Israel Hospitals, and Adjunct Assistant Attending Surgeon to Bellevue Hospital, New York, 1909-11. Associate in and Associate Professor of Surgery, Washington University Medical School, 1911-19. Associate Surgeon in Charge of Neurological Surgery, Jewish Hospital. *Associate Surgeon to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary; Consulting Surgeon, St. Louis City Sanitarium.*

97 Arundel Place

MAJOR GABRIEL SEELIG, M.D.*Professor of Clinical Surgery*

A.B., Harvard University, 1896; M.D., Columbia University, 1900; Interne and Resident Surgeon, Mount Sinai Hospital, New York City, 1900-03; Instructor, Assistant Professor, and Professor of Surgery, St. Louis University School of Medicine, 1904-19. Surgeon to the Jewish Hospital. *Assistant Surgeon to Barnes Hospital.*

University Club Building

HARRY STURGEON CROSSEN, M.D. . . .*Professor of Clinical Gynecology*

M.D., St. Louis Medical College, 1892; Interne, Senior Assistant, and Chief Assistant, St. Louis City Hospital, 1892-95; Superintendent and Surgeon in Charge, St. Louis Female Hospital, 1895-99; Clinical Assistant, Surgeon to Out Patients, and Chief of Gynecologic Dispensary, Washington University Hospital, 1901-11; Chairman of the Gynecological Staff of the St. Louis City Hospitals, 1910-12; Associate in Gynecology and in Clinical Gynecology, Washington University Medical School, 1912-21. Gynecologist, St. Luke's Hospital; Consulting Gynecologist, Jewish Hospital, St. John's Hospital, Bethesda Hospital, and St. Louis Maternity Hospital. *Gynecologist to Barnes and St. Louis Children's Hospitals; and Gynecologist in Chief to Washington University Dispensary.*

University Club Building

WILLIAM EWING SHAHAN, M.D.*Professor of Clinical Ophthalmology*

A.B., Washington University, 1901; M.D., 1904; A.M., 1912. Instructor in Chemistry, 1903, Assistant in Ophthalmology, 1914-17, Instructor and Associate in Clinical Ophthalmology, 1917-21, Washington University School of Medicine. *Ophthalmologist to Barnes and St. Louis Children's Hospitals, and Chief of the Ophthalmological Clinic, Washington University Dispensary.*

Metropolitan Building

ALBERT ERNEST TAUSSIG, M.D. . . .*Associate Professor of Clinical Medicine*

A.B., Harvard University, 1891; M.D., St. Louis Medical College, 1894; Interne, St. Louis City Hospital, 1894-95; Professor of Physiology, 1909, Clinical Professor of Medicine, 1910-12, and Associate in Medicine, 1912-14, Washington University Medical School; Visiting Physician, St. Louis City Hospital, 1914-21; Physician to the Jewish Hospital. *Assistant Physician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

3519 Washington Avenue

MEYER WIENER, M.D. *Associate Professor of Clinical Ophthalmology*

M.D., Missouri Medical College, 1896; Interne, St. Louis City Hospital, 1896-97. Visiting Surgeon, St. Louis City Hospital, 1914-21; Member of Staff of Jewish Hospital, Bethesda Hospital, St. Vincent's Asylum, and St. Louis Maternity Hospital. *Assistant Ophthalmologist to Barnes and St. Louis Children's Hospitals, and Surgeon to Out Patients, Washington University Dispensary.*

Carleton Building

JOHN ROBERTS CAULK, M.D. *Associate Professor of Clinical Genito-Urinary Surgery*

A.B., St. John's College, 1901, and A.M., 1912; M.D., Johns Hopkins University, 1906; Interne and Second Assistant Resident Physician, Union Protestant Infirmary, Baltimore, 1906-07; Assistant Resident Surgeon, Johns Hopkins Hospital, 1908-10. Instructor and Associate in Genito-Urinary Surgery, Washington University School of Medicine, 1911-21. Urologist to St. Luke's Hospital. *Associate Surgeon to Barnes Hospital, Urologist to St. Louis Children's Hospital, and Chief of the Clinic for Genito-Urinary Surgery, Washington University Dispensary.*

University Club Building

VILRAY PAPIN BLAIR, M.D. *Associate Professor of Clinical Surgery*

A.M., Christian Brothers College, 1890; M.D., St. Louis Medical College, 1893; Interne, St. Louis Mullanphy Hospital, 1893-95. Instructor in Practical Anatomy, Associate Professor of Anatomy, and Clinical Professor of Surgery, 1894-1912; Associate in Surgery and Associate in Clinical Surgery, 1912-22, Washington University School of Medicine. Visiting Surgeon to St. Luke's Hospital, St. Louis Maternity Hospital, and Mullanphy Hospital. *Associate Surgeon to Barnes and St. Louis Children's Hospitals.*

Metropolitan Building

FREDERICK JOSEPH TAUSSIG, M.D. *Associate Professor of Clinical Gynecology*

A.B., Harvard University, 1893; M.D., St. Louis Medical College, 1898; Interne and Assistant Superintendent, Female Hospital, St. Louis, 1898-1901. Instructor and Lecturer in Gynecology, 1906-09, Associate in Gynecology and in Clinical Gynecology, 1912-22, Washington University School of Medicine; Clinical Assistant, 1906-08, Surgeon to Out Patients, 1909-11, and Chief of Gynecological Out Patient Clinic, 1912-14,

Washington University Hospital; Gynecologist, Barnard Free Skin and Cancer Hospital; Obstetrician, St. Louis Maternity Hospital; Consulting Gynecologist, St. John's Hospital. *Assistant Gynecologist to Barnes Hospital, and Visiting Surgeon, St. Louis City Hospital.*

3519 Washington Avenue

BARNEY BROOKS, M.D. . . . *Associate Professor of Clinical Surgery*

B.S., University of Texas, 1905; M.D., Johns Hopkins University, 1911; Resident House Officer, Johns Hopkins Hospital, 1911-12. Assistant, Instructor, Associate in Surgery, and Associate in Clinical Surgery, Washington University School of Medicine, 1912-22. Resident Surgeon, Barnes Hospital, 1914-16. Assistant Surgeon, Jewish Hospital. *Associate Surgeon to Barnes and St. Louis Children's Hospitals, and Surgeon to Out Patients, Washington University Dispensary.*

5564 Enright Avenue

WARREN PHILO ELMER, M.D. *Associate Professor of Clinical Medicine*

M.D., University of Michigan, 1903; B.S., St. Louis University, 1906. Interne, University of Michigan Hospital, 1903-04. Assistant in Internal Medicine, University of Michigan, 1904-05; Instructor in, Assistant Professor of, Associate of, and Professor of Medicine, St. Louis University, 1905-22; Visiting Physician, St. Louis City Hospital, 1906-22. Physician in Charge, Missouri Pacific Hospital, and Consulting Physician, Jewish Hospital. *Assistant Physician, Barnes Hospital.*

University Club Building

WILLARD BARTLETT, M.D. *Associate in Clinical Surgery*

A.B., Illinois College, 1892, and A.M., 1898; M.D., Marion Sims College of Medicine, 1895. Demonstrator of Pathological Anatomy, University of Berlin, 1896-97; Voluntary Assistant, University of Strassburg, 1897-98; Professor of Pathology, Marion Sims College of Medicine, 1898-1901; Demonstrator and Professor of Experimental Surgery, Washington University Medical School, 1901-12. Chairman of Surgical Staff, St. Louis City Hospital, 1910-12. Surgeon to Missouri Baptist Sanitarium.

Metropolitan Building

MALVERN BRYAN CLOPTON, M.D. . . . *Associate in Clinical Surgery*

M.D., University of Virginia, 1897; Interne, Johns Hopkins Hospital, Baltimore, 1898-99. Instructor in Clinical Surgery, Washington University Medical School, 1906-10. Chief of Surgical Clinic, O'Fallon Dispensary.

sary, 1907-09; Associate Surgeon, St. Louis Mullanphy Hospital, 1907-15; Visiting Surgeon, St. Luke's Hospital. *Assistant Surgeon, Barnes Hospital, and Associate Surgeon, St. Louis Children's Hospital.*

Humboldt Building

*RALPH WALTER MILLS, M.D. . . . *Associate in Clinical Medicine*
B.S., University of Illinois, 1899; M.D., Marion Sims Medical College, 1902; Interne, Alexian Brothers Hospital, St. Louis, 1902-03. Assistant in Pathology, 1904-05, and Instructor in Dietetics, 1908-14, Washington University Medical School. *Assistant Physician and Roentgenologist to Barnes Hospital, and Gastro-enterologist to Out Patients, Washington University Dispensary.*

3701 Westminster Place

ARTHUR OSCAR FISHER, M.D. *Associate in Clinical Surgery*
A.B., University of Wisconsin, 1905; M.D., Johns Hopkins University, 1909; Resident House Officer and Assistant Resident Surgeon, Johns Hopkins Hospital, 1909-11. Assistant and Instructor in Surgery, Washington University Medical School, 1911-18. *Assistant Surgeon to Barnes and St. Louis Children's Hospitals; Medical Director, and Chief of the Surgical Clinic, Washington University Dispensary.*

Humboldt Building

LELAND BARTON ALFORD, M.D. . . *Associate in Clinical Neurology*
A.B., University of Missouri, 1908; M.D., Washington University, 1912. Acting Pathologist and Research Officer, Monson State Hospital, Palmer, Mass., 1910-11; Interne, Telfair Hospital, Savannah, 1912. Assistant in Pathology, 1912-14, and Instructor in Neurology, 1914-17, Washington University Medical School; Physician to Out Patients, Washington University Dispensary, 1914-23. *Assistant Neurologist to Barnes Hospital; Visiting Physician, St. Louis City Hospital.*

University Club Building

WILLIAM FREDERIC HARDY, M.D. . . *Associate in Clinical Ophthalmology*

M.D., Washington University, 1901; Interne, St. Louis City Hospital, 1901-02. Assistant and Instructor in Clinical Ophthalmology, Washington University School of Medicine, 1917-20; Visiting Surgeon to the St. Louis City Hospital, 1918-21. *Assistant Ophthalmologist to Barnes Hospital, and Surgeon to Out Patients, Washington University Dispensary.*

Humboldt Building

* Died February 15, 1924.

WILLIAM HARWOOD OLMSTED, M.D. *Associate in Clinical Medicine*

B.S., Coe College, 1909; M.D., Johns Hopkins University, 1913; Interne, Washington University Hospital, 1913-14. Assistant Resident Physician and Resident Physician, Barnes Hospital, 1914-17. *Assistant Physician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

Wall Building

GEORGE WADE WILSON, M.D. *Associate in Clinical Medicine*

A.B., St. Louis University, 1910; A.M., 1913; and M.D., 1914. Interne, Providence Hospital, Washington, D. C., 1914-15; Assistant Physician, Jewish Hospital, 1916-17. Assistant in Medicine and Pathology, St. Louis University School of Medicine, 1916-17; Fellow and Assistant in Pathology and Bacteriology, Rockefeller Institute for Medical Research, 1917-19; Professor, Head of Department of Pathology, Bacteriology, and Preventive Medicine, Loyola University School of Medicine, 1919-20; Associate in Medicine, Washington University School of Medicine, 1920-22. *Assistant Physician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

1515 Belleview Avenue

JAMES ARCHER O'REILLY, M.D. *Associate in Clinical Orthopedic Surgery*

A.B., Harvard University, 1902, and M.D., 1906; Interne, Carney Hospital, Boston, 1906-07. Assistant in Orthopedic Clinic, Children's Hospital, Boston; Instructor in Orthopedic Surgery, St. Louis University Medical School, 1907-11; Visiting Surgeon, St. Louis City Hospital, 1914-21. Orthopedic Surgeon to St. John's Hospital, Rebekah Hospital, and Mt. St. Rose Hospital. *Assistant Surgeon to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

3534 Washington Avenue

HARRY WEBSTER LYMAN, M.D. *Associate in Clinical Otolaryngology*

M.D., St. Louis College of Physicians and Surgeons, 1895; Interne, St. Louis Woman's Hospital, 1895-96; Clinical Clerk, London Hospital, 1900. Assistant, St. Louis College of Physicians and Surgeons, 1895-96; Consulting Otolologist, Rhinologist and Laryngologist, St. Louis City Hospital, 1905-10; Assistant Surgeon to Out Patients, Washington University Dispensary, 1910-16; Demonstrator and Professor of Anatomy, St.

Louis College of Physicians and Surgeons, 1900-07; Assistant in Otolaryngology, 1914-16, and Instructor in Clinical Otolaryngology, 1916-20, Washington University School of Medicine. Visiting Consultant in Diseases of the Ear, Nose, and Throat, U. S. Veterans' Hospital No. 92. *Assistant Otolaryngologist to Barnes and St. Louis Children's Hospitals, and Surgeon to Out Patients, Washington University Dispensary.*

Carleton Building

HUGH McCULLOCH, M.D. *Associate in Clinical Pediatrics, and Assistant Dean*

A.B., University of Arkansas, 1908; M.D., Johns Hopkins University, 1912; Resident House Officer, Washington University Hospital, 1912-13; Resident Physician, Washington University and Barnes Hospitals, 1912-15. Assistant in Medicine, 1913-15, Assistant and Instructor in Pediatrics, 1915-19, and Instructor in Clinical Pediatrics, 1919-21, Washington University School of Medicine. Physician, Community School. *Assistant Pediatrician, Barnes Hospital; Assistant Physician, St. Louis Children's Hospital; Physician to Out Patients, Washington University Dispensary.*

5857 Enright Avenue

THEODORE C. HEMPELMANN, M.D. *Associate in Clinical Pediatrics*

M.D., Washington University, 1908; Interne, St. Louis City Hospital, 1908-09. Assistant Physician to Out Patients, St. Louis Children's Hospital, 1911-13; Assistant and Instructor in Pediatrics, 1913-17, and Instructor in Clinical Pediatrics, 1917-21, Washington University School of Medicine. *Pediatrician to the Deaconess and St. Louis Maternity Hospitals. Associate Physician to St. Louis Children's Hospital; Assistant Pediatrician to Barnes Hospital; Physician to Out Patients, Washington University Dispensary, and Visiting Physician, St. Louis City Hospital and Infectious Disease Hospital.*

Metropolitan Building

GRANDISON DELANEY ROYSTON, M.D. *Associate in Clinical Obstetrics*

M.D., Washington University, 1907; Junior and Senior Obstetrical Resident, Washington University Hospital, 1907-09. Assistant in Obstetrics, and Instructor in Clinical Obstetrics, Washington University School of Medicine, 1913-22. Assistant Superintendent, St. Louis Female Hospital, 1910; Member of Medical Staff, St. Louis Maternity Hospital. *Associate Obstetrician to Barnes Hospital and Chief of the Obstetrical Clinic, Washington University Dispensary.*

Wall Building

HUGO EHRENFEST, M.D. *Associate in Clinical Obstetrics*

M.D., University of Vienna, 1894. Interne in Erste Frauenklinik, Vienna General Hospital, 1897-1899; Instructor, Associate Professor, and Professor of Obstetrics and Gynecology, St. Louis University School of Medicine, 1902-20; Medical Director of St. Louis Obstetric Dispensary, 1904-1921; Visiting Gynecologist to City Hospital, 1914-20; Obstetrician and Gynecologist to Jewish Hospital; Consulting Obstetrician to St. Louis Maternity Hospital. *Assistant Obstetrician, Barnes Hospital; Obstetrician to Out Patients, Washington University Dispensary.*

4333 McPherson Avenue

FREDERICK ENO WOODRUFF, M.D. *Associate in Clinical Ophthalmology*

A.B., Washington University, 1923; M.D., Missouri Medical College, 1897. Interne, St. Louis City Hospital, 1897; formerly Member of the Medical Staff of Martha Parsons' Free Hospital for Children, Member of the Medical Staff Bethesda Hospital and St. Louis Eye, Ear, Nose, and Throat Infirmary, and Surgeon to Out Patients, Washington University Hospital; Assistant and Instructor in Ophthalmology, Washington University Medical School, 1898-12; Assistant Professor of Ophthalmology, St. Louis University, 1922-23; Consulting Ophthalmologist, St. John's Hospital. *Assistant Ophthalmologist to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

Metropolitan Building

MILLARD FILLMORE ARBUCKLE, M.D. *Associate in Clinical Otolaryngology*

M.D., Washington University, 1909. Resident Physician, St. Louis Mulvanphy Hospital, 1909-10. Assistant and Instructor in Clinical Laryngology and Rhinology, Washington University School of Medicine, 1910-23; Assistant in Clinical Otology, 1921-23. *Assistant Oto-Laryngologist to Barnes and St. Louis Children's Hospitals; Chief of the Oto-Laryngological Clinic, Washington University Dispensary; Bronchoscopist to St. Louis City Hospital.*

University Club Building

ARTHUR WALTER PROETZ, M.D. *Associate in Clinical Oto-Laryngology*

A.B., Washington University, 1910, and M.D., 1912. Interne and Resident Assistant, St. Louis City Hospital, 1912-14; Assistant Surgeon to Out Patients in Otology, Washington University Dispensary, 1916-21; Assistant and Instructor in Clinical Laryngology and Rhinology, and in Clinical Otology, Washington University School of Medicine, 1921-23;

Assistant, Out Patient Department, St. Louis Mullanphy Hospital, 1914-23. *Assistant Oto-Laryngologist, Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary; Bronchoscopist to St. Louis City Hospital.*

University Club Building

WALTER BAUMGARTEN, M.D. . . . *Instructor in Clinical Medicine*

A.B., Johns Hopkins University, 1894; M.D., St. Louis Medical College, 1896; Interne, Female Hospital and St. Louis City Hospital, 1896-97. Assistant in Physiology, Harvard Medical School, 1897-98; Assistant in Medicine, Johns Hopkins Medical School, 1902-03; Instructor in Clinical Chemistry and Microscopy, Washington University Medical School, 1903-08. Member of the Medical Staff, St. Louis Maternity Hospital, 1908-13, and St. Louis Mullanphy Hospital, 1911-19. Member of the Medical Staff, St. Luke's Hospital. *Assistant Physician to Barnes Hospital; Physician to Out Patients, Washington University Dispensary.*

Humboldt Building

WILLIAM HEWSON MOOK, M.D. . . . *Instructor in Clinical Dermatology*

M.D., Beaumont Medical College, 1900; Interne, St. Louis City Hospital, 1900-01, and New York Skin and Cancer Hospital, 1903-05; Assistant to Superintendent, St. Louis Quarantine and Smallpox Hospital, 1901-02. Associate Professor of Dermatology, St. Louis University, 1910-12. Visiting Dermatologist, St. Louis City Hospital, 1910-12, 1914-20; Attending Physician, Barnard Free Skin and Cancer Hospital; Dermatologist, Missouri Pacific Railway Hospital, Frisco Railway Hospital, and Missouri Baptist Sanitarium. *Assistant Dermatologist to the Barnes Hospital and the St. Louis Children's Hospital, and Chief of the Dermatological Clinic, Washington University Dispensary.*

Wall Building

JEROME EPSTEIN COOK, M.D. . . . *Instructor in Clinical Medicine*

M.D., Washington University, 1905; Assistant Physician, St. Louis City Hospital, 1905-06. Professor of Bacteriology and General Pathology, Washington University Dental School, 1910-1922; Assistant in Medicine, Washington University Medical School, 1910-14; Visiting Physician, St. Louis City Hospital, 1914-21; Associate Physician to the Jewish Hospital; Consulting Physician, St. Louis Maternity Hospital. *Assistant Physician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

Metropolitan Building

LLEWELLYN SALE, M.D......*Instructor in Clinical Medicine*

M.D., Washington University, 1907; Interne, St. Louis City Hospital, 1907-08. Assistant Professor, St. Louis University School of Medicine, 1910-14; Assistant in Medicine, Washington University Medical School, 1914-16; Visiting Physician, St. Louis City Hospital, 1917-21. Associate Physician, Jewish Hospital; Consulting Physician, St. John's Hospital. *Physician to Out Patients, Washington University Dispensary.*

3519 Washington Avenue

ADRIEN BLEYER, M.D......*Instructor in Clinical Pediatrics*

M.D., Missouri Medical College, 1899; Assistant Physician, St. Louis City Hospital, 1899-1900, and Female Hospital, 1900-01. Lecturer on Hygiene, Medical Department of Washington University, 1907-11. Lecturer on Preventive Medicine, Washington University School of Medicine; Active Pediatrician, St. Louis Maternity Hospital. *Assistant Pediatrician, Barnes Hospital; Assistant Physician, St. Louis Children's Hospital; Physician to Out Patients, Washington University Dispensary; and Visiting Physician, St. Louis City Hospital.*

University Club Building

LOUIS HENRY HEMPELMANN, M.D......*Instructor in Clinical Medicine*

M.D., St. Louis Medical College, 1896; Interne, St. Louis City Hospital and City Insane Asylum, 1896-98. Assistant Superintendent, Insane Asylum, 1898; Instructor in Clinical Medicine, Washington University Medical School, 1904-12; Consultant, St. Louis City Hospital, 1909-11; Visiting Physician, St. Louis Mullanphy Hospital, 1900-18; Visiting Physician, Deaconess Hospital. *Physician to Out Patients, Washington University Dispensary.*

Metropolitan Building

JACOB JESSE SINGER, M.D......*Instructor in Clinical Medicine*

M.D., Washington University, 1904; Interne, St. Louis Female Hospital, 1904-06. Assistant Physician, City Dispensary, 1906-09. Consulting Physician, City Sanitarium, 1914-16; Consulting Physician, Lutheran Hospital; Physician to Night and Day Camp; Consultant to the Jewish Sanitarium, the Jewish Hospital, and the Missouri State Sanitarium; Physician to Out Patients, Washington University Dispensary, 1913-23. *Assistant Physician to Barnes Hospital.*

Metropolitan Building

WILLIAM MORGAN CASE BRYAN, M.D......*Instructor in Clinical Oto-Laryngology*

A.B., Washington University, 1897; M.S., University of Michigan, 1898; M.D., Johns Hopkins University, 1902; Interne, German Hospital, 1902-

04. Instructor, Ear, Nose and Throat Diseases, St. Louis University, 1908-16; Assistant in Clinical Laryngology and Rhinology, Washington University School of Medicine, 1917-19; Chief of Laryngological Clinic, Washington University Dispensary, 1919-21; Consultant in Oto-Laryngology, Alexian Brothers Hospital and St. John's Hospital. *Assistant Oto-Laryngologist to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary; Visiting Surgeon, St. Louis City Hospital.*

University Club Building

WALTER FISCHER, M.D. *Instructor in Clinical Medicine*

A.B., Harvard University, 1902; M.D., Washington University, 1905; Assistant Physician, St. Louis City Hospital, 1905-06. Clinical Assistant, 1908-09, Physician to Out Patients, 1909-14, Washington University Hospital; Physician to Out Patients, Washington University Dispensary, 1919-20. Assistant in Clinical Medicine, Washington University School of Medicine, 1909-19. Visiting Physician, St. Luke's Hospital. *Assistant Physician to Barnes Hospital, and Visiting Physician, St. Louis City Hospital.*

Humboldt Building

DREW WILLIAM LUTEN, M.D. . . . *Instructor in Clinical Medicine*

A.B., State University of Kentucky, 1901; M.D., Johns Hopkins University, 1911; Interne, St. Francis Hospital, Pittsburgh, 1911-12; Assistant Resident Physician and Resident Physician, Barnes Hospital, 1914-17; Assistant in Medicine, Washington University Medical School, 1915-17. Visiting Physician, St. Louis City Hospital, 1917-22. Consulting Physician, Frisco Hospital. *Assistant Physician to Barnes Hospital.*

University Club Building

EDWIN PARTRIDGE LEHMAN, M.D. . *Instructor in Clinical Surgery*

A.B., Williams College, 1910; M.D., Harvard University, 1914; Interne, Peter Bent Brigham Hospital, 1914-15. Assistant Resident Surgeon, Barnes Hospital, 1915-16, and Resident Surgeon, 1919-20. Assistant and Instructor in Surgery, Washington University School of Medicine, 1916-21. *Clinical Assistant in Surgery, Barnes Hospital; Surgeon to Out Patients, Washington University Dispensary; and Visiting Surgeon, St. Louis City Hospital.*

Lister Building

RICHARD SIMON WEISS, M.D. . *Instructor in Clinical Dermatology*

M.D., Washington University, 1909; Interne, St. Louis City Hospital, 1909-10. Visiting Physician, St. Louis City Hospital, 1914-15; Visiting

Physician, City Sanitarium and Isolation Hospital, St. Louis; Dermatologist to Lutheran Hospital; Assistant Dermatologist to the Jewish Hospital; Dermatologist to the Jewish Sanitarium. *Clinical Assistant, Barnes Hospital; Assistant Dermatologist, St. Louis Children's Hospital; Physician to Out Patients, Washington University Dispensary; and Visiting Physician, St. Louis City Hospital.*

Wall Building

ISAAC DEE KELLEY, JR., M.D. *Instructor in Clinical Oto-Laryngology*

B.S., St. Louis University, 1918, and M.D., 1908; Interne, St. Louis City Hospital, 1908-09. Assistant and Instructor in Ear, Nose, and Throat Diseases, St. Louis University, 1909-17; Assistant in Clinical Otology, Washington University School of Medicine, 1919-20. Consulting Oto-Laryngologist, St. Louis City Hospital, 1913-14; Oto-Laryngologist, St. Mary's Infirmary, 1913-20. *Assistant Oto-Laryngologist to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary; Visiting Surgeon, St. Louis City Hospital.*

Humboldt Building

CHARLES ALLEN STONE, M.D. . *Instructor in Clinical Orthopedic Surgery*

B.S., Blackburn College, 1904; M.D., Washington University, 1908; Interne, Martha Parsons Free Hospital for Children, 1908-09. Assistant Surgeon to Out Patients, Martha Parsons Free Hospital for Children and St. Louis Children's Hospital, 1908-14; Visiting Surgeon, St. Louis City Hospital, 1914-21; Orthopedic Surgeon to St. Louis Mullanphy Hospital; Consultant in Orthopedic Surgery, U. S. Veterans' Hospital No. 92. *Clinical Assistant in Orthopedic Surgery to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

3534 Washington Avenue

WARREN ROBERT RAINEY, M.D. . . *Instructor in Clinical Surgery*
M.D., Northwestern University, 1910. Interne and Resident, Mercy Hospital, Chicago, 1910-13. *Clinical Assistant to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary; and Visiting Surgeon, St. Louis City Hospital.*

University Club Building

QUITMAN UNDERWOOD NEWELL, M.D. *Instructor in Clinical Gynecology*

M.D., University of Alabama, 1911; Interne, Southern Infirmary, Mobile, 1911; House Officer, 1911-12, and Resident Obstetrician and Gynecologist,

1912-14, Washington University Hospital; Assistant in Obstetrics and in Clinical Obstetrics, Washington University School of Medicine, 1914-21; Surgeon to Out Patients, Washington University Dispensary, 1914-21; Clinical Assistant to Barnes Hospital, 1920-22; Obstetrician, St. Louis Maternity Hospital. *Assistant Gynecologist to Barnes and St. Louis Children's Hospitals, and Chief of the Gynecological Clinic, Washington University Dispensary.*

Wall Building

FREDERICK OSCAR SCHWARTZ, M.D. *Instructor in Clinical Ophthalmology*

M.D., Washington University, 1910. Assistant in Clinical Ophthalmology, Washington University School of Medicine, 1919-21. Consulting Oculist, St. Anthony's Hospital. *Clinical Assistant to Barnes Hospital; Surgeon to Out Patients, Washington University Dispensary; and Visiting Surgeon, St. Louis City Hospital.*

Metropolitan Building

MARTIN HAYWARD POST, M.D. *Instructor in Clinical Ophthalmology*

A.B., Amherst College, 1908; M.D., Johns Hopkins University, 1912; Interne, St. Louis City Hospital, 1912-13; Assistant Ophthalmologist, St. Louis Children's Hospital, 1913-14; Assistant in Clinical Ophthalmology, Washington University School of Medicine, 1919-21; Member of Staff, St. Luke's Hospital. *Clinical Assistant to Barnes Hospital; Surgeon to Out Patients, Washington University Dispensary; and Visiting Surgeon, St. Louis City Hospital.*

Metropolitan Building

LAWRENCE TYLER POST, M.D. . . . *Instructor in Clinical Ophthalmology*

A.B., Yale University, 1909; M.D., Johns Hopkins University, 1913; Interne, Johns Hopkins Hospital, 1913-14. Associate in Surgery, South Baltimore Eye, Ear, Nose, and Throat Hospital, 1914-15; Assistant in Clinical Ophthalmology, Washington University School of Medicine, 1919-21. *Clinical Assistant to Barnes Hospital; Assistant Ophthalmologist, St. Louis Children's Hospital; and Surgeon to Out Patients, Washington University Dispensary.*

Metropolitan Building

MAX WILLIAM JACOBS, M.D. *Instructor in Clinical Ophthalmology*

A.B., Washington University, 1902; M.D., 1905. Interne, St. Louis City Hospital, 1905-06; Junior Assistant, University Eye Clinic, Vienna, 1910-

11; Assistant in Clinical Ophthalmology, Washington University School of Medicine, 1920-21; Assistant in Ophthalmology, Jewish Hospital. *Clinical Assistant to Barnes Hospital; Surgeon to Out Patients, Washington University Dispensary; and Visiting Surgeon, St. Louis City Hospital.*

Carleton Building

ADOLPH HENRY CONRAD, M.D. *Instructor in Clinical Dermatology*

M.D., St. Louis University, 1906. Associate Physician, Barnard Free Skin and Cancer Hospital, 1908-15; Assistant in Clinical Dermatology, Washington University School of Medicine, 1918-22. *Clinical Assistant, Barnes Hospital; Physician to Out Patients, Washington University Dispensary, and Visiting Physician, St. Louis City Hospital.*

Wall Building

FRANK POWELL McNALLEY, M.D. *Instructor in Clinical Obstetrics*

B.S., Washington University, 1915; M.D., 1917. Interne, 1917-18, and Resident Obstetrician and Gynecologist, 1918-20, Barnes Hospital; Assistant in Clinical Obstetrics, Washington University School of Medicine, 1918-22. *Clinical Assistant to Barnes Hospital, and Obstetrician to Out Patients, Washington University Dispensary.*

Wall Building

FRANK DE VORE GORHAM, M.D. . *Instructor in Clinical Medicine*

A.B., Indiana University, 1910; M.D., Washington University, 1912; Interne, Washington University Hospital, 1912-13; Volunteer Assistant in Medicine, New York Post-Graduate Hospital, 1914; Resident Physician, Private Pavilion, Lenox Hill Hospital, New York City, 1915; Volunteer Assistant in Clinic of Professor Carl Von Noorden, Frankfort A. M., Germany, 1916; Assistant in Clinical Medicine, Washington University School of Medicine, 1919-22; Visiting Physician, St. Luke's Hospital and Bethesda Hospital. *Physician to Out Patients, Washington University Dispensary.*

Lister Building

OTTO ST. CLAIR KREBS, M.D. . . . *Instructor in Clinical Obstetrics*

B.S., Washington University, 1917, and M.D., 1919. Interne, Assistant Resident, and Resident Obstetrician and Gynecologist, Barnes Hospital, 1918-21. Assistant in Clinical Obstetrics and in Obstetrics, Washington University School of Medicine, 1920-22; Instructor in Obstetrics, 1922-23.

Clinical Assistant to Barnes Hospital, and Obstetrician to Out Patients, Washington University Dispensary.

4907 West Pine Boulevard

REINHARD ERNEST WOBUS, M.D. *Instructor in Clinical Gynecology*

M.D., Washington University, 1905. Roentgenologist, Washington University Hospital, 1905-06; Assistant in Clinical Gynecology, Washington University Hospital Dispensary, 1906-12; Associate in Gynecology, Barnard Free Skin and Cancer Hospital, 1910-13; Assistant in Surgery, Jewish Hospital Dispensary, 1916-18; Visiting Surgeon, St. Louis City Hospital, 1917-21; Assistant in Clinical Gynecology, Washington University School of Medicine, 1921-22; Obstetrician, St. Louis Maternity Hospital.

Metropolitan Building

EDWARD VERNON MASTIN, M.D. *Instructor in Anatomy and Assistant in Clinical Surgery*

M. D., University of Pennsylvania, 1916; M.S., University of Minnesota, 1922. Interne, Philadelphia Polyclinic, 1916-17, and St. Mary's and Colonial Hospitals, Rochester, Minn., 1919-20. Fellow in Surgery, Mayo Foundation, 1917-18 and 1919-22. Consulting Surgeon, Missouri Pacific Railroad Hospital. *Surgeon to Out Patients, Washington University Dispensary; Visiting Surgeon, St. Louis City Hospital.*

Wall Building

WAYNE ARTHUR RUPE, M.D. *Instructor in Clinical Pediatrics*

A.B., University of Missouri, 1916; M.D., Washington University, 1918. Interne, Assistant Resident Physician, and Resident Physician, St. Louis Children's Hospital, 1918-22; Assistant in Pediatrics, Washington University School of Medicine, 1920-22. *Assistant Pediatrician to Barnes Hospital; Assistant Physician to St. Louis Children's Hospital; Physician to Out Patients, Washington University Dispensary.*

Wall Building

ADOLPH GEORGE SCHLOSSSTEIN, M.D. *Instructor in Clinical Obstetrics*

M.D., St. Louis Medical College, 1894; Interne, St. Louis City Hospital, and Female Hospital, and Physician to City Dispensary, 1894-96; Interne, Frauenklinik, Munich, 1897. Clinical Assistant, Instructor and Lecturer, Washington University Medical School, 1899-1912; Assistant in Clinical Obstetrics, 1912-23; Surgeon to Out Patients, Washington University Dispensary, 1919-21. *Assistant Obstetrician to Barnes Hospital.*

3153 Longfellow Boulevard

EDWARD LEE DORSETT, M.D. . . . *Instructor in Clinical Obstetrics*

M.D., St. Louis University, 1906. Interne, St. Louis City Hospital, 1906-07; Assistant and Instructor in Obstetrics and Gynecology, St. Louis University School of Medicine, 1908-16. Gynecologist and Obstetrician, Missouri Baptist Sanitarium and Evangelical Deaconess Hospital; Obstetrician, St. Louis Maternity Hospital; Visiting Gynecologist, State Hospital No. 1, Fulton, Mo.; Assistant in Clinical Obstetrics, Washington University School of Medicine, 1921-23. *Assistant Obstetrician, Barnes Hospital; Obstetrician to Out Patients, Washington University; and Visiting Obstetrician, St. Louis City Hospital.*

University Club Building

JULIAN YERKES MALONE, M.D. . *Instructor in Pharmacology and Assistant in Clinical Ophthalmology*

A.B., Ripon College, 1915; M.S., University of Wisconsin, 1917; M.D., Washington University, 1921. Interne, Barnes Hospital, 1921-22. Assistant in Biology, Ripon College, 1914-15; Assistant in Zoölogy, 1915-16, and Assistant and Instructor in Pharmacology and Toxicology, 1916-18, University of Wisconsin; Instructor in Pharmacology, 1919 and 1923-, and Fellow in Neurological Surgery, 1919-22, Washington University School of Medicine; Assistant Surgeon and Surgeon to Out Patients, Washington University Dispensary, 1922-24.

5014 Cabanne Avenue

WALTER CHARLES GEORGE KIRCHNER, M.D. . *Assistant in Clinical Surgery*

A.B., Washington University, 1897; M.D., 1901; Interne, St. Louis City Hospital, 1901-03. Assistant and Instructor in Bacteriology, Washington University Medical Department, 1903-05. Assistant Bacteriologist, Health Department, St. Louis, 1901; Assistant Superintendent, 1903-07, Superintendent, and Surgeon in Charge, 1907-10, St. Louis City Hospital; Consulting Surgeon, St. John's Hospital. *Visiting Surgeon, St. Louis City Hospital.*

Metropolitan Building

WILLIAM MURRAY ROBERTSON, M.D. *Assistant in Clinical Genito-Urinary Surgery*

M.D., University of Virginia, 1889; Interne, New York City Hospital, 1890-91. Instructor in Genito-Urinary Surgery, Medical Department of Washington University, 1905-11; Associate Genito-Urinary Surgeon, St. Louis Mullanphy Hospital, 1904-08; Surgeon to Out Patients, Washing-

ton University Hospital and Dispensary, 1905-11; Genito-Urinary Surgeon, Jewish Hospital and St. Louis Mullanphy Hospital. *Visiting Surgeon, St. Louis City Hospital.*

Humboldt Building

HENRY MCCLURE YOUNG, M.D. . . . *Assistant in Clinical Genito-Urinary Surgery*

A.B., Yale University, 1899; M.D., Washington University, 1908; Interne, St. Louis City Hospital, 1908-09; Voluntary Assistant, University of Koenigsberg, 1909-10; Instructor in Surgery, St. Louis University School of Medicine, 1911-13; Assistant Genito-Urinary Surgeon, St. Louis Mullanphy Hospital, 1913-15; Surgeon to Out Patients, Washington University Dispensary, 1914-20. Consultant in Genito-Urinary Surgery to the U. S. Veterans' Hospital No. 92. *Visiting Surgeon, St. Louis City Hospital.*

University Club Building

JOSEPH WILLIAM LARIMORE, M.D. . . *Assistant in Clinical Medicine*

A.B., DePauw University, 1908; M.D., Washington University, 1913; Interne, Washington University Hospital, 1913-14. Member of the Medical Board, Barnard Free Skin and Cancer Hospital. Visiting Physician, Robert Koch Hospital; Physician to Out Patients, Washington University Dispensary, 1915-23. *Assistant Roentgenologist to Barnes Hospital.*

University Club Building

OLIVER HOWARD CAMPBELL, M.D. . . *Assistant in Clinical Medicine*

M.D., Missouri Medical College, 1899; Interne, St. Louis City Hospital, 1899-1900. Assistant Physician to Out Patients, Washington University Hospital Dispensary, 1903-11; Instructor in Physiology, Washington University Dental School, 1907. *Visiting Physician, St. Louis City Hospital.*

3542 Washington Avenue

CHARLES HERMANN EYERMANN, M.D. *Assistant in Clinical Medicine*

M.D., St. Louis University, 1911; Interne and Assistant Resident Physician, 1911-13, and Resident Internist, 1915, St. Louis City Hospital; Member of the Staff of St. Louis Mullanphy Hospital, 1922. *Physician to Medical Students, Washington University; Assistant Physician to Barnes Hospital, and Physician to Out Patients, Washington University Dispensary.*

Humboldt Building

RALEIGH K. ANDREWS, M.D.*Assistant in Clinical Medicine*

B.S., University of Nebraska, 1915; M.D., Washington University, 1916. Interne, St. Louis Children's Hospital, 1916-17; Assistant Resident and Resident Physician, Barnes Hospital, 1917-19. Physician to Out Patients, Washington University Dispensary, 1920. Visiting Physician, St. Louis City Hospital, 1920-21. *Physician to Out Patients, Washington University Dispensary.*

Wall Building

HARRY G. GREDITZER, M.D.*Assistant in Clinical Genito-Urinary Surgery*

M.D., Washington University, 1912; Interne, Washington University Hospital, 1912-13. Assistant Surgeon to Out Patients, Washington University Dispensary, 1913-17. *Clinical Assistant to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

University Club Building

MAURICE JULIUS LONSWAY, M.D. . . .*Assistant in Clinical Pediatrics*

B.S., Valparaiso University, 1910; M.D., St. Louis University, 1914. Interne, Washington University Hospital, 1914-15; Resident Physician, St. Louis Children's Hospital, 1917-18. *Assistant Pediatrician, Barnes Hospital; Assistant Physician to St. Louis Children's Hospital, and Physician to Out Patients, Washington University Dispensary.*

Wall Building

LIONEL SINCLAIR LUTON, M.D. . . .*Assistant in Clinical Medicine*

M.D., Rush Medical College, 1900; Interne, Cook County Hospital, Chicago, 1900-01; Pathologist, St. Louis Children's Hospital, 1904-06; Visiting Physician, St. Louis Children's Hospital, 1906-10; Chairman, St. Louis City Hospital Visiting Staff, 1912-14. Acting Professor of Physiology, Washington University Dental School, 1917-18. *Visiting Physician, St. Louis City Hospital.*

Metropolitan Building

ARTHUR EDGAR STRAUSS, M.D. . . .*Assistant in Clinical Medicine*

S.B., Harvard University, 1912, and M.D., 1917; Interne, Massachusetts General Hospital, 1915-16; R. B. Mellon Fellow in Internal Medicine, University of Pittsburgh Medical School, 1916-17; Assistant Visiting Physician, Jewish Hospital; Assistant Physician, Jewish Home for Chronic Invalids. *Chief of Medical Clinic, Washington University Dispensary.*

University Club Building

ADOLPH MITCHELL FRANK, M.D. . . . *Assistant in Clinical Medicine*

M.D., University of Illinois, 1913; Interne, German Hospital, Chicago, 1913-14. Consultant, U. S. Veterans' Bureau. *Physician to Out Patients, Washington University Dispensary.*

Carleton Building

EUGENE ROBERT VAN METER, M.D. *Assistant in Clinical Oto-Laryngology*

M.D., Washington University, 1905. *Assistant Oto-Laryngologist to Barnes and St. Louis Children's Hospitals, and Surgeon to Out Patients, Washington University Dispensary.*

University Club Building

JOSEPH EDGAR STEWART, M.D. . . *Assistant in Clinical Orthopedic Surgery*

M.D., University of Pennsylvania, 1914. Assistant Surgeon to Out Patients, Washington University Dispensary, 1915-20. *Clinical Assistant to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary; and Visiting Surgeon, St. Louis City Hospital.*

University Club Building

JAMES LEWALD, M.D. *Assistant in Clinical Psychiatry*

M.D., Washington University, 1911; Interne, St. Louis City Hospital, 1911-12; Assistant Physician, St. Louis City Sanitarium, 1912-14; Assistant Superintendent, 1914-22; Consultant, 1922-. Attending Specialist in Neuro-Psychiatry, U. S. Veterans' Bureau. *Physician to Out Patients, Washington University Dispensary.*

Chouteau Trust Building

PARK JERAULD WHITE, M.D. . . . *Assistant in Clinical Pediatrics*

A.B., Harvard University, 1913; M.D., Columbia University, 1917. Interne, New York Hospital, 1917-18; Assistant Physician to Out Patients, Washington University Dispensary, 1919-21. *Assistant Pediatrician, Barnes Hospital; Assistant Physician, St. Louis Children's Hospital; and Physician to Out Patients, Washington University Dispensary.*

5253 Cabanne Avenue

DALTON KEATS ROSE, M.D. . . *Assistant in Clinical Genito-Urinary Surgery*

M.D., Washington University, 1915. Interne and Assistant Resident, Barnes Hospital, 1915-18; Assistant Surgeon to Out Patients, Washing-

ton University Dispensary, 1919-21. *Clinical Assistant to Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

Wall Building

EARL CALVIN PADGETT, M.D. *Assistant in Clinical Surgery*
B.S., University of Kansas, 1916; M.D., Washington University, 1918. Interne, Assistant Resident, and Acting Resident Surgeon, Barnes Hospital, 1919-22. *Clinical Assistant, Barnes and St. Louis Children's Hospitals.*

Metropolitan Building

GROVES BLAKE SMITH, M.D. *Assistant in Clinical Neurology and in Child Psychology*
M.D., Columbia University, 1916. Interne, Bellevue Hospital, 1916-17. *Physician to Out Patients, Washington University Dispensary.*

Godfrey, Illinois

CHARLES DARRELL O'KEEFE, M.D. *Assistant in Clinical Gynecology*
A.B., University of Missouri, 1916; M.D., Washington University, 1918. Interne, Assistant Resident, and Resident Obstetrician and Gynecologist, Barnes Hospital, 1919-22; Assistant in Obstetrics, Washington University School of Medicine, 1921-22; Assistant in Gynecological Surgery, 1922-23. *Clinical Assistant to Barnes Hospital, and Surgeon to Out Patients, Washington University Dispensary.*

Wall Building

BENNETT YOUNG ALVIS, M.D. *Assistant in Clinical Ophthalmology*
B.S., St. Louis University, 1916; M.D., 1918. Assistant in Anatomy, St. Louis University, 1916-18; Research Fellow and Assistant in Surgery, Washington University School of Medicine, 1918-20. *Surgeon to Out Patients, Washington University Dispensary, and Visiting Surgeon, St. Louis City Hospital.*

Carleton Building

AMALIE MARIE NAPIER, M.D. *Assistant in Clinical Ophthalmology*
M.D., Barnes Medical College, 1908. Voluntary Assistant Surgeon, Eye Clinic, and Service, Ancon Hospital, Canal Zone, 1909-15; Assistant Sur-

geon to Out Patients, Washington University Dispensary, 1915-21. *Surgeon to Out Patients, Washington University Dispensary.*

University Club Building

JOHN RUSSELL VAUGHAN, M.D. *Assistant in Clinical Gynecology*

M.D., Washington University, 1910. Interne, Washington University Hospital, 1910-11. *Surgeon to Out Patients, Washington University Dispensary.*

University Club Building

ARCHIE DREYFUS CARR, M.D. . . . *Assistant in Clinical Neurology*

B.S., Washington University, 1918; M.D., 1921. Interne and Assistant Resident Physician, Barnes Hospital, 1921-23. Assistant in Neurology, Washington University School of Medicine, 1922-23. *Physician to Out Patients, Washington University Dispensary.*

5044 Raymond Avenue

RAYMOND MILLS SPIVY, M.D. . . *Assistant in Clinical Gynecology*

M.D., Washington University, 1907. Interne, St. Louis City Hospital, 1907, and St. Luke's Hospital, 1908; Chief Physician to St. Louis City Infirmary, 1909-10; Assistant Surgeon and Surgeon to Out Patients, Washington University Dispensary, 1912-20; Associate Gynecologist, Barnard Free Skin and Cancer Hospital, 1919-21; Assistant in Clinical Obstetrics, Washington University School of Medicine, 1920-21; Active Obstetrician, St. Louis Maternity Hospital. *Visiting Surgeon, St. Louis City Hospital.*

University Club Building

TRESTON REED AYARS, M.D. . . . *Assistant in Clinical Gynecology*

M.D., St. Louis University, 1902. Interne, Female Hospital, St. Louis, 1902; Assistant in Obstetrics, 1905-09; Instructor in Operative Surgery on the Cadaver, St. Louis University School of Medicine, 1906-09; Professor of Obstetrics, St. Louis College of Physicians and Surgeons, 1910-12, 1913 and 1914. *Surgeon to Out Patients, Washington University Dispensary.*

University Club Building

WILLIAM LUDWIG HANSON, M.D. *Assistant in Clinical Oto-Laryngology*

M.D., Washington University, 1913. Interne, St. Louis City Hospital, 1913-15. *Assistant Oto-Laryngologist, Barnes and St. Louis Children's*

Hospitals, and Surgeon to Out Patients, Washington University Dispensary.

Murphy Building, E. St. Louis

HENRY SPENCE BROOKES, JR., M.D. *Assistant in Clinical Surgery*

M.D., Washington University, 1917. Interne, St. Louis City Hospital, 1917-18; Assistant Surgeon to Out Patients, Washington University Dispensary, 1920-23. *Surgeon to Out Patients, Washington University Dispensary.*

3557 Lafayette Avenue

JACOB G. PROBSTEN, M.D. *Assistant in Clinical Surgery*

M.D., Loyola University, 1917. Interne, New Grant Hospital of Chicago, 1917-18; Assistant in Surgery, Jewish Hospital Dispensary, 1919-21; Assistant in Surgery, Jewish Hospital, 1922-. Assistant Surgeon to Out Patients, Washington University Dispensary, 1921-22. *Surgeon to Out Patients, Washington University Dispensary.*

453 N. Taylor Avenue

SAMUEL EDWARD PESETKE, M.D. *Assistant in Clinical Pediatrics*

M.D., Washington University, 1919. Interne, St. Louis Children's Hospital, 1919-20; Assistant Physician to Out Patients, Washington University Dispensary, 1920-23. *Assistant Physician, St. Louis Children's Hospital; Physician to Out Patients, Washington University Dispensary.*

4668 Pershing Avenue

CHARLES LUDVEY DAVIS, M.D. *Assistant in Clinical Otolaryngology*

M.D., St. Louis University, 1908. Interne, Frisco Hospital, 1908-09. Assistant Physician to Out Patients, Washington University Dispensary, 1919-23. *Clinical Assistant, Barnes and St. Louis Children's Hospitals, and Surgeon to Out Patients, Washington University Dispensary.*

24 S. Gore Avenue, Webster Groves

SAMUEL BECKER GRANT, M.D. *Assistant in Clinical Medicine*

B.S., Washington University, 1918; M.D., 1920. Interne, Peter Bent Brigham Hospital, 1920-22; Johns Hopkins Hospital, March to May, 1922; Assistant Resident Physician, Peter Bent Brigham Hospital, 1922-23.

Wall Building

GEORGE EDWIN HOURN, M.D. *Assistant in Clinical Oto-
Laryngology*

D.D.S., University of Michigan, 1903; M.D., Washington University, 1913. Interne, St. Louis City Hospital, 1913-14; Resident, St. Louis Children's Hospital, 1914. Member, Mullanphy Hospital Staff; Consultant, Barnard Free Skin and Cancer Hospital. *Assistant Oto-Laryngologist, Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

University Club Building

ARTHUR MAXWELL ALDEN, M.D. *Assistant in Clinical Oto-
Laryngology*

A.B., University of Oklahoma, 1907; A.M., 1909; M.D., St. Louis University, 1915. Interne, Santo Tomas Hospital, Panama, 1915-16. Instructor in Bacteriology, St. Louis University, 1914-15; Director, Oto-Laryngologic Service, Walter Reed General Hospital, 1919-21. Consultant in Oto-Laryngology, State Tuberculosis Sanatorium, Mt. Vernon, Mo., and State Colony for Feeble-Minded and Epileptic, Marshall, Mo. *Assistant Oto-Laryngologist, Barnes and St. Louis Children's Hospitals; Surgeon to Out Patients, Washington University Dispensary.*

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Medicine

Ralph A. Kinsella, M.D.	Associate Physician (Acting Physician in Chief)
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* Died February 15, 1924.

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Arthur O. Fisher, M.D.	}	. . .	Assistant Surgeons
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Quitman U. Newell, M.D.	}	. . .	Assistant Gynecologists
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William L. Hanson, M.D.		
George Hourn, M.D.		
Arthur M. Alden, M.D.	}	. . Clinical Assistants in Oto-Laryngology
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Meyer Wiener, M.D.		
William F. Hardy, M.D.		
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Max W. Jacobs, M.D.		
Lawrence Post, M.D.		
M. Hayward Post, M.D.		
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Winfred L. Post, M.D.		
		. . . House Officer in Ophthalmology and Oto-Laryngology
Martin F. Engman, M.D.		. . . Dermatologist
William H. Mook, M.D.		. . . Assistant Dermatologist
Richard S. Weiss, M.D.	}	. . Clinical Assistants in Dermatology
Adolph H. Conrad, M.D.		
Sidney I. Schwab, M.D.		. . . Neurologist
Leland B. Alford, M.D.		. . . Assistant Neurologist
Frank H. Ewerhardt, M.D.		. . . Physician in Charge of Physical Therapeutics
R. Walter Mills, M.D.*	}	. . Roentgenologists
Sherwood Moore, M.D.		
Joseph W. Larimore, M.D.	}	. . Assistant Roentgenolo- gists
Oscar C. Zink, M.D.		
Edward H. Lane, M.D.		. . . Anaesthetist

Pathology

Frank A. McJunkin, M.D.	. . . Associate Pathologist
L. S. Newman Walsh, M.D.	. . . Assistant Pathologist
Roland W. Stuebner, M.D.	. . . Resident Pathologist

* Died February 15, 1924.

THE ST. LOUIS CHILDREN'S HOSPITAL

Louis H. Burlingham, M.D.	. . .	Administrator
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Evarts A. Graham, M.D.	. . .	Surgeon in Chief
McKim Marriott, M.D.	. . .	Physician in Chief
Joseph Erlanger, M.D.	. . .	Physiologist
Philip A. Shaffer, Ph.D.	. . .	Chemist
Robert J. Terry, M.D.	. . .	Anthropologist
Herbert S. Gasser, M.D.	. . .	Pharmacologist

Pediatrics

George M. Tuttle, M.D.	}	. . Consulting Physicians
Borden S. Veeder, M.D.		
Philip C. Jeans, M.D.	}	. . Associate Physicians
Theodore C. Hempelmann, M.D.		
Hugh McCulloch, M.D.	}	
Jean V. Cooke, M.D.		
Samuel W. Clausen, M.D.	}	
Adrien Bleyer, M.D.		
Maurice J. Lonsway, M.D.	}	. . Assistant Physicians
Park J. White, M.D.		
Wayne A. Rupe, M.D.	}	
Samuel E. Pesetke, M.D.		
Kenneth H. Tallerman, M.B.	}	
Alexis F. Hartmann, M.D.		
Clifford L. Lamar, M.D.	}	. . Assistant Resident Physicians
Benjamin J. Berger, M.D.		
William W. Belford, M.D.	}	
Howard R. Cooder, M.D.		
Armin C. Hofsommer, M.D.	}	. . House Officers
Thomas M. Watson, M.D.		
Dorothy Worthington, M.D.	}	

Surgery

Ernest Sachs, M. D.	}	. . Associate Surgeons
Malvern B. Clopton, M.D.		
Vilray P. Blair, M.D.		
Barney Brooks, M.D.	}	. . Assistant Surgeons
Archer O'Reilly, M.D.		
Arthur O. Fisher, M.D.		
Warren R. Rainey, M.D.	}	. . Clinical Assistants
Charles A. Stone, M.D.		
Earl C. Padgett, M.D.		
Harry G. Greditzer, M.D.		
Dalton K. Rose, M.D.		
J. Edgar Stewart, M.D.		

Special Departments

John B. Shapleigh, M.D.	Consultant in Otology
Greenfield Sluder, M.D.	Oto-Laryngologist
Harry W. Lyman, M.D.	}	. . Assistant Oto- Laryngologists
Millard F. Arbuckle, M.D.		
Arthur W. Proetz, M.D.		
William M. C. Bryan, M.D.		
Isaac D. Kelley, M.D.		
Eugene R. Van Meter, M.D.	}	. . Clinical Assistants in Oto-Laryngology
William L. Hanson, M.D.		
George Hourn, M.D.		
Arthur M. Alden, M.D.		
Charles L. Davis, M.D.		
Richard J. Payne, M.D.	}	. . Ophthalmologist
William F. A. Schultz, M.D.		
F. Clemont Howard, M.D.		
Edward H. Lane, M.D.	}	. . Assistant Ophthalmolo- gists
French K. Hansel, M.D.		
William E. Shahan, M.D.		
Lawrence Post ^t , M.D.	}	. . Dermatologist
Meyer Wiener, M.D.		
Frederick E. Woodruff, M.D.		
Martin F. Engman, M.D.	

William H. Mook, M.D.	}	. . . Assistant Dermatologists
Richard S. Weiss, M.D.		
Sidney I. Schwab, M.D.		Neurologist
John R. Caulk, M.D.		Urologist
Harry S. Crossen, M.D.		Gynecologist
Quitman U. Newell, M.D.		Assistant Gynecologist
Frank A. McJunkin, M.D.		Associate Pathologist
Roland W. Stuebner, M.D.		Resident Pathologist
Sherwood Moore, M.D.		Roentgenologist
Oscar C. Zink, M.D.		Assistant Roentgenologist
Roy C. Mallory, D.D.S.		Dentist
Virgil Loeb, M.D., D.D.S.		Stomatologist

WASHINGTON UNIVERSITY DISPENSARY, OUT-
PATIENT DEPARTMENT OF THE BARNES AND
THE ST. LOUIS CHILDREN'S HOSPITALS

Arthur O. Fisher, M.D.	Medical Director
Augusta K. Mathieu, R.N.	Superintendent
Ralph A. Kinsella, M.D.	Acting Physician in Chief
Evarts A. Graham, M.D.	Surgeon in Chief
McKim Marriott, M.D.	Pediatrician in Chief
Otto H. Schwarz, M.D.	Obstetrician in Chief
Harry S. Crossen, M.D.	Gynecologist in Chief
Greenfield Sluder, M.D.	Oto-Laryngologist in Chief
Martin F. Engman, M.D.	Dermatologist in Chief
R. Walter Mills, M.D.*	Gastro-Enterologist to Out Patients
Flora Robinson	Registrar

Medicine

Arthur E. Strauss, M.D.	Chief of Clinic
---------------------------------	-----------------

* Died February 15, 1924.

General Medical Division

Albert E. Taussig, M.D.	}	. . Physicians to Out Patients
George W. Wilson, M.D.		
Walter Baumgarten, M.D.		
Jerome E. Cook, M.D.		
Llewellyn Sale, M.D.	}	. . Assistant Physicians to Out Patients
Louis H. Hempelmann, M.D.		
Percy Newman, M.D.		
Maurice J. Press, M.D.		
Guy Simpson, M.D.		

Cardiovascular Division

Arthur E. Strauss, M.D.	. . . .	Physician in Charge
Charles M. Gruber, M.D.	}	. . Physicians to Out Patients
Paul S. Barker, M.D.		
Horace H. Shackelford, M.D.	}	. . Assistant Physicians to Out Patients
Hiram S. Liggett, M.D.		

Gastro-Intestinal Division

Frank D. Gorham, M.D.	. . . .	Physician in Charge
Lee P. Gay, M.D.	}	. . Assistant Physicians to Out Patients
Edward Hanson, M.D.		
Edward F. Sievers, M.D.		

Tuberculosis and Bronchial Asthma Division

Charles H. Eyermann, M.D.	. . . .	Physician in Charge
Adolph M. Frank, M.D.*	}	. . Physicians to Out Patients
Anthony B. Day		
J. Lee Marder, M.D.	Assistant Physician to Out Patients

Diabetes Division

William H. Olmsted, M.D.	Physician in Charge
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Surgery

Arthur O. Fisher, M.D.	Chief of Clinic
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* On leave of absence.

Ernest Sachs, M.D.	}	. . Surgeons to Out Patients
Montrose T. Burrows, M.D.		
Barney Brooks, M.D.		
Edwin P. Lehman, M.D.		
Warren R. Rainey, M.D.		
Henry S. Brookes, Jr., M.D.		
Jacob G. Probststein, M.D.		
Edward V. Mastin, M.D.		
Glover H. Copher, M.D.	}	. . Assistant Surgeons to Out Patients
Warren H. Cole, M.D.		
Fred A. Jostes, M.D.		

Obstetrics

Grandison D. Royston, M.D.	. . .	Chief of Clinic
Otto S. Krebs, M.D.	}	. . Obstetricians to Out Patients
E. Lee Dorsett, M.D.		
Frank P. McNalley, M.D.		
Hugo Ehrenfest, M.D.		
Richard Paddock, M.D.		
Raleigh K. Andrews, M.D.	. . .	Physician to Out Patients

Gynecology

Quitman U. Newell, M.D.	Chief of Clinic
John R. Vaughan, M.D.	}	. . Surgeons to Out Patients
Charles D. O'Keefe, M.D.		
Reinhard E. Wobus, M.D.		
Treston R. Ayars, M.D.	}	. . Assistant Surgeons to Out Patients
Oscar O. Smith, M.D.		
Francis J. Canepa, M.D.		

Pediatrics

Philip C. Jeans, M.D.	Chief of Clinic
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Adrien Bleyer, M.D.		
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Park J. White, M.D.		
Samuel E. Pesetke, M.D.		
Wayne A. Rupe, M.D.		
Kenneth H. Tallerman, M.B.		

Edwin H. Rohlfing, M.D. Assistant Physician
to Out Patients

Neurology

Sidney I. Schwab, M.D. Chief of Clinic
Andrew B. Jones, M.D. }
Groves B. Smith, M.D. } . . Physicians to Out Patients
Archie D. Carr, M.D. }

Dermatology

William H. Mook, M.D. Chief of Clinic
Richard S. Weiss, M.D. }
Adolph H. Conrad, M.D. } . . Physicians to Out Patients
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Eric Brockelmann, M.D. } . . Assistant Physicians to
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Charles A. Stone, M.D. }
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Theodore P. Brookes, M.D. }
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Frank H. Ewerhardt, M.D. } Out Patients

Ophthalmology

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Meyer Wiener, M.D. }
William F. Hardy, M.D. }
Frederick E. Woodruff, M.D. }
Frederick O. Schwartz, M.D. } . . Surgeons to Out Patients
Lawrence Post, M.D. }
M. Hayward Post, M.D. }
Max W. Jacobs, M.D. }
Bennett Y. Alvis, M.D. }
Amalie M. Napier, M.D. }

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Harry W. Lyman, M.D.	}	. . . Surgeons to Out Patients
Arthur W. Proetz, M.D.		
William M. C. Bryan, M.D.		
Isaac D. Kelley, M.D.		
Eugene R. Van Meter, M.D.		
William L. Hanson, M.D.		
Charles L. Davis, M.D.		
Richard J. Payne, M.D.		
George Hourn, M.D.		
Arthur M. Alden, M.D.		
Edward H. Lane, M.D.	}	. . . Assistant Surgeons to Out Patients
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F. Clemont Howard, M.D.		
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Arthur H. Jost, M.D.		
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James B. Costen, M.D.		
Charles S. Rehfeldt, M.D.		
Carr Lane, M.D.		

Genito-Urinary Surgery

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Dalton K. Rose, M.D.		
Newton W. Amos, M.D.	}	. . . Assistant Surgeons to Out Patients
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Alvin Sanders, D.D.S.	Dentist to Out Patients
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Nurses

SOCIAL SERVICE

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other City institutions are designated by Washington University
to act as follows:

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Oliver H. Campbell, M.D.	Lee P. Gay, M.D.
Walter Fischel, M.D.	Anthony B. Day, M.D.
Lionel S. Luton, M.D.	Horace H. Shackelford, M.D.

Surgery

Warren R. Rainey, M.D.	Walter C. G. Kirchner, M.D.
Edwin P. Lehman, M.D.	Glover H. Copher, M.D.
Edward V. Mastin, M.D.	

Obstetrics

E. Lee Dorsett, M.D.	Adolph G. Schlossstein, M.D.
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Pediatrics

Borden S. Veeder, M.D.	Theodore C. Hempelmann, M.D.
Adrien Bleyer, M.D.	

Neurology

Leland B. Alford, M.D.	Andrew B. Jones, M.D.
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* Appointed by the City upon nomination by the University.

Dermatology

Richard S. Weiss, M.D.

Adolph H. Conrad, M.D.

Gynecology

Fred J. Taussig, M.D.

Raymond M. Spivy, M.D.

Ophthalmology

M. Hayward Post, M.D.

Frederick O. Schwartz, M.D.

Bennett Y. Alvis, M.D.

Laryngology and Otology

Isaac D. Kelley, M.D.

William M. C. Bryan, M.D.

Vischer V. Wood, M.D.

Bronchoscopy

Millard F. Arbuckle, M.D.

Arthur W. Proetz, M.D.

Orthopedic Surgery

J. Edgar Stewart, M.D.

Theodore P. Brookes, M.D.

Genito-Urinary Surgery

William M. Robertson, M.D.

H. McClure Young, M.D.

Stomatology

James A. Brown, D.D.S.

INFECTIOUS DISEASE HOSPITAL

McKim Marriott, M.D.

Borden S. Veeder, M.D.

Theodore C. Hempelmann, M.D. . . . Chief of Staff

Philip C. Jeans, M.D. Associate Physician

} . . Consulting Physicians

CITY SANITARIUM

Sidney I. Schwab, M.D. Consulting Physician

Ernest Sachs, M.D. Consulting Surgeon

STUDENTS, 1923-24

STUDENTS ATTENDING GRADUATE AND SPECIAL COURSES

Alexander, Claude E.	Manning, Texas
M.D., Kentucky School of Medicine, '07.	
Arrendell, Cad W.	Ponca City, Okla.
M.D., Tulane Univ. of La., '14.	
Atlee, James H.	Chattanooga, Tenn.
M.D., Jefferson Med. Coll., '82.	
Bassett, Moorman Wilson.	San Antonio, Texas
M.D., Hosp. Coll. of Med., Louisville, '07.	
Baughman, William H.	New York, N. Y.
M.D., Univ. of Va., '10.	
Bayne, Joseph B.	Washington, D. C.
M.D., Georgetown Univ., '03.	
Birsner, Louis J.	Ste. Genevieve, Mo.
M.D., St. Louis Univ., '15.	
Brandon, William Rockwell.	Statesville, N. C.
M.D., Univ. of Md., '14.	
Brooks, Baird U.	Durham, N. C.
M.D., Univ. of Md., '05.	
Brown, Clyde O.	St. Louis, Mo.
M.D., National Univ. of Arts and Sciences, '15.	
Browning, Harry W.	Little Rock, Ark.
M.D., Univ. of Ark., '11.	
Burr, Wayne B.	Longton, Kan.
M.D., Kan. Med. Coll., '13.	
Butler, Leroy J.	Winston-Salem, N. C.
M.D., Med. Coll. of Va., '15.	
Calderwood, Edna D.	Salt Lake City, Utah
M.D., Univ. of Pa., '23.	
Cash, Clarence M.	San Benito, Texas
M.D., Ft. Worth Sch. of Med., '98.	
Cook, Isaac G.	St. Louis, Mo.
M.D., St. Louis Coll. of Phys. and Surgs., '11.	
Cross, Roland R.	Dahlgren, Ill.
M.D., American Med. Coll., '12.	
De Vel, Leon F.	Deurne-Antwerp, Belgium
M.D., Liège Univ., '23.	
Dobbs, Otto R.	St. Louis, Mo.
M.D., St. Louis Univ., '21.	
Du Bois, Charles C.	Warsaw, Ind.
M.D., Med. Coll. of Ohio, '06.	
Estill, R. Julian.	Lexington, Ky.
M.D., Columbia Univ., '02.	
Foster, William H.	St. Louis, Mo.
M.D., St. Louis Univ., '05.	
Fries, Armand D.	St. Louis, Mo.
M.D., St. Louis Univ., '22.	
Fuchs, George J.	St. Louis, Mo.
M.D., St. Louis Univ., '21.	
Gareau, Urban J.	Ottawa, Canada
M.D., McGill Univ., '19.	
Glick, Harry N.	Woodbine, N. J.
M.D., St. Louis Univ., '23.	
Gundrum, Lawrence K.	St. Louis, Mo.
M.D., Washington Univ., '19.	
Guthrie, Thomas C.	Smithville, Ark.
M.D., Coll. of Phys. and Surgs., Little Rock, Ark., '08.	
Harrison, Henry H.	Asheville, N. C.
M.D., Jefferson Med. Coll., '05.	
Hill, Lucius D.	Knoxville, Tenn.
M.D., Vanderbilt Univ., '15.	
Hobbs, Alonzo G.	St. Louis, Mo.
M.D., St. Louis Coll. of Phys. and Surgs., '22.	
Hobbs, Clarence L.	St. Louis, Mo.
M.D., St. Louis Coll. of Phys. and Surgs., '22.	
Hobson, Joel J.	Memphis, Tenn.
M.D., Vanderbilt Univ., '10.	
Horner, Ernest J.	Jonesboro, Ark.
M.D., Univ. of Ark., '18.	

Hunt, Gerald C.....	Des Moines, Iowa
M.D., Univ. of Ill., '16.	
Huskey, Isaac M.....	Lynn, Ark.
Jeffery, Leon A.....	Eureka, Kan.
M.D., Louisville Med. Coll., '07.	
Jost, Arthur H.....	St. Louis, Mo.
M.D., St. Louis Univ., '21.	
Kelly, Bernard S.....	Creighton, Neb.
M.D., Creighton Univ., '17.	
Kennedy, Benjamin H.....	Birmingham, Ala.
M.D., Harvard Univ., '21.	
Lamb, Jay H.....	Piedmont, Mo.
M.D., Georgia Coll. Ecl. Med. and Surg., '14.	
LeFevre, Harry M.....	Belle, Mo.
M.D., Hospital Coll. of Med., '98.	
Little, Jess E.....	Ft. Smith, Ark.
M.D., Univ. of Nashville, '01.	
Love, James D.....	Jacksonville, Fla.
M.D., Univ. of Maryland, '97.	
Mangum, Charles P.....	Kinston, N. C.
M.D., Jefferson Med. Coll., '18.	
McAnulty, James P.....	San Angelo, Texas
M.D., Univ. of Tex., '11.	
McCann, Charles H.....	St. Louis, Mo.
McGrew, Clara Wakeham.....	St. Louis, Mo.
M.D., St. Louis Coll. of Phys. and Surgs., '22.	
Mehaffey, Jonathan W.....	Supply, Okla.
M.D., Birmingham Med. Coll., '13.	
Melgaard, Bennett A.....	Sioux City, Iowa
M.D., Sioux City Coll. of Med., '08.	
Melton, James E.....	St. Anthony, Idaho
M.D., St. Louis Univ., '04.	
Milbourne, Percy E.....	Davenport, Neb.
M.D., Ensworth Med. Coll., '10.	
Miller, Chauncey D.....	Scranton, Pa.
M.D., Univ. of Pa., '18.	
Morris, Charles C.....	Paducah, Ky.
M.D., Univ. of Louisville, '10.	
Ochs, Leon M.....	Davenport, Iowa
M.D., Univ. of Iowa, '10.	
Parker, Clarence A.....	Wichita, Kan.
M.D., Univ. of Nashville, '03.	
Platz, Charles H.....	Torrington, Wyo.
M.D., Hahnemann Med. Coll. of Chicago, '03.	
Poos, Grover H.....	St. Louis, Mo.
M.D., St. Louis Coll. of Phys. and Surgs., '05.	
Read, Francis T.....	Merna, Neb.
M.D., Bennett Med. Coll., '13.	
Reeves, Alfred E.....	Farnam, Neb.
M.D., Ensworth Med. Coll., '04.	
Reynolds, Hugh W.....	Hibbing, Minn.
M.D., Univ. of Minn., '14.	
Roantree, Robert P.....	Elko, Nev.
M.D., Washington Univ., '19.	
Rodin, Frank H.....	Winnipeg, Man.
M.D., Manitoba Med. Coll., '20.	
Rosenberry, Alvan A.....	Benton Harbor, Mich.
M.D., Univ. of Mich., '09.	
Ross, Warren L.....	St. John, Kan.
Rucks, Walker L.....	Memphis, Tenn.
M.D., Univ. of Tenn., '13.	
Shelby, Mitchell H.....	Charleston, Mo.
M.D., Vanderbilt Univ., '14.	
Shelly, Edwin T.....	Atchison, Kan.
M.D., Univ. of Pa., '81.	
Sincock, Henry A.....	Superior, Wis.
M.D., Northwestern Univ., '11.	
Smith, Annie T.....	Durham, N. C.
M.D., Univ. of Ill., '23.	
Souter, John E.....	Guthrie, Okla.
M.D., Univ. of Okla., '19.	
Standlee, Claude E.....	Downey, Cal.
M.D., Univ. of S. Cal., '07.	
Sumerford, Thomas D.....	Widener, Ark.
M.D., Univ. of Tenn., '16.	

Swearingen, Mercer.....	Port Arthur, Texas
M.D., Univ. of Tex., '09.	
Taylor, Lon S.....	Elberfeld, Ind.
M.D., Univ. of Louisville, '08.	
Telfer, George A.....	Hillsboro, Ill.
M.D., St. Louis Univ., '17.	
Toney, Lee E.....	Piedmont, Mo.
M.D., Univ. of Louisville, '07.	
Van Cleve, John D.....	Malden, Mo.
M.D., St. Louis Univ., '11.	
Verdery, William C.....	Fayetteville, N. C.
M.D., Univ. of Ga., '15.	
Warren, Halleck B.....	Breese, Ill.
M.D., St. Louis Univ., '15.	
Watson, Thomas M.....	Maxton, N. C.
M.D., Tulane Univ. of La., '19.	
Webb, William D.....	St. Joseph, Mo.
M.D., Emsworth Med. Coll., '09.	
Wendelken, Charles.....	Corpus Christi, Texas
M.D., Univ. of Louisville, '06.	
Wilson, R. Mantou.....	Columbus, Ark.
M.D., Washington Univ., '05.	
Workman, Irvin S.....	Mt. Vernon, Ohio
M.D., Western Reserve Univ., '03.	
Wyatt, Charles A.....	Holton, Kan.
M.D., Kan. Med. Coll., '13.	
Total, 85	

FOURTH YEAR CLASS

Abbey, Frank Lincoln, Jr.....	Newton, Kan.
A.B., Univ. of Kan., '21.	
Adams, Alfred Oliver.....	West Plains, Mo.
Alexander, Charles Jerome.....	Clinton, Okla.
B.S., Univ. of Okla., '22.	
Auer, Eugene Solomon.....	St. Louis, Mo.
Baskett, Roy F.....	Holton, Kan.
Beckmann, Jacob William.....	St. Louis, Mo.
A.B., Univ. of Mich., '20.	
Bindbeutel, Arthur Henry.....	St. Louis, Mo.
B.S., Washington Univ., '22.	
Blatter, Erwin Walter.....	La Crosse, Wis.
B.S., Univ. of Wis., '22.	
Brown, Thomas Kenneth.....	Waupun, Wis.
B.S., Univ. of Wisconsin, '21.	
M.S., Univ. of Wis., '22.	
Colgate, Cleon Edward.....	Madison, Ind.
A.B., Hanover Coll., '16.	
Cowgill, David Martin.....	Topeka, Kan.
B.S., Washburn Coll., '19.	
Crank, Rawser Paul.....	Greenfield, Mo.
Darrough, Lawrence Earl.....	St. Louis, Mo.
Davis, Harry Joseph.....	Topeka, Kan.
Delicate, Henry Brinkman.....	Edwardsville, Ill.
Drabkin, Charles.....	Los Angeles, Cal.
A.B., Stanford Univ., '22.	
Duncan, Perry Emory.....	University, Miss.
B.S., Univ. of Miss., '17.	
Efferding, Floyd Victor.....	Dubuque, Iowa
Ehrlich, Ralph Louis.....	St. Louis, Mo.
Feemster, Lucien Carl, Jr.....	Tupelo, Miss.
B.S., Univ. of Miss., '22.	
Fuson, William Arthur.....	Bogota, Ill.
Gale, Joseph Wasson.....	Osborn, Mo.
A.B., Univ. of Mo., '21.	
A.M., Univ. of Mo., '22.	
Garrison, George Harry.....	White Hall, Ill.
A.B., Univ. of Ill., '20.	
Gatterdam, Paul Christoffers.....	La Crosse, Wis.
B.S., Univ. of Wis., '22.	
Gibson, Harry Victor.....	Wichita, Kan.
Gnagi, Will Bender.....	Monroe, Wis.
B.S., Univ. of Wis., '22.	
Gunn, Herman Melville.....	Bloomington, Ill.
Halley, Edward Carlton.....	St. Louis, Mo.
Harris, Everett Grant.....	Webster Groves, Mo.
A.B., Trinity Coll., '17.	

Harrison, Forrest Aubrey.....	Clinton, Mo.
A.B., Univ. of Mo., '21.	
Hayward, James Clem.....	Paris, Idaho
Henderlite, John Warren.....	Raleigh, N. C.
Herrmann, Louis George.....	Ft. Wayne, Ind.
A.B., Univ. of Mich., '21.	
Hyslop, Volney Butman.....	Madison, Wis.
Irick, Carl Cuthbert.....	Hadley, Ill.
Jacoby, James Alexander.....	Burlington, Iowa
Johnson, Scott.....	St. Louis, Mo.
B.S., Washington Univ., '22.	
Jorstad, Louis Helmar.....	St. Louis, Mo.
Knox, Lawrence Mountjoy.....	North Little Rock, Ark.
A.B., Transylvania Coll., '20.	
Kreutz, George Charles.....	La Crosse, Wis.
A.B., Univ. of Wis., '21.	
Leuschner, Curt Ernest.....	Belleville, Ill.
B.S., Washington Univ., '22.	
Levy, Milton Lester.....	Los Angeles, Cal.
A.B., Stanford Univ., '20.	
Lewis, Claud.....	Bible Grove, Ill.
Lindsey, Maude Louise.....	Iowa Park, Texas
A.B., Univ. of Colo., '23.	
Lund, Henry Joseph.....	San José, Cal.
A.B., Stanford Univ., '19.	
Margrave, Edmund De Lolme.....	St. Louis, Mo.
B.S., Univ. of Cal., '14.	
McConnell, Orban Gayle.....	Nickelsville, Va.
B.S., Univ. of S. D., '22.	
Melnert, Albert Erwin.....	La Crosse, Wis.
A.B., Univ. of Wis., '21.	
M.S., Univ. of Wis., '22.	
Miller, Lloyd Chauncey.....	St. Louis, Mo.
Miller, Norman Cornelius.....	Palestine, Texas
Moranville, Benedict August.....	St. Louis, Mo.
A.B., Univ. of Mo., '21.	
Murray, Leo Charles.....	Manitou, Okla.
B.S., Univ. of Okla., '22.	
Parker, John Merrel.....	Bradentown, Fla.
A.B., Univ. of N. C., '16.	
Pfefferkorn, Ethan Benjamin.....	Eau Claire, Wis.
A.B., Northwestern Coll., '19.	
M.S., Univ. of Wis., '22.	
Pope, Mary Howe.....	Evanston, Ill.
A.B., Northwestern Univ., '12.	
A.M., Northwestern Univ., '17.	
Porter, Joseph Irvin.....	Morgan, Utah
A.B., Univ. of Utah, '20.	
Rountree, Charles Ross.....	Springfield, Mo.
B.S., Drury Coll., '20.	
Satterfield, Val Beyer.....	St. Louis, Mo.
B.S., Washington Univ., '22.	
Saunders, Edward Watts.....	Seattle, Wash.
Shearer, Beryl Cecil.....	Winfield, Iowa
B.S., Parsons Coll., '20.	
Shilling, Jerome Warren.....	Los Angeles, Cal.
Sigoloff, Emanuel.....	St. Louis, Mo.
B.S., Washington Univ., '22.	
Smith, John Raymond.....	Delaware, Ohio
A.B., Ohio Wes. Univ., '16.	
Smith, Reuben Milton.....	Osceola, Ark.
B.S., Univ. of Miss., '22.	
Smith, Stuart Gross.....	Springfield, Ill.
Smylie, Robert Sayre, Jr.....	Salt Lake City, Utah
A.B., Univ. of Utah, '22.	
Stahr, Roland Winfred.....	Topeka, Kan.
Sun, Yun-Chan.....	Honan, China
A.B., Univ. of Cal., '21.	
Tedstrom, Milo Kenney.....	Pine Bluff, Ark.
B.S., Washington Univ., '22.	
Thompson, Elizabeth Ellen.....	Tarkio, Mo.
A.B., Tarkio Coll., '18.	
B.S., Tarkio Coll., '20.	
Ulrich, Henry John.....	St. Louis, Mo.
Wangelin, Evans Hugo.....	Belleville, Ill.

Wharton, Dwight Jackson.....	Sturgeon, Mo.
A.B., Univ. of Mo., '21.	
Whitener, Paul Rowland.....	Fredericktown, Mo.
A.B., Univ. of Mo., '21.	
Whitney, Caroline Elizabeth.....	Boulder, Colo.
A.B., Univ. of Colo., '21.	
Whitsell, Ora Earl.....	St. Joseph Mo.
Wolfe, Walter Beran.....	St. Louis, Mo.
B.S., Dartmouth Coll., '21.	
Womack, Nathan Anthony.....	Reidsville, N. C.
B.S., Univ. of N. C., '22.	
Wood, John Andrew.....	Ashdown, Ark.
Total, 79	

THIRD YEAR CLASS

Arzt, Franz J.....	St. Louis, Mo.
Bailey, George Pierce.....	Browning, Mo.
A.B., Univ. of Mo., '22.	
Bain, Katherine.....	St. Louis, Mo.
A.B., Univ. of Mo., '21.	
Barksdale, E. Hamilton.....	Slater, Mo.
Barrette, Louis Charles.....	Placerville, Cal.
A.B., Univ. of Cal., '21.	
Bensley, Charles Henderson.....	East St. Louis, Ill.
Behneman, Harold Mayo F.....	Oakland, Cal.
A.B., Univ. of Cal., '20.	
M.S., Univ. of Wis., '23.	
Berger, Adolphus Arthur.....	St. Joseph, Mo.
B.S., Univ. of Wis., '23.	
Bond, Russell Conwell.....	Wheeling, W. Va.
B.S., Univ. of Wis., '23.	
Campbell, Walter Vaughn.....	Oskaloosa, Iowa
Christopherson, Einor Hugo.....	Salt Lake City, Utah
Crossen, Robert James.....	St. Louis, Mo.
A.B., Oberlin Coll., '21.	
Davis, Myron Woodward.....	Des Moines, Iowa
Dawson, Charles Nash.....	Beloit, Wis.
Denny, Hubert Macom.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Donahue, James Joseph.....	East St. Louis, Ill.
B.S., Washington Univ., '23.	
Drennan, George Leland.....	Virden, Ill.
A.B., Ill. Coll., '21.	
Ebandjeff, George Georgieff.....	Madison, Ill.
Ellison, Leroy Ellis.....	Vermont, Ill.
B.S., Ill. Coll., '21.	
Fjelde, Jacob Henry.....	Fargo, N. D.
B.S., Univ. of N. D., '23.	
Fox, Ben.....	West Frankfort, Ill.
B.S., Washington Univ., '23.	
Gallant, Adolph.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Gavin, Clamor Heise.....	Heise, Idaho
Glassberg, Bertrand Younker.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Hamm, William Gideon.....	Gainesville, Ga.
B.S., Univ. of Ga., '21.	
Harlan, Delly Lee.....	College Mound, Mo.
A.B., Univ. of Mo., '23.	
Harris, Harold Shelton.....	Morley, Mo.
Hart, William Eustis.....	Cumberland, Wis.
Hartman, Emil Ernst.....	Carrollton, Mo.
Hartwig, John Adam.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Hiebert, Abraham Ezra.....	Hillsboro, Kan.
A.B., Tabor Coll., '22.	
B.S., Univ. of Kan., '23.	
Howorth, Marion Beckett.....	West Point, Miss.
B.S., Univ. of Miss., '21.	
Jasperson, Clarence Philip.....	Topeka, Kan.
A.B., Univ. of Ill., '21.	
Johnson, George Summers.....	Monticello, Mo.
A.B., William Jewell Coll., '21.	
Kelley, James Howard, Jr.....	Palmyra, Mo.
A.B., Westminster Coll., '19.	

Kimmel, Richard Klais.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Knott, James Isaiah.....	Montrose, Colo.
B.S., Washington Univ., '23.	
Langenbach, Alfred Michel.....	St. Louis, Mo.
Levy, Jerome Sickles.....	Hot Springs, Ark.
B.S., Washington Univ., '23.	
Lingenfelter, John Samuel.....	St. Louis, Mo.
A.B., Univ. of Wis., '22.	
M.S., Univ. of Wis., '23.	
Magidson, Shepherd Joseph.....	St. Louis, Mo.
Maness, Guy Milford.....	Neosho, Mo.
A.B., Univ. of Mo., '23.	
Martin, Forrest Logan.....	El Dorado Springs, Mo.
A.B., Univ. of Mo., '22.	
A.M., Univ. of Mo., '23.	
Matthey, Carl Henry.....	Davenport, Iowa
A.B., Univ. of Iowa, '22.	
McCandless, Orville Calnon.....	Wichita, Kan.
McCormack, Charles Goodsell.....	St. Louis, Mo.
A.B., Drury Coll., '18.	
McKinley, Edwin Daniel.....	Dodgeville, Wis.
B.S., Univ. of Wis., '23.	
Metz, Roy De Vaughan.....	Wallace, W. Va.
B.S., Univ. of W. Va., '22.	
Moore, Loren Donovan.....	Webster Groves, Mo.
Nall, James Otho.....	Clay, Ky.
Nemours, Paul Roland.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Nesche, George Elwood.....	Oakland, Cal.
Neupert, Carl Nicholas.....	London, Wis.
Okami, Shigeichi.....	Wakayama, Japan
A.B., Stanford Univ., '22.	
Raines, Omer Marvin.....	Topeka, Kan.
A.B., Washburn Coll., '21.	
Riddell, Orin Joseph, Jr.....	Alhambra, Cal.
Roberts, Samuel Jennings.....	De Kalb, Mo.
Robinson, Roy Waldron.....	Salt Lake City, Utah
A.B., Univ. of Utah, '23.	
Roble, Melvin Andrew.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Roe, Allen Norman.....	St. Louis, Mo.
Roth, Samuel Clement.....	Scranton, Pa.
A.B., Harvard Univ., '20.	
Schanche, Arthur Norman.....	Yankton, S. D.
B.S., Univ. of S. D., '23.	
Slater, Roland Adcock.....	Moline, Ill.
B.S., Eureka Coll., '21.	
Stacy, Winton T.....	Princeton, Mo.
Stevenson, Edward.....	Lawrence, Kan.
A.B., Univ. of Kan., '20.	
M.A., Univ. of Kan., '21.	
Stickler, Ralph O.....	Green City, Mo.
B.S., Kirksville State Teachers Coll., '20.	
Thompson, Gershom Joseph.....	Granite City, Ill.
Turner, Thomas Freeman.....	Cherry Box, Mo.
Wagner, Hugo Otto.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Warenski, Leo Carl.....	Salt Lake City, Utah
A.B., Univ. of Utah, '23.	
Westerman, Henry Cornelius.....	St. Louis, Mo.
Woodard, Julius Harold.....	Windsor, Mo.
Woodmansee, Clarence Henry.....	Providence, R. I.
A.B., Brown Univ., '17.	
M.S., Univ. of Wis., '23.	
Zahorsky, Theodore Saunders.....	St. Louis, Mo.
B.S., Washington Univ., '23.	
Zener, Francis Bertram.....	White Salmon, Wash.
Total, 75	

SECOND YEAR CLASS

Ahlvin, Reno Arthur.....	Joliet, Ill.
Anderson, Herbert, Jr.....	Kevil, Ky.
A.B., Georgetown Coll., '22.	
Balfour, William Dewey.....	Ford, Kan.

Bauman, William Henry.....	St. Louis, Mo.
Bartlett, Willard, Jr.....	St. Louis, Mo.
Bauer, Joseph Aloysius.....	St. Louis, Mo.
Benepe, James Lorimer.....	St. Paul, Minn.
Berg, Ralph.....	St. Louis, Mo.
Boulware, Thomas Mendenhall, Jr.....	Mourue City, Mo.
Burke, Walter Howing.....	Moberly, Mo.
A.B., Westminster Coll., '21.	
Carter, Rodney Gilbert.....	Windsor, Mo.
A.B., Central Coll., '22.	
Chandler, Harold Mount.....	Salt Lake City, Utah
Cohn, William.....	St. Louis, Mo.
Cunningham, Eric Alton.....	Mexico, Mo.
A.B., Culver-Stockton Coll., '23.	
Davenport, Harold Alvin.....	Louisiana, Mo.
Delano, Herman Stevens.....	St. Louis, Mo.
Deutch, Max.....	St. Louis, Mo.
Diamond, Jerome.....	St. Louis, Mo.
Dietrich, Karl David.....	Kansas City, Mo.
Duden, Charles William.....	St. Louis, Mo.
Ehrhardt, Oliver Earl.....	Beardstown, Ill.
Evans, Robert Morris.....	Russellville, Ind.
Feigenbaum, Bernard.....	New York, N. Y.
Feller, Harold Henry.....	St. Louis, Mo.
Ferguson, Paul Stewart.....	St. Louis, Mo.
B.S. in E.E., Iowa State Coll., '20.	
B.S. in C.E., Iowa State Coll., '21.	
B.S. in Ind. Sc., Iowa State Coll., '22.	
Francis, Byron Franklin.....	Seattle, Wash.
B.S., Univ. of Wash., '22.	
Freeman, Mable.....	St. Charles, Mo.
A.B., Washington Univ., '19.	
Gay, George William.....	Ironton, Mo.
Greer, Edwin Daniel.....	Berkeley, Cal.
Heidemam, Alvah Gerrit.....	St. Louis, Mo.
Helbing, Edward.....	St. Louis, Mo.
Henrich, Alfred Gustav.....	East St. Louis, Ill.
Hines, Paul Sewell.....	Dallas, Texas
James, William Mahlon.....	Springfield, Mo.
B.S., Drury Coll., '23.	
Johnston, Charles George.....	St. Louis, Mo.
Klopper, Victor Ferdinand.....	St. Louis, Mo.
Kountz, William Bryan.....	Saxton, Mo.
Leverich, R. Foster.....	Albert Lea, Minn.
Littell, George Shaum.....	Tarkio, Mo.
B.S., Tarkio Coll., '22.	
Manning, John Grant.....	McMinnville, Ore.
B.S., Oregon Agri. Coll., '21.	
Markham, H. Veazie.....	Kansas City, Kan.
A.B., Washburn Coll., '20.	
McCaughan, John Milton.....	St. Louis, Mo.
McIndoe, Frank Winfield.....	Greensburg, Pa.
B.S., Washington and Jefferson Coll., '21.	
Moore, Robert Milo.....	Olathe, Kan.
Peterson, Walter Robert.....	Port Blakely, Wash.
Pieper, Irene Therese.....	St. Louis, Mo.
A.B., Washington Univ., '22.	
M.S., Washington Univ., '22.	
Rambo, William Waldo, Jr.....	Mulberry, Ark.
Robertson, LeRoy Link.....	St. Louis, Mo.
Rover, Henry Paul.....	Denver, Colo.
A.B., Univ. of Colo., '23.	
Saper, Philip.....	St. Louis, Mo.
Schluer, Elmer Pfingsten.....	Maplewood, Mo.
Schutz, Charles Aurelius.....	Washington, D. C.
Siebert, Walter Joseph.....	St. Louis, Mo.
Steele, James Oliver.....	Craig, Mo.
B.S., Central Coll., '18.	
Stone, Caleb Smith, Jr.....	Wallace, Idaho
B.S., Univ. of Wash., '22.	
Theis, Edward Herman.....	Granite City, Ill.
A.B., Ill. Coll., '22.	
Thym, Henry Paul.....	St. Louis, Mo.
Weston, William Graham.....	New Orleans, La.
Wilson, Joseph Dimmick.....	Montgomery, Ala.
Woolford, Joseph Sidney.....	St. Louis, Mo.

Total, 60

FIRST YEAR CLASS

Aitken, Louis Fred.....	East St. Louis, Ill.
B.S., Univ. of Ill., '23.	
Allen, Philip King.....	St. Paul, Minn.
Barker, Philip Charles.....	Webster Groves, Mo.
A.B., Westminster Coll., '23.	
Behrens, William Herbert.....	St. Louis, Mo.
Bradburn, Hubert Benjamin.....	Lincoln, Ill.
Bradley, Frank Richard.....	St. Louis, Mo.
Brewer, Earl Donohue.....	Paragould, Ark.
Buchanan, John Creighton, Jr.....	Winnsboro, S. C.
B.S., Univ. of S. C., '22.	
Caldwell, Charles Lory.....	Chelsea, Okla.
A.B., Univ. of Okla., '23.	
Carrier, Everett Eugene.....	Eureka, Ill.
B.S., Eureka Coll., '23.	
Claiborn, Louie Nixon.....	Big Timber, Mont.
Cone, William Henry.....	Campbell, Mo.
Crandall, Lola Marion.....	Fulton, N. Y.
A.B., Columbia Univ., '20.	
M.A., Columbia Univ., '23.	
Deweln, Edward George.....	Belleville, Ill.
Dickinson, Harry Barham.....	Decherd, Tenn.
Drash, Everett Cato.....	Granite City, Ill.
A.B., Phillips Univ., '23.	
Egley, Loren Edward.....	Maryville, Mo.
Elson, Julius.....	St. Louis, Mo.
Ericson, Reinhold Milton.....	Minneapolis, Minn.
Fischer, Theodore.....	Altenburg, Mo.
Fisher, Henry Noland.....	St. Louis, Mo.
Fortney, Arthur Conwell.....	Bowdon, N. D.
Geraci, Michael Christopher.....	Cleveland, Ohio
A.B., Western Reserve Univ., '23.	
Glenn, Frank Nevin.....	Sparta, Ill.
Goodlett, William Campbell.....	Webster Groves, Mo.
Goodman, Jonathan Norwood.....	Pomona, Kan.
Guttman, Paul Henry.....	St. Louis, Mo.
Hall, Colby.....	Springfield, Ill.
Heidenreich, Harry Louis.....	St. Louis, Mo.
Higgins, Clinton Kelly.....	Arcola, Mo.
Hobbs, John E.....	Waynesville, Mo.
A.B., Springfield State Teachers Coll., '23.	
Holst, William Henry.....	Granite City, Ill.
A.B., Univ. of Ill., '23.	
Jones, Jenner Garnett.....	St. Joseph, Mo.
A.B., William Jewell Coll., '23.	
Kane, Clifford Cyrus.....	Harrisburg, Ill.
Kerr, Moyt Warrior.....	Corvallis, Ore.
Kilduff, Raymond.....	San Francisco, Cal.
Klein, Arnold George.....	Springfield, Mo.
Levinson, Sidney Older.....	Sand Springs, Okla.
Londe, Sol.....	St. Louis, Mo.
Magnellia, August L.....	Witt, Ill.
Merideth, John Andrew.....	Boulder, Colo.
A.B., Univ. of Colo., '23.	
Metscher, Alfred John.....	Enid, Okla.
A.B., Phillips Univ., '22.	
Miller, Ella Nora.....	Helena, Okla.
B.S., Okla. Agri. and Mech. Coll., '14.	
M.S., Iowa State Coll., '21.	
Miyamoto, Kazuo.....	Hakalau, Hawaii
Moody, Harold Payne.....	Atlanta, Mo.
Movius, Claude Kenneth.....	Lidgerwood, N. D.
Mullinax, Orr.....	Princeton, Mo.
A.B., Univ. of Mo., '21.	
Nellson, William Paul.....	Ladonia, Texas
Niess, Oliver Kunze.....	Belleville, Ill.
Norwine, Fayette Edwin.....	Flat River, Mo.
A.B., Milliken Univ., '23.	
O'Neal, Harold Elmo.....	San Pedro, Cal.
Parsons, Eugene O.....	Parsons, Kan.
A.B., Washburn Coll., '23.	
Patton, John Franklin.....	Albany, Mo.
Prawl, John Dennis.....	Severance, Kan.
B.S., Washburn Coll., '22.	
Ringo, Richard Gregory.....	Los Angeles, Cal.

Roebber, Harry McDougal.....	Kansas City, Mo.
Rosenbaum, Carl Augustus.....	Little Rock, Ark.
A.B., Univ., of Ark., '23.	
Rutledge, Paul Edmund.....	Kirkwood, Mo.
Rylander, Carl Milo.....	Altona, Ill.
A.B., Augustana Coll., '21.	
Saunders, George Chancellor.....	St. Louis, Mo.
B.S., Univ. of Va., '23.	
Schertz, Lee Henry.....	Hudson, Ill.
Schneider, Harold Edward.....	Pocahontas, Ill.
Schwartz, Willard Chester.....	McPherson, Kan.
A.B., Phillips Univ., '22.	
Smith, Abigail Eliot.....	St. Louis, Mo.
A.B., Wellesley Coll., '22.	
Squire, Edwin Ora.....	Kirksville, Mo.
B.S., Kansas State Teachers Coll., '15.	
Stevens, Robert Bruce.....	Minneapolis, Minn.
Stewart, Frances Helen.....	St. Louis, Mo.
Tureen, Louis Leon.....	St. Louis, Mo.
Walton, Franklin Edward.....	Alton, Ill.
B.S., Shurtleff Coll., '23.	
Webb, Daniel Ross, Jr.....	East St. Louis, Ill.
Weber, Paul Cornelius.....	Olney, Ill.
Whitaker, Walter Merrill.....	Bucyrus, Kan.
Wier, John Sperry.....	Lacon, Ill.
Wilkerson, Nina Copeland.....	Hollister, Mo.
Williams, Joseph Berryhill.....	Carrollton, Mo.
Wilson, George Stewart.....	Winfield, Kan.
Wilson, Hugh Monroe.....	Jacksonville, Ill.

Total, 77

SUMMARY OF STUDENTS IN THE SCHOOL OF MEDICINE

Graduate and Special Students.....	85
Fourth Year Class.....	79
Third Year Class.....	75
Second Year Class.....	60
First Year Class.....	77

Total, 376

DEGREES CONFERRED

The degree of Doctor of Medicine was conferred upon the following, June 14, 1923:

Abel, Oliver, Jr.....	St. Louis, Mo.
Alava, Petronio Zosimo.....	Pila, Laguna, P. I.
A.B., Univ. of Mo., '21.	
Aselmeyer, Alfred John.....	Boonville, Mo.
Batts, Jett McCormick.....	St. Louis, Mo.
B.S., Washington Univ., '21.	
Becke, William George.....	St. Louis, Mo.
Berg, David Tormod.....	Helena, Mont.
Bierman, Max John.....	St. Louis, Mo.
Boyden, Alphonso Webster.....	Issaquah, Wash.
Bradford, William Leslie.....	Sedalia, Mo.
A.B., Univ. of Mo., '20.	
Breckenridge, Elmer Oesterle.....	St. Louis, Mo.
Broeder, William Hugo.....	St. Louis, Mo.
Brown, James Barrett.....	Hannibal, Mo.
Bull, Ben May.....	St. Louis, Mo.
A.B., Univ. of Mo., '21.	
Coray, Quince Burt.....	Salt Lake City, Utah
A.B., Univ. of Utah, '21.	
Corson, Harold Fee.....	Springfield, Ill.
Davidoff, Isidore Zolmon.....	Milwaukee, Wis.
B.S., Univ. of Wis., '21.	
Decker, Walter Joseph.....	Elmira, N. Y.
B.S., St. John's Coll., '18.	
Deutsch, Hans.....	Vienna, Austria
Ph.B., Yale Univ., '17.	
Dredge, Thomas Joseph.....	Green Bay, Wis.
B.S., Univ. of Wis., '21.	
Facultad, José Maria.....	Pototan, Iloilo, P. I.
A.B., Univ. of Mo., '21.	
Feist, George Van.....	Monett, Mo.
A.B., Univ. of Mo., '20.	

- Frick, John Paul.....Kansas City, Mo.
A.B., Univ. of Kan., '20.
- Harris, John Harold.....Kiowa, Kan.
A.B., Southwestern Coll., '20.
- Hawkins, Thomas Lee.....Helena, Mont.
- Heideman, Milo Lawrence.....St. Louis, Mo.
A.B., Washington Univ., '18.
- Higgins, Charles Clair.....Huron, S. D.
- Hofsommer, Aphrodite Jannopoulo.....Webster Groves, Mo.
A.B., Washington Univ., '18.
- Holman, Parley Leon.....Fountain Green, Utah
A.B., Univ. of Utah, '20.
- Klinkerfuss, George Henry.....Clayton, Mo.
A.B., Univ. of Mo., '21.
- Le Vine, Davis.....Kansas City, Mo.
- Marquis, Charles Edward.....Berkeley, Cal.
- Neill, Glenn G.....Richfield, Utah
B.S., Univ. of Utah, '21.
- Ostlund, Elvira Otilia.....Butte, Mont.
A.B., Univ. of Wis., '20.
A.M., Univ. of Wis., '21.
- Richards, Guy Smith.....Pleasant Grove, Utah
B.S., Univ. of Utah, '21.
- Rothwell, William David.....Denver, Colo.
A.B., Denver Univ., '22.
- Schlomovitz, Elias Herman.....Milwaukee, Wis.
B.S., Univ. of Wis., '21.
- Senturia, Ben Druze.....St. Louis, Mo.
B.S., Washington Univ., '21.
- Skelton, Neva.....Eldorado, Ill.
B.S., McKendree Coll., '19.
- Smith, Dudley Reeves.....Southwest City, Mo.
- Smith, Leslie Albert.....Logan, Utah
B.S., Agri. Coll. of Utah, '13.
- Stahl, Phineas David.....St. Louis, Mo.
B.S., Washington Univ., '21.
- Stuebner, Roland William.....St. Joseph, Mo.
- Teel, Charles Edmond.....Bellingham, Wash.
- Thompson, John William, Jr.....Granite City, Ill.

Trowbridge, Juel Elias.....	Salt Lake City, Utah
B.S., Univ. of Utah, '21.	
Ulmer, Walter Pierce.....	Dawson, Neb.
B.S., Western Union Coll., '19.	
Vingom, Clair Odin.....	Madison, Wis.
B.S., Univ. of Wis., '21.	
Webb, Paul Kingsley.....	St. Louis, Mo.
B.S., Washington Univ., '21.	
Williams, John Wood, Jr.....	Springfield, Mo.
B.S., Drury Coll., '22.	
Wilson, Kenneth Oscar.....	St. Louis, Mo.
Wimber, Thomas Charles.....	Alton, Ill.
Wise, Edith Patterson.....	San José, Cal.
A.B., Stanford Univ., '19.	

GRADUATES APPOINTED TO THE BARNES HOSPITAL AND THE ST. LOUIS CHILDREN'S HOSPITAL

Medical Service

Oliver Abel, Jr.	José M. Facultad
William G. Becke	Milo L. Heideman
	Ben D. Senturia

Surgical Service

Jett M. Batts	Max J. Bierman
David T. Berg	J. Barrett Brown
	Paul K. Webb

Obstetrical Service

Harold F. Corson	Charles E. Marquis
	Dudley R. Smith

Pathological Service

Roland W. Stuebner

GENERAL STATEMENT

HISTORY AND ORGANIZATION

The Medical Department of Washington University continues the work of the St. Louis Medical College and the Missouri Medical College, the two oldest medical schools west of the Mississippi River.

The Medical Department of Kemper College of St. Louis was organized in 1840; in 1845 it became the Medical Department of the University of the State of Missouri. By change of its charter in 1855, it was made an independent institution known as the Missouri Medical College. The work of the School was discontinued in 1862, but was resumed in 1865 at the end of the Civil War.

The Medical Department of St. Louis University, founded in 1842, was chartered as an independent institution in 1855 under the name of the St. Louis Medical College.

The Medical Department of Washington University was created by the Corporation in 1891, when the St. Louis Medical College became a part of Washington University. In 1899 the Missouri Medical College was merged with this department.

Graduates of the St. Louis Medical College number 2125; of the Missouri Medical College, 2915; and of the Medical Department of Washington University, 1017.

In 1909 the Corporation of Washington University changed the name of the Medical Department to the Washington University Medical School; and again, in 1918, the name was changed to Washington University School of Medicine.

In 1910 the Corporation of the University, appreciating the valuable service which a medical school can render to the community, with the coöperation of the Medical Faculty, reorganized the School in all departments and appointed heads of departments and instructors in anatomy, physiology, biological chemistry, pathology, medicine, surgery, and pediatrics, who devote themselves to teaching and research, and associated with this staff clinical instructors chosen from the medical profession of St. Louis. These changes were made with the aid of funds donated by philanthropic citizens of St. Louis.

In 1916 the sum of one and one-half million dollars was contributed to the School of Medicine by the General Education Board, Mr. John T. Milliken, Mrs. Mary Culver and Mr. Edward Mallinckrodt. This sum has been divided into three equal parts designated as the John T. Milliken Fund for the Endowment of Clinical Teaching and Research in Medicine, the Mary Culver Fund for the Endowment of Clinical Teaching and Research in Surgery, and the Edward Mallinckrodt Fund for the Endowment of Clinical Teaching and Research in Pediatrics, respectively, and the income is devoted to the support of the departments named.

These endowments have enabled the School of Medicine to place the clinical departments of Medicine, Surgery, and Pediatrics upon the full university basis, under the direction and control of men devoting all of their time to university work. With them are associated practitioners of medicine giving part time to the work of the School of Medicine.

In 1919, the Department of Pharmacology was placed on a full university basis by an endowment for that department of three hundred thousand dollars, half of which was contributed by the General Education Board and half by Mr. Edward Mallinckrodt.

An affiliation exists between the Barnes Hospital and the St. Louis Children's Hospital and Washington University, by which the University agrees to provide the medical staffs of the hospitals and the hospitals agree to permit the University to use the hospitals for purposes of teaching and research. These hospitals have erected buildings on Kingshighway overlooking Forest Park, which became available for use in the autumn of 1914. Adjacent to the hospital buildings, a dispensary and large, thoroughly equipped laboratory buildings have been erected (see below). This close association enables the teaching staff of the University to give laboratory and clinical instruction, and to conduct and direct research in all branches of medicine in a single compact plant.

THE BUILDINGS OF THE SCHOOL OF MEDICINE

The three buildings of the School of Medicine are connected by corridor and tunnel with the Barnes Hospital and the St. Louis Children's Hospital. They are the Building for the Dis-

pensary and Hospital Laboratories, the North Laboratory Building and the South Laboratory Building.

IN THE BUILDING FOR THE DISPENSARY AND HOSPITAL LABORATORIES, the Dispensary occupies the first floor and basement, the Laboratory of Internal Medicine the second floor, and the department of Pathology the upper two floors, together with a western extension of the building connecting it with the Barnes Hospital, and containing the mortuary and the autopsy amphitheater.

THE NORTH LABORATORY BUILDING contains the administrative offices of the School of Medicine, the Assembly Hall, the Library, and the Departments of Experimental Surgery, Comparative Pathology, and Anatomy.

THE SOUTH LABORATORY BUILDING accommodates the Departments of Biological Chemistry, Pharmacology, and Physiology.

Unit systems prevail in the general construction of these buildings, and so far as advantageous in the fixtures and furnishings. Provision is made in all lecture rooms for the different methods of optical projection and for demonstrations. Research laboratories and technicians' rooms are provided with forced-draft hoods, electricity, steam, and apparatus for controlling temperature.

NURSES' HOME

This building is located on Kingshighway facing Forest Park. It is of concrete construction and fire-proof. On the first floor are reception rooms, a class room, and administrative offices. The upper floors are arranged to accommodate 125 nurses.

About 70 nurses are housed in one of the buildings of the Barnes Hospital.

POWER PLANT

The power plant furnishes light, heat, power, refrigeration, and compressed air to the buildings of the School of Medicine, the Dispensary, the Barnes Hospital, and the St. Louis Children's Hospital.

CLINICAL FACILITIES

The affiliation of the Barnes Hospital and the St. Louis Children's Hospital with the Washington University School of Medicine makes these institutions for teaching purposes integral parts

of the School of Medicine. These hospitals offer opportunities for study and observation in every important branch of medicine, and are closely connected with the Dispensary conducted by the University, which serves as the Out-Patient Department of these hospitals. This assures to the student unusual advantages in clinical work. The attending staffs of Barnes Hospital and St. Louis Children's Hospital consist of the heads of the University Departments of Medicine, Surgery, Obstetrics, and Pediatrics, with their associates and assistants.

Free and pay patients may be admitted to Barnes and St. Louis Children's Hospitals, but every effort is made to prevent the pauperization of the individual, and patients who are able to pay are expected to meet the nominal rates in force.

In both hospitals there is adequate laboratory equipment for the investigations necessary in diagnosis. In addition to the ward laboratories, there are special laboratories in all departments with facilities for research workers.

THE BARNES HOSPITAL

The buildings of the Barnes Hospital are situated on Kings-highway facing Forest Park on the south and west. The group of hospital buildings proper consists of a central administration building, from which extend corridors leading to the medical and surgical wards, and to the private pavilion and service buildings. These buildings are of fire-proof construction.

The main entrance of the administration building opens on a rotunda, on either side of which are situated the general information office, the administrative office, the trustees' room, offices of the superintendent, the admitting office, and rooms for the physician in chief. The resident medical staff is housed in the second and third stories of this building. On the top floor are the operating pavilion and the lecture room for the Medical Department. There are one large and three small operating rooms, a small amphitheater, rooms for special examinations, offices of the surgeon in chief, dressing rooms, and workroom for the nurses. To the north of the administration building is the service building, containing kitchens, dining-room, and bakery. The laundry occupies a separate building.

The wings containing the wards of the Hospital are situated on either side of the administration building. They are three stories high and have the shape of the letter T. On either side of the wards are porches for convalescent and bed patients. The private pavilion is at the west of the hospital lot facing Forest Park both on the south and west.

With the space in the private pavilion the capacity of the Barnes Hospital is approximately 270 beds.

The Hospital contains numerous class rooms, laboratories, lecture rooms, and examining rooms, in addition to the accommodations usually found in general hospitals. Special provision has also been made for a modern equipment in the departments of Actinography and Hydro- and Physical Therapy, and special wards and laboratories are provided for metabolic studies. The Hospital is wired for electrocardiography, the galvanometer being located in the Dispensary building.

The Hospital is supported by income from endowment and from patients, and by funds derived from outside sources. It is not a municipal institution.

Patients of all ages fifteen years and over are admitted without distinction as to color, race, or creed. During the year 1923, 4,550 patients were admitted for treatment and care. The hospital admits all types of patients who have medical or surgical diseases and for obstetrical care. Patients suffering from pulmonary tuberculosis are not admitted.

THE ST. LOUIS CHILDREN'S HOSPITAL

The St. Louis Children's Hospital is a private institution operated for the children of St. Louis, though opportunities are available for care of children from other places. The total bed capacity is 170. It is supported by income from endowment and from patients, and by funds obtained from various other sources. It is not a municipal institution. Infants and children of all ages to 15 years are admitted without distinction. During the year 1923, 2,480 patients were treated.

The main building is six stories high, and contains a large admitting ward, general offices, emergency room, medical ward, ward for infants (including room for premature infants), sur-

gical ward, general staff rooms, history room, and routine laboratories, and on the sixth floor, recently added, rooms for private patients.

The University Pavilion houses the general store room, an orthopedic work shop, the Butler Ward for colored patients, two wards for infectious diseases, and a floor devoted entirely to research laboratories.

The Mary Culver Building houses the auditorium and the general supply and service rooms. A large open-air ward occupies the roof of this building.

The Hospital is well equipped for teaching and research, and students are given the privilege of bedside observation and instruction.

The out-patient department of the Hospital is a unit of the Washington University Dispensary. During 1923, a total of 23,029 visits were made to the Children's Clinic.

The St. Louis Children's Hospital maintains a country department located on a 130-acre tract one and one-half miles west of Valley Park on the Missouri Pacific Railroad. The buildings have an elevation of 200 feet above the Meramec River to the south. They are of fire-proof construction and accommodate 50 patients. A school room for the patients is maintained by the Board of Education of St. Louis. Children suffering from malnutrition, or those who are convalescing from acute illnesses, and certain cases of tuberculosis of the bone, are admitted. Instruction for limited groups of students is offered at the Country Department.

WASHINGTON UNIVERSITY DISPENSARY

OUT-PATIENT DEPARTMENT OF THE BARNES AND ST. LOUIS CHILDREN'S HOSPITALS

Since December, 1914, when the Washington University Dispensary moved into its new building, all clinics have been held at this one place. The Dispensary is an organic part of the School of Medicine and is entirely controlled by the Corporation of the University through the Medical Faculty. It acts as the out-patient clinic for the Barnes Hospital and the St. Louis Children's Hospital. There were recorded in the Dispensary during 1923, 146,465 visits. The heads of the various depart-

ments in the School of Medicine control their departments in the out-patient clinic and these departments are responsible for the care of patients. All clinical facilities are available for teaching purposes, and the members of the third and fourth year classes in small sections work in these clinics under the supervision of the out-patient staff. The work of all services is facilitated by the coöperation of the Departments of Nursing and Social Service.

SERVICE OF THE WASHINGTON UNIVERSITY SCHOOL
OF MEDICINE IN THE CITY HOSPITALS

At the invitation of the authorities of the Hospital Division of the City of St. Louis, Washington University has assumed control and has become responsible for the medical care of one-half of the patients in the St. Louis City Hospital, and for one-half of the patients in the City Infectious Disease Hospital, and has further agreed to render such professional service in the other municipal institutions as the Hospital Commissioner might request.

The physical equipment of these hospitals is such that this service can be used to advantage for both undergraduate and graduate teaching, and the addition of these units to the clinical facilities of the University greatly broadens the opportunities for teaching. By this coöperation, it is also possible for the University to render a distinct service to the community and to the sick poor. The number of beds made available by this arrangement is approximately 500.

The general plan of organization of the Washington University units in these hospitals is the same as that in operation at the Barnes and St. Louis Children's Hospitals. Each unit is organized with a chief of staff who is held responsible for the work of the department and for the proper assignment of work to his associates.

LIBRARY

The Library contains (October 1, 1923) 35,249 bound volumes and receives 450 of the most important medical periodicals, selected with reference to the needs of students and investigators.

Of these 395 are in complete series. Including obsolete journals, there are 664 complete sets.

The Library is open week days from 8:30 A.M. to 10:00 P.M., except Saturdays, 8:30 to 6:00. In summer vacation the hours are 9:00 A.M. to 5:00 P.M.

The stacks are open to readers. In the stack rooms every other stack has a table at the window end. There are also three study rooms where books can be placed for investigators. A large reading room provides ample table space and open shelves for current publications.

The Library has been enriched by the acquisition of several private collections. Among these are the library of the late Julius Pagel, Professor of the History of Medicine at the University of Berlin, the gift of the late Mrs. Benjamin Brown Graham of St. Louis. This comprises about twenty-five hundred titles, including many works on the history of medicine, medical biography, bibliography, terminology, medical sociology, and ethics. There is also the fine collection of the late Dr. John Green of periodicals and books relating to ophthalmology; that of the late Dr. W. E. Fischel, on internal medicine, and the library of the late Dr. Frank J. Lutz, Clinical Professor of Surgery, containing many valuable works on anatomy, surgery, medical history, and biography.

The Beaumont Room, adjoining the main reading room, contains manuscripts, letters, and other valuable material of the pioneer American physiologist, William Beaumont, presented to the University by his granddaughter, the late Lily Beaumont Irwin. The original notes made during the investigations on the stomach of Alexis St. Martin form part of the collection. Here also may be seen the portrait of Beaumont by Chester Harding.

Other libraries in St. Louis containing literature relating to medicine, which are available to students, either directly or through the Library of the School, are the following:

The Library of Washington University, Skinker road.

The St. Louis Medical Library, 3525 Pine street.

The St. Louis Public Library, Olive and Fourteenth streets.

The Library of the Missouri Botanical Garden, Shenandoah and Tower Grove avenues.

The Mercantile Library, Broadway and Locust street.

A loan service is maintained with various medical libraries in the country, notably the Library of the Surgeon General in Washington, and the John Crerar Library in Chicago.

MUSEUMS AND COLLECTIONS

In the Department of Anatomy there is a museum for teaching and a collection of material for investigation.

The museum is combined with the class laboratories in order that it may be used for reference at all times. It comprises specimens and models of adult organs and organic systems, variations, and preparations illustrating development. Recently a valuable collection of anatomical specimens prepared with unusual skill and care by Bohumil Hochmann has been purchased for the museum. The collection contains a series of skeletons, of known race, sex and age, Indian crania and other material for anthropological study; microscopical sections, embryos, and models, and materials for the study of comparative anatomy.

The Museum of Pathology contains specimens prepared and catalogued for use in the teaching of pathological anatomy. Specimens needed by any department of the School for demonstrations or lectures may be obtained from the museum under regulations similar to those in force in the Library. The Departments of Surgery and Obstetrics have aided in the collection of material suitable for the teaching of these subjects and other special departments have the opportunity to coöperate in making similar collections. Diseases of bones are well illustrated by a large number of specimens collected during the early history of the School by Dr. Charles A. Pope and Dr. John T. Hodgen. A section of the museum contains experimental pathological lesions.

MEDICAL BULLETIN OF WASHINGTON UNIVERSITY

The Medical Bulletin contains the proceedings of the Washington University Medical Society. It is distributed, at present, to the libraries of medical schools and certain other scientific institutions and is available in the form of separates for distribution to the alumni of the School of Medicine.

WASHINGTON UNIVERSITY MEDICAL SOCIETY

The Washington University Medical Society is conducted to promote the advance of medicine in the University and in the

hospitals affiliated with it by the report and discussion of investigations undertaken in the laboratories and hospitals. Meetings are held on the second Monday of each month during the academic year. The meetings are open to students of the School. Physicians of St. Louis and visiting physicians are welcome.

REQUIREMENTS FOR ADMISSION

Applications for admission must be made to the Registrar before June 15. They may be filed at any time, but except under unusual circumstances, they will not be considered formally before June 15. Notification of acceptance or of non-acceptance will be sent to all candidates as soon as possible after June 15 and not later than July 1. On acceptance of the applicant, he must make a deposit of twenty-five dollars, which shall be in the hands of the Registrar within ten days after the receipt of notification of acceptance. This deposit of twenty-five dollars will be applied towards the first payment of his tuition, and will not be returnable.

Applicants for admission are required to have satisfactorily completed a standard four-year high school course, or its equivalent, and college courses covering at least two full years of work and representing at least sixty semester hours of credit, in an acceptable institution.

The college work must include courses of at least the credits stated below in the following subjects:

1. English, six semester hours.
2. French or German, ten semester hours in either language.* This requirement is intended to enable the student to read publications of the medical sciences in at least one of these languages, and the demonstration of a reading knowledge of either language, by examination, will be accepted in lieu of college credit. So far as possible, students should acquire a knowledge of both languages.

* In the case of students who present high school credits in French or German for entrance to college, the following college credits will be accepted provided the college courses are in continuation of and do not duplicate the high school work:

Eight semester hours following one high school unit, six semester hours following two high school units, and four semester hours following three high school units.

3. Physics, eight semester hours. The laboratory work should be in part of a quantitative character.

4. Chemistry, twelve semester hours, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work, and at least four semester hours must be in organic chemistry. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The preparation in chemistry should include also quantitative analysis if possible.

5. Biology (Zoölogy and Botany), eight semester hours. In addition to the study of the structure, functions, and life history of selected types of animal and plant life, the preparation in biology should include laboratory instruction in elementary embryology.

Applicants for admission are required to submit credentials from the college in which they have studied, enumerating (1) credits accepted for admission to college, (2) all college courses taken and dates of attendance, (3) the grade attained in each course, and (4) the credits allowed. The degrees received and the number of years of collegiate study successfully completed must also be stated. Blank forms for recording these data will be furnished on application.

Candidates who are deficient in any of the above minimum requirements will not be admitted.

As the size of each class is limited, it is attempted, provided there is a larger number of applicants, to select seventy-five of the most promising, according to the status of the college in which the applicant completed his pre-medical work, his standing in pre-medical courses, and the estimate of his fitness to undertake the study of medicine as stated in a personal letter from one of his science instructors to the Dean. Applicants who have completed their pre-medical work in the College of Liberal Arts of Washington University will be considered on the same basis as those from other recognized institutions, and will not necessarily be assured places in the class by reason of their previous registration in Washington University.

While two years of collegiate work, as in part above specified, fulfill the minimum requirement for entrance to the School of Medicine, the broader training afforded by additional years of

academic work offers better preparation for the study and practice of medicine. Students intending to pursue the study of medicine should, if possible, complete the four-year college course.

Students in Washington University preparing for the study of medicine, and who can devote only two years to preparation, may follow either of two plans, depending upon whether or not they desire to become candidates for the degree of Bachelor of Science.

BACHELOR OF SCIENCE

The degree of Bachelor of Science is conferred in the College of Liberal Arts on those students who have satisfactorily completed in the College of Liberal Arts of Washington University the two years of work described below, and have in addition received good grades in all the required courses of the first and second years in the School of Medicine. The degree is not granted to students taking their pre-medical course elsewhere.

PRE-MEDICAL CURRICULUM

Freshman Year

General Descriptive Chemistry.	Chemistry 1, 6 units.
Composition and Rhetoric.	English 1, 6 units.
Elementary French	French 2, 10 units,
or	or
Elementary German.	German 2, 10 units.
General Biology.	Zoölogy 1, 6 units.
Elective.	———, 6 units.
Physical Education	Phys. Ed. 1, ———
or	or
Military Training.	M. S. and T. 1, ———

Sophomore Year

Qualitative and Quantitative	
Analysis.	Chemistry 11 and 14, 6 units.
Organic Chemistry.	Chemistry 21, 6 units.
General Introduction to	
English Literature.	English 11, 6 units.

Advanced French	French 8, 3 units,
or	or
Advanced German.	German 10, 3 units.
Elementary Physics.	Physics 2, 8 units.
Embryology.	Zoölogy 4, 3 units.
Physical Education	Phys. Ed. 2, ———
or	or
Military Training.	M. S. and T. 2, ———

The following options and restrictions are effective:

1. (a) Students presenting two years of high school French or German for entrance take French 6 or German 3, and those presenting three years of French, French 7. In this case two electives totaling twelve units are required in the Freshman year, but a ten-unit language course may be substituted for these.

(b) Students attaining a grade of B (85-95%) in French 2 or German 2 may elect some other course in place of advanced French or advanced German.

(c) Freshman electives may be selected from the list of electives open to Freshmen, and Sophomores may elect any course not specifically restricted to Juniors and Seniors, provided the prerequisites have been satisfied.

(d) Candidates for the B.S. degree are required to attain an average grade of average C ($77\frac{1}{2}\%$) in the required work of the Sophomore year.

2. Sixty semester hours, including the minimum requirements for admission to the School of Medicine, will be accepted for the B.S. degree, provided the candidate has attained an average grade of B (85-95%) in the courses offered.

3. Those students who do not wish to become candidates for the B.S. degree, and who do not wish to pursue the course outlined above, may elect their two years of college work in accordance with the following schedule:

Freshman Year

Chemistry 1, 6 units.
English 1, 6 units.
French 1, 6 units, or
German 1, 6 units.
Zoölogy 1, 6 units.
Electives, 6 units.

Sophomore Year

Chemistry 11 and 14, 6 units.
Chemistry 21, 6 units.
French 6, 6 units, or
German 3, 6 units.
Physics 2, 8 units.
Zoölogy 4, 3 units.
Electives, 3 units.

French or German may be omitted and an elective substituted by students who show evidence on examination of a reading knowledge of the language.

ADMISSION TO ADVANCED STANDING

Applications for advanced standing must be made to the Registrar before June 15. They may be filed at any time, but, except under unusual circumstances, they will not be considered formally before June 15. Notification of acceptance or of non-acceptance will be sent to all candidates as soon as possible after June 15 and not later than July 1. On acceptance of the applicant, he must make a deposit of twenty-five dollars, which shall be in the hands of the Registrar within ten days after the receipt of notification of acceptance. This deposit of twenty-five dollars will be applied towards the first payment of his tuition, and will not be returnable.

Applications for advanced standing will be considered only insofar as there are vacancies in the advanced classes.

Applicants for admission to advanced standing (1) must furnish evidence that the foregoing terms of admission in regard to preliminary training have been fulfilled; (2) must show that courses equivalent in kind and amount to those given in this School, in the year or years preceding that to which admission is desired, have been satisfactorily completed; and (3) must satisfactorily pass examinations in those subjects in the work for which they have asked credit. These examinations may be waived at the discretion of the instructor in charge of the corresponding course. The applicant must have studied as a matriculated medical student in an acceptable medical school for a period of time at least equal to that already spent by the class to which admission is sought.

(a) Students who have received from an approved medical school credit for courses equivalent to those of the first year of this School in anatomy, chemistry, and physiology may be admitted to the second year class without examination, but, at the discretion of instructors, may be examined in these subjects at the end of the second year. (b) Students who have received from an approved medical school credits in anatomy, chemistry, physi-

ology, bacteriology, pathology, and pharmacology may be permitted to enter the third year class, but no student may enter with a condition in any of these subjects. At the discretion of instructors, such students may be examined in any of these subjects at the end of the third year. (c) Students who have received credit from an approved medical school for all required courses given in this school in the first, second, and third years may be admitted to the fourth year class without examination, but all such students at the end of the year may be required to pass examinations covering any or all of the courses of the first, second, or third, as well as of the fourth year.

Graduates of other medical schools, who are permitted to enter this School with advanced standing as candidates for the degree, are required (a) to pay the fees charged for the years in which they are in attendance, and (b) to fulfill the requirements for graduation, as stated in this announcement.

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

ADMISSION OF GRADUATES IN MEDICINE

Graduate students may be admitted to the School on the following basis: (1) Those who may be qualified to participate in definite investigation, under the direction of a member of the staff, may, upon the written recommendation of the instructor in charge, endorsed by the head of the department, be accepted by the Faculty as volunteer research assistants and will not be charged fees. (2) Visiting graduates may, with the consent of the heads of the departments concerned, take special work in one or more departments without paying fees. (3) A limited number of graduate physicians, or others who may be qualified, may be admitted to courses with the undergraduate classes subject to the consent of the instructors and the head of the department. Fees for special courses, individual instruction, or material will be determined in each case by the Dean, in conference with the head of the department in which the work is done. (4) A number

of special courses are being offered in medicine, pediatrics, and the specialties, concerning which full information will be given upon request.

STANDING AND PROMOTION

To enter any course, the student must have fulfilled the pre-requisites of that course, as announced in the catalogue.

Examinations to determine standing and promotion will be held at the close of each academic year.

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

No student will be permitted to undertake the work of the third year who has failed in any one of the subjects named above.

A student who at the end of the third year has failed in any two of the following subjects, medicine, physical diagnosis, clinical chemistry and microscopy, surgery, surgical pathology, or obstetrics, will be required to withdraw from the School, or may be required to do additional work as above stated.

No student will be permitted to undertake the work of the fourth year who has failed in physical diagnosis, clinical chemistry and microscopy, or surgical pathology.

A student who, because of poor quality of work in courses or for any other reason, is judged by the Faculty as unfit for the practice of medicine, will be required to withdraw.

The minimum time in which the courses required for the degree of Doctor of Medicine can be taken is four years.

Graduates of Washington University School of Medicine are exempt from the first and second examinations of the Conjoint Board of the Royal College of Physicians of London and the Royal College of Surgeons of England.

REQUIREMENTS FOR GRADUATION

The candidates must be more than twenty-one years of age and of good moral character. They must have attended not less than

four annual courses of medical instruction as matriculated medical students, the last of which has been in this School. They must have taken all obligatory courses offered here, or their equivalent, and have received a satisfactory grade in the work of the entire four years. They must have discharged all indebtedness to the School, and must be present when the degree is conferred.

At the end of the fourth year every student who has fulfilled these requirements will be recommended for the degree of Doctor of Medicine.

HOSPITAL APPOINTMENTS

In the second trimester of the year, interns for the Barnes Hospital and the St. Louis Children's Hospital are selected by the School of Medicine.

The services begin July 1, and are for one year. For 1924-25 these services are as follows:

Barnes Hospital

Medical Service, five positions.

Surgical Service, six positions.

Obstetrical Service, three positions.

St. Louis Children's Hospital

Pediatric Service, five positions.

Appointments to these positions are made from members of the fourth year class of the School of Medicine on the basis of class standing. Students in the first half of the class have a choice of the various services offered in the order of class rank. Appointees to the St. Louis Children's Hospital are required to complete one year's internship in an approved hospital, or at least a year in other acceptable clinical or scientific work before beginning service in the hospital.

About seventy other appointments are made each year to internships in the various hospitals of St. Louis not connected with the University. The fourth year students and graduates of this School may compete with those of other schools for these positions, which are filled upon the basis of examinations conducted by the respective boards of the hospitals.

PRIZES

TWO GEORGE F. GILL PRIZES are offered to the students of the School, viz.:

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

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

A prize of twenty-five dollars is offered by the Alpha Omega Alpha Fraternity, to be awarded at the end of the first year to the member of that class who shall have made the highest general average for the year.

WINNERS OF PRIZES AND HONORS, 1922-23

Gill Prize in Anatomy

Robert Milo Moore

Gill Prize in Diseases of Children

Leslie Albert Smith, B.S.

Alpha Omega Alpha Prize

Robert Milo Moore

FELLOWSHIPS AND SCHOLARSHIPS

A SURGICAL FELLOWSHIP has been established in the Department of Surgery for special neurological work. The income of this fellowship is \$1200.00 per year. Candidates for this fellowship must be graduates in medicine. Applicants who have had one year's internship are preferred.

TWO SURGICAL FELLOWSHIPS are available in the Department of Surgery for general work. The stipends for these fellowships vary somewhat, depending upon the experience of the applicant.

Application for these fellowships should be made to the Professor of Surgery.

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 the Scholarship, namely, \$100.00.

The ALUMNI SCHOLARSHIP, instituted by the Alumni of Washington University School of Medicine, entitles the holder to the same remission of the tuition fee, namely, \$100.00.

Applications for these scholarships should be filed with the Registrar.

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 as to the next instalment for payment due from the student.

MATRICULATION FEE

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

TUITION FEE

The tuition fee is \$300.00, payable in two equal instalments, at the beginning of the first and second half years. There are no laboratory fees.

LATE REGISTRATION FEE

A charge of \$3.00 will be made against each student who fails to register on the days set aside for that purpose. For 1924-25 these are: First half year, Monday, September 22, through Wednesday, September 24, 1924; second half year, Thursday, January 29, through Saturday morning, January 31, 1925.

DIPLOMA FEE

At the completion of the course a diploma fee of \$5.00 will be charged.

RENTAL OF MICROSCOPES

Students are required to furnish their own microscopes. The School of Medicine is willing to purchase a microscope for each student who does not already own one, and will charge a yearly rental for the instrument which will be approximately a quarter of the cost plus an interest of six per cent on the deferred payments. After the final payment, the microscope shall be the property of the student. These payments may be made yearly or at more frequent intervals. Students purchasing microscopes are held responsible for their return in good condition at the

close of each year. Students must provide their own hemocytometers.

BREAKAGE DEPOSIT

Each student is required to pay \$10.00 annually to cover breakage. Any balance of this deposit will be returned at the end of each year. No student will be granted the use of the laboratories or apparatus of the School until the required deposit has been paid.

All fees and charges are payable in advance at the office of the Treasurer in University Hall, or at the office of the Registrar of the School of Medicine. No rebate of the tuition fee can be made for absence, whether such absence occurs at the beginning, middle, or end of the half year, except in cases of prolonged illness certified to by a physician. Checks should be made payable to Washington University.

MEN'S DORMITORY

A dormitory building containing rooms for about sixty students is located on Forest Park Boulevard, in close proximity to Forest Park, one of the most attractive localities in the city. There is a tennis court in the rear of the building, and there are public golf links, tennis courts and baseball grounds in Forest Park. Each room is furnished with the following articles: a bed and mattress, one pillow, one table, two chairs, one chifforobe, costumer, toilet cabinet, student's lamp, two small rugs. Each occupant must furnish his own bed covering, consisting of sheets, pillow cases, counterpanes, and blankets.

The rental of a room is \$120.00 an academic year, payable in two instalments in advance, at the beginning of the first trimester and on February 1. Reservations are made upon the express understanding that the applicant agrees to occupy the room reserved until the close of the ensuing academic year. Application for reservation should be made on a prescribed form to the Registrar of the School of Medicine, and must be accompanied by a reservation fee of \$10.00. This fee will be returned, should the room not be assigned, but it will not be refunded for any other reason. If a room is assigned, the fee will not apply on the room rent, but will be held by the University to cover losses resulting from possible damage to the room or to the furniture. Any portion not so used will be refunded.

GENERAL PLAN OF INSTRUCTION

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

The course of study required of candidates for the degree of Doctor of Medicine extends over a period of at least four academic years, and is designed for students who have already received certain preliminary training. As stated in detail on pp. 80 ff., the student on entering the School must have completed two years of college work, which includes a knowledge of chemistry, physics, biology, English and either German or French.

The academic year, extending from the last week of September to the first week in June, is divided into either semesters or trimesters. The required work keeps the student occupied for about thirty hours each week, and demands outside preparation. As far as possible the work is so arranged as to leave free several half days each week, during which time those students who profitably can are encouraged to take extra work in the subjects of their greatest interest. To meet this demand, suitable optional courses are offered by each department in the School.

The curriculum, covering four years, is divided into three 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, pathology, bacteriology, and pharmacology. For this first period, the whole interest of the student is concentrated 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 semester of this year, the study of physiology begins. During the first trimester of the second year physiology and bacteriology are completed; and dur-

ing the remainder of the year courses in pharmacology and pathology are completed, and physical diagnosis, medical observation, and surgical technic are introduced, in preparation for the clinical work of the second period. A coördinating course of an hour a week is given throughout this two-year period in order to impress upon the student, by means of demonstrations on patients, the importance of the fundamental sciences in the interpretation and study of clinical conditions.

The second period, extending from the first trimester of the third year through the second trimester of the fourth year, is devoted primarily to clinical work. For the first half of this period, the student receives practical clinical instruction in the out-patient departments of medicine, surgery, and obstetrics, and attends clinics, lectures, and recitations in the clinical subjects. The work in the out-patient departments occupies from 6 to 8 hours per week. Patients are examined by the student and treated under the direction of the attending staff. During the second half of this period, the students are assigned to the various wards of the hospitals, and each section of the class serves a full trimester in the wards of medicine, surgery, and obstetrics and pediatrics, respectively. During the second period courses are given in clinical chemistry and microscopy, neurological pathology, surgical and gynecological pathology, and operative surgery on animals. Special emphasis is placed upon diagnosis and treatment of patients. There are few lectures. Instruction is given at clinics and at the bedside. Clinical work in the specialties is confined to the second half of the second period.

During the third and last period, which occupies the third trimester of the fourth year, there is no prescribed curriculum. The student must gain credit for 300 hours of elective work, 150 of which must be spent in some one department. It is expected that, during this period, the students will avail themselves of the opportunity to further any special interest they may have in any one of the fundamental sciences or clinical subjects, and that some few may attempt a certain amount of original work. Fourth year students whose mornings are occupied by prescribed studies will be required to elect 75 hours of work in not more than two departments. At the present time, the entire curriculum is being recast with a view to making it more elastic. While under the

new arrangement less time will be available for electives in this trimester, yet the qualified student will be given throughout all four years an opportunity to devote more attention to the subjects of his greatest interest than is now possible.

SUMMARY OF ENTIRE CURRICULUM BY HOURS

Giving the actual work required of each student graduating in June, 1924, exclusive of examination hours:

SUBJECTS	HOURS	SUBJECTS	HOURS
Histology	252	Medical Jurisprudence*	11
Neurology	121	Surgery	616
Human Dissection	297	Ophthalmology	66
Applied Anatomy	22	Oto-Laryngology ...	110
Biological Chemistry..	260	Obstetrics	154*
Physiology	276	Gynecology	66
Pharmacology	121	Pediatrics	198
Bacteriology	110	Preventive Medicine..	33
Pathology	477	Medical History	8
Internal Medicine.....	597	Elective	300**
Neurology and Psychiatry	154		
Dermatology	44		
		TOTAL.....	4,293

* Each student is required to attend twelve cases.

** See p. 92.

COURSES OF INSTRUCTION

ANATOMY

*Robert J. Terry, M.D.	Professor of Anatomy
Beatrice Whiteside, Ph.D.	Instructor in Anatomy
Edward V. Mastin, M.D.	Instructor in Anatomy
Forest H. Staley, M.D.	Instructor in Anatomy
Kehar Singh Chouke, M.D.	Instructor in Anatomy
Mildred Trotter, M.S.	Assistant in Anatomy
Leith H. Slocumb, M.D.	Assistant in Anatomy
James E. Lynch, M.A.	Assistant in Anatomy
Louise Harrison, B.L.	Assistant in Anatomy
Anne M. Thomson	Research Assistant in Anatomy
Yun Chan Sun, A.B.	Student Assistant in Anatomy
James Clem Hayward	Student Assistant in Anatomy

First Year

3. HISTOLOGY. The subject is presented from an embryological viewpoint. The early part of the course is devoted to a review of the salient features of human embryology and an intensive study of the histogenesis of fundamental tissues. This is followed by a study of the organogeny, fine anatomy and history of the several systems. Each student is provided with a loan collection of selected preparations and also has access to a collection of reference slides. Lectures, demonstrations and recitations are designed to supplement and co-ordinate the work. Six mornings a week in the first trimester. 225 hours.

Professor Terry, Dr. Whiteside, Dr. Chouke, and Assistants

5. NEURO-ANATOMY. A laboratory and lecture course on the development and macroscopic and microscopic anatomy of the central nervous system and sense organs. Collections of sections

* On leave of absence.

through the brain stem, special Weigert and Golgi preparations, wax models, and embryological and adult material for dissection are provided. The gross dissection is followed by a study of neuro-histology, of fiber tracts, nuclei, the interrelations of the neurone systems, and functional significance of special organs. Eighteen hours a week during the first half of the second trimester. 108 hours.

Professor Terry, Dr. Whiteside, Dr. Chouke, and Assistants

6. HUMAN DISSECTION. The course offers opportunity for the systematic study of the gross structure of the human body. Each student is provided with material for the preparation and study of the muscles, joints, and skeleton; the viscera; the vascular system and peripheral nerves. Lectures and demonstrations on certain aspects of human anatomy serving to emphasize the observations made in the laboratory and to direct attention to human structure in relation to function, pathological change, medical and surgical application, variation and heredity are given from time to time during the year. Nine hours a week throughout the year. 353 hours.

Professor Terry, Dr. Mastin, Dr. Staley,
Dr. Slocumb and Assistants

Second Year

9. APPLIED ANATOMY. The conventional surgical regions are considered and the skeleton, muscles, bloodvessels, nerves, and lymphatics are discussed from the surgeon's point of view. Lectures and demonstrations two hours during the second trimester. 22 hours. (Course not offered 1923-24.)

OPTIONAL AND ELECTIVE COURSES

8. *Topographical Anatomy*. Six hours a week in the third trimester in laboratory study of the position and relations of organs. Sections, museum preparations, and models are used as material for study. 66 hours.

Dr. Staley

10. *Advanced Course in Gross Anatomy*. Dissection of the human body, study of preparations and sections. Hours to be arranged.

Professor Terry

15. *Anatomical Technology.* Opportunity is afforded for gaining experience in the ordinary methods of preparing material for study. Among the methods undertaken are: preservation of gross material, color injection, preparation of bones, the technique of fixing, embedding, cutting and staining microscopical objects. Six hours of laboratory work in the third trimester. 66 hours.

Miss Harrison

Graduate courses in Anatomy. See Bulletin of Washington University, 67th Annual Catalogue, p. 238.

BIOLOGICAL CHEMISTRY

Philip A. Shaffer, Ph.D. . . . Professor of Biological Chemistry
Michael Somogyi, Ph.D. . . . Instructor in Biological Chemistry
Ethel Ronzoni, Ph.D. . . . Instructor in Biological Chemistry
Theodore E. Friedemann, Ph.D. Instructor in Biological Chemistry
Edward S. West, Ph.D. . . . Instructor in Biological Chemistry
Alfred P. Briggs, M.D. . . . Assistant in Biological Chemistry
Irene Koechig, A.M. . . . Assistant in Biological Chemistry
Charles L. Shrewsbury, A.B. . Student Assistant in Biological
Chemistry

3. **BIOLOGICAL CHEMISTRY.** A systematic course of lectures, recitations, conferences, and laboratory work covering those portions of the subject which are of the greatest importance to the student of medicine. The laboratory work includes detailed study of the chemistry of fats, carbohydrates, and proteins; the synthetic preparation of a few organic substances; the analysis of the more important animal tissues and fluids; a study of the action of enzymes; the conduct of metabolism experiments by the student upon himself as illustrating some of the principles of nutrition; a study of the composition of important foods; and extended practice in chemical technique. During the latter part of the course, after reading the published records of original investigations, each student prepares a thesis upon a selected topic. So far as time permits, the theses are presented to the class for discussion. Prerequisite: courses in inorganic and organic chemistry and quantitative analysis. Second semester,

lectures and recitations five hours, and laboratory eleven hours a week. Lectures and recitations 85 hours, laboratory 187 hours.

Professor Shaffer, Dr. Somogyi, Dr. Ronzoni,
Dr. Friedemann, Dr. West, Dr. Briggs

4. *Advanced Work.* Courses of laboratory work and selected reading in biological chemistry will be arranged to suit individual needs.

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

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

PHYSIOLOGY

Joseph Erlanger, M.D. Professor of Physiology
George H. Bishop, Ph.D. Associate in Physiology
H. Lester White, M.D. Associate in Physiology
Ethan B. Pfefferkorn, M.S. . . . Student Assistant in
Physiology

First and Second Years

2. **PHYSIOLOGY.** Lectures. This course is designed especially to meet the needs of students of medicine, but is open to properly prepared students in the College. It consists of lectures, demonstrations and recitations covering systematically the field of human physiology. As far as practicable the lectures are descriptive of experiments demonstrated in the lecture room. Free use is made of charts, models, lantern slides, and records for the purpose of bringing to the attention of the student the experimental basis of those principles of the subject that do not lend themselves readily to experimental demonstration. Weekly recitations are held upon the subject matter of the lectures. The lectures begin in the second semester of the first year and are continued during the first trimester of the second year. Properly prepared students in

the College of Liberal Arts and, under exceptional circumstances, medical students will be permitted to begin the course at the opening of the college year. The course is so arranged that students are enabled to acquire some knowledge of anatomy, embryology, histology, neurology, and biological chemistry before the physiological aspects of the related topics are considered. The following subjects are covered in the lectures: muscle and nerve, central nervous system, senses, blood, circulation, respiration, secretion, digestion, nutrition, and reproduction. Only those students will be admitted to the course who have completed or have begun the study of anatomy and biological chemistry. 114 hours.

Professor Erlanger, Dr. Bishop, Dr. White

Second Year

3. PHYSIOLOGY. Laboratory Course. This course must be taken in conjunction with Physiology 2. The experiments are so arranged as to serve at one and the same time to illustrate fundamental principles of physiology and to familiarize the student with the more important bio-physical methods employed in experimental physiology and medicine. The class works in groups of two. Each group has its individual table, which is supplied with all the apparatus necessary for the performance of the general experiments. To the groups is assigned in rotation the apparatus needed for the performance of special experiments. As far as practicable the students serve as subjects of the special experiments and study upon themselves by quantitative methods certain phases of the physiology of muscle and nerve, and of the circulation, respiration, central nervous system, and sense organs. The instruction in the laboratory is largely individual. Weekly conferences are held for the discussion and correlation of the experimental data. First trimester of the second year. 146 hours.

Professor Erlanger, Dr. Bishop, Dr. White, Mr. Pfefferkorn

4. Demonstration Methods. This course is designed primarily for students preparing to teach physiology, and who may desire a wider experience in experimental physiology than can be gained in Courses 2 and 3. It consists mainly of experiments demonstrated in Course 2. The time and the amount of work are

not limited, except that assistance must be arranged for by definite engagements.

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

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

THE EDWARD MALLINCKRODT DEPARTMENT OF PHARMACOLOGY

Herbert S. Gasser, M.D.* . . Professor of Pharmacology

Charles M. M. Gruber,

Ph.D., M.D. Associate Professor of Pharmacology

Julian Y. Malone, M.D. . . Instructor in Pharmacology

Roy F. Baskett Student Assistant in Pharmacology

Samuel F. Roberts Student Assistant in Pharmacology

Clarence H. Woodmansee, M.S.. Student Assistant in Pharmacology

1. PHARMACOLOGY. (a) Lectures, recitations, and demonstrations covering the general field of pharmacology. The action of each of the chief medicinal drugs on the individual organs or functions of the body is studied in detail, the subject matter of the lectures being correlated with the work of the laboratory. Attention is given to the methods of diagnosis and treatment of poisoning by the commoner drugs. The application of pharmacological principles to clinical medicine is emphasized. Students are required to familiarize themselves with prescription writing and the dosage of the more important preparations. Prerequisite, Anat-

* On leave of absence.

omy, Biological Chemistry, and Physiology 2 and 3. Second trimester of the second year. Courses (a) and (b) are required of medical students, but course (a) may be taken alone by special students. 66 hours.

Professor Gasser, Professor Gruber

(b) **LABORATORY COURSE.** Students work in small groups and complete sets of apparatus for the individual experiments are supplied to each group of students. The course is arranged to demonstrate the pharmacological action of the more important drugs, and at the same time to familiarize the student with methods and processes used in experimental pharmacology. The chemical reactions of groups of drugs and important compounds are studied briefly. Complete records of each experiment, giving all the data which do not lend themselves readily to graphic methods, are kept by the students and filed together with the tracings in permanent note books. Five hours a week during the second trimester of the second year. 55 hours.

Professor Gasser, Professor Gruber

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

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

PATHOLOGY AND BACTERIOLOGY

—————, M.D.	Edward Mallinckrodt Professor of Pathology
Frank A. McJunkin, M.D.	Associate Professor of Pathology
Howard H. Bell, M.D.	Associate Professor of Bacteriology
L. S. Newman Walsh, M.D.	Instructor in Pathology
Kenneth L. Burdon, Ph.D.	Instructor in Bacteriology
Leslie A. Smith, M.D.	Assistant in Pathology
Roland W. Stuebner, M.D.	Assistant in Pathology
Myron W. Davis	Student Assistant in Pathology
James I. Knott, B.S.	Student Assistant in Bacteriology

Second Year

1. **BACTERIOLOGY.** This course is a general survey of the entire field of bacteriology from the biological point of view. Special attention is given to the subjects of fermentation, putrefaction and toxin production, sterilization and disinfection, and the nature of infection and its effects. In the laboratory the methods of observing and staining bacteria and methods of bacteriological diagnosis are taught. Ten hours a week during the first trimester. 113 hours. Professor Bell

2. **PATHOLOGY.** Prerequisite courses for pathology are represented by the required work in anatomy, biological chemistry, and bacteriology. Graduate students in the College of Liberal Arts whose major work lies in biology may elect pathology as a minor at the discretion of the department concerned. The course is subdivided as follows:

(a) **LECTURES AND LABORATORY WORK.** Instruction includes lectures, demonstrations, recitations, and work in the laboratory. General pathology will be taught by lectures and demonstrations given in association with the study of the gross and histological characters of lesions together with experiments performed by the student. Pathological histology will be studied by means of sections stained for microscopic examination by the student, supplemented by specially prepared specimens which are loaned; students are urged to describe and to draw the lesions they find. Some familiarity with the literature of pathology will be obtained by reports upon special topics made by members of the class during one hour each week in the second trimester. Lectures and laboratory work, eleven hours a week in the second trimester and thirteen hours in the third trimester. 268 hours.

Professor McJunkin, Dr. Walsh, Dr. Smith, Dr. Stuebner

(b) **RECITATIONS.** The work of each week is reviewed by a recitation, in which effort is made to determine how accurately the student has grasped the subjects studied in the laboratory. One hour a week. 25 hours. Professor McJunkin

(c) **CONDUCT OF AUTOPSIES.** Autopsies are performed before the class. Students are instructed in the methods of post-mortem

examination and in small groups have opportunity to practice the methods employed. Special attention is given to the preparation of orderly records.

Professor McJunkin, Dr. Walsh, Dr. Smith, Dr. Stuebner

(d) GROSS PATHOLOGY. Fresh pathological tissues are demonstrated to the class divided into small sections, and students study by personal contact the lesions which occur. Fresh material is supplemented by organs preserved as museum specimens. By means of sections prepared by freezing, the relation of gross to histological changes is defined. Two hours once a week during the second and third trimesters. 48 hours.

Dr. Walsh, Dr. Smith, Dr. Stuebner

3. INFECTION AND IMMUNITY. Lectures on the nature of infection and immunity will be given in the second trimester of the second year. The changes which occur in blood as the result of immunization will be studied in the laboratory. Students will perform reactions which demonstrate the existence of amboceptor and complement, precipitins, and other substances; they will determine the strength of agglutinating sera, and will study the serum reactions used for the diagnosis of syphilis. One lecture and three hours of laboratory work each week during the second trimester. 45 hours.

Professor Bell

4. CLINICAL AND PATHOLOGICAL CONFERENCE. The clinical history and treatment of patients who have died is discussed before the class by the physicians and surgeons of the departments concerned. The specimens and microscopical slides from the corresponding autopsies are reviewed with reference to the clinical histories. The important gross and microscopical lesions are illustrated by lantern slides. One hour a week during five trimesters in the third and fourth years. 55 hours.

Professor McJunkin, Dr. Walsh, Dr. Smith, Dr. Stuebner

5. *Medical Zoölogy*. The student will be provided with material suitable for the study of protozoa, parasitic worms and parasite and blood-sucking insects. He will familiarize himself with the clinical diagnosis of animal parasites and the patho-

logical changes caused by them in man. The inspection of meat to determine the presence of laval parasites will be practiced. The relation of the subject to public health will be considered. Hours to be arranged in the third trimester. Dr. Walsh

6. *Pathology of Tuberculosis.* The course is offered to physicians who are making a special study of tuberculosis. The pathology of first infection in tuberculosis will be studied at autopsy by means of pathological specimens and by X-ray plates and its relation to the apical lesions of adults will be considered. Special attention will be given to latent tuberculosis and its relation to clinical tuberculosis will be considered. The relation of human and bovine bacilli to various types of human tuberculosis will be determined by appropriate methods. Problems of experimental tuberculosis will be considered and experiments will be performed. Physicians with the necessary preliminary training who desire to take the course will give their entire time to the work. Hours to be arranged.

7. *Research.* The laboratory offers facilities for research in pathology and bacteriology. Specialists with adequate training who desire to extend their knowledge of the pathology of their specialty will be given opportunity for this study.

COMPARATIVE PATHOLOGY

Leo Loeb, M.D. . . . Professor of Comparative Pathology

1. Seminar for the discussion of selected problems in comparative and general pathology. Open to a limited number of students.

2. Qualified students may be admitted to the laboratory for research in comparative pathology.

3. Lectures on selected problems in comparative and general pathology.

THE JOHN T. MILLIKEN DEPARTMENT OF MEDICINE*

(The Department of Medicine includes Internal Medicine, Neurology and Psychiatry, and Dermatology.)

*All the names before the break in the column are those of the full-time staff.

David P. Barr, M.D.	Busch Professor of Medicine
Ralph A. Kinsella, M.D.	Associate Professor of Medicine
Frank H. Ewerhardt, M.D.	Associate in Physical Therapeutics
Alfred P. Briggs, M.D.	Assistant in Medicine
Paul S. Barker, M.D.	Assistant in Medicine
Alfred Goldman, M.D.	Assistant in Medicine
Lee D. Cady, M.D.	Assistant in Medicine
Samuel H. Kahn, M.D.	Assistant in Medicine
Charles H. Hitchcock, M.D.	Assistant in Medicine
E. Lee Shrader, M.D.	Assistant in Medicine

Elsworth S. Smith, M.D.	Professor of Clinical Medicine
Albert E. Taussig, M.D.	Associate Professor of Clinical Medicine
Warren P. Elmer, M. D.	Associate Professor of Clinical Medicine
R. Walter Mills, M.D.*	Associate in Clinical Medicine
William H. Olmsted, M.D.	Associate in Clinical Medicine
George W. Wilson, M.D.	Associate in Clinical Medicine
Walter Baumgarten, M.D.	Instructor in Clinical Medicine
Jerome E. Cook, M.D.	Instructor in Clinical Medicine
Llewellyn Sale, M.D.	Instructor in Clinical Medicine
Louis H. Hempelmann, M.D.	Instructor in Clinical Medicine
Jacob J. Singer, M.D.	Instructor in Clinical Medicine
Walter Fischel, M.D.	Instructor in Clinical Medicine
Drew W. Luten, M.D.	Instructor in Clinical Medicine
Frank D. Gorham, M.D.	Instructor in Clinical Medicine
Joseph W. Larimore, M.D.	Assistant in Clinical Medicine
Adolph M. Frank, M.D.	Assistant in Clinical Medicine
Oliver H. Campbell, M.D.	Assistant in Clinical Medicine
Charles H. Eyermann, M.D.	Assistant in Clinical Medicine
Raleigh K. Andrews, M.D.	Assistant in Clinical Medicine
Lionel S. Luton, M.D.	Assistant in Clinical Medicine
Arthur E. Strauss, M.D.	Assistant in Clinical Medicine
Samuel B. Grant, M.D.	Assistant in Clinical Medicine

* Died February 15, 1924.

Second Year

1. PHYSICAL DIAGNOSIS. Lectures, demonstrations, and practical exercises in the technique of physical diagnosis and in the interpretation of the signs elicited by inspection, palpation, percussion and auscultation in health. Third trimester. 44 hours.

Professor Elmer

2. ELEMENTARY MEDICINE. The course is composed of the following subdivisions:

(a) Recitations in Medicine. Based on reading assigned in a text-book of medicine in correlation with co-incident classwork in Pathology. 22 hours.

Dr. Grant

(b) Introductory Clinic. The observation and interpretation of symptoms and signs in ward and dispensary patients with special reference to pathological physiology and its relation to diagnosis. Instruction in the preparation of clinical histories is also included. 22 hours.

Professor Kinsella

Third Year

4. PHYSICAL DIAGNOSIS. Practical training in the physical methods of diagnosis. This includes not only the ordinary methods of physical diagnosis but the technique and application of sphygmomanometry, fluoroscopy, and the like. Records and diagrams of the findings in all cases examined by members of the class are handed in and criticised. The class is divided into small groups and each group studies patients in the hospital wards and in the dispensary. Two hours a week for three trimesters. 66 hours.

Professor Taussig and Staff

5. CLINICAL CHEMISTRY AND MICROSCOPY. A series of lectures and a laboratory course in methods of microscopic and chemical diagnosis. The subjects are the urine, blood, stomach contents, sputum, fæces and puncture fluids. Material is obtained from cases in the hospitals and dispensaries. Considerable reading is required outside of laboratory hours. Seven hours a week, first trimester. 83 hours.

Professor Kinsella, Dr. Olmsted, Dr. Goldman

6. **MEDICAL DISPENSARY.** One-third of the class in the medical dispensary during each trimester. This group is subdivided and the sub-groups rotate through the general medical, gastro-intestinal, and tuberculosis clinics. The students take histories, and make physical and laboratory examinations under the direction of the staff. Two hours four days a week for one trimester. 88 hours.

Dr. Eyermann, Dr. Wilson, Dr. Strauss, Dr. Sale,
Dr. Singer, Dr. Gorham

7. **THERAPEUTICS.** A course designed to give students a practical knowledge of the methods, the various drugs, and the agencies employed in the treatment of disease. Special emphasis is laid upon understanding the disease to be treated, and lectures in clinical bacteriology and physiology are used as bases for determining the kind of treatment which must rationally be applied. One hour a week during two trimesters. 22 hours.

Professor Kinsella, Dr. Olmsted, Dr. Ewerhardt, Dr. Barker,
Dr. Strauss, Dr. Singer, Dr. Eyermann

8. **DIETETICS.** Lectures and recitations upon foods, beverages and condiments in health and disease. One hour a week for one trimester. 11 hours.

Dr. Olmsted

Third and Fourth Years

10. **MEDICINE.** The course is subdivided as follows:

(a) **Medical Ward Work.** The class is divided into three sections. Each section is in daily attendance for eleven weeks. Ward rounds 9-10 a. m. daily. The students are assigned cases in the medical wards and are required to write the histories and make physical and laboratory examinations, write résumés with diagnosis and prognosis and describe treatment in detail. The patients are examined, the work of the section scrutinized and criticised, methods of diagnosis and treatment discussed and practiced, and special reading assigned. The specimens from autopsies on medical patients are studied with reference to the clinical histories and the gross and microscopic anatomy. 176 hours.

Professor Kinsella, Professor Smith, and Assistants

(b) Clinical Conferences. Patients whose cases have been investigated by students working in the wards are presented before the class and diagnosis, pathology, and treatment discussed from various points of view. Once a week for one year. 33 hours.

Professor Kinsella

(c) A weekly clinic in which a series of subjects, such as gastrointestinal diseases, arterial hypertension, disturbances of internal secretions, pulmonary tuberculosis, and the mechanism of the heart beat are presented. Material from the Out-Patient Department is presented by members of the dispensary staff. 33 hours.

Professor Smith, Professor Schwab, Dr. Mills, Dr. Sale,
Dr. Singer, Dr. Luten, Dr. Strauss,
Dr. Eyermann, Dr. Gorham

(d) Clinical and Pathological Conferences. Students attend these conferences during their third and fourth years. The staffs of the various clinical departments and of the Department of Pathology participate in giving this course. (See Pathology 4.)

13. *Diagnosis and Treatment of Diseases of the Digestive Tract.* The course consists of history taking and physical diagnosis of the abdomen, including radiology, fluoroscopy, plate reading, sigmoidoscopy, etc. Hours by special arrangement.

Dr. Mills, Dr. Larimore

14. *Diagnosis and Treatment of Heart Disease.* A practical course in the technique of polygraphic and electrocardiographic methods for the study of cardiac disorders; their use in diagnosis and treatment of heart disease will be considered. Open to a limited number of students. Hours by special arrangement.

Dr. Strauss

15. *Advanced Work in Laboratory Diagnosis.* An elective course for those qualified. Undergraduates who can devote one entire trimester to the work and graduates in medicine with the necessary previous training who wish to investigate problems in clinical pathology are eligible. Hours to be arranged.

Professor Kinsella

16. *Research in Medicine.* Specially qualified students are encouraged to undertake research in problems bearing on medicine in the laboratories of the department. Credit to be arranged.

Professor Kinsella

Neurology and Psychiatry

Sidney I. Schwab, M.D. . . . Professor of Clinical Neurology
Leland B. Alford, M.D. . . . Associate in Clinical Neurology
Andrew B. Jones, M.D. . . . Instructor in Neuropathology
James Lewald, M.D. . . . Assistant in Clinical Psychiatry
Groves B. Smith, M.D. . . . Assistant in Clinical Neurology
and in Child Psychology
Archie D. Carr, M.D. . . . Assistant in Clinical Neurology

Second and Third Years

1. NEUROLOGY.

(a) Introductory course in neurology and psychiatry, lectures, and demonstrations in clinical anatomy and physiology of the nervous system. Methods of neurological examination, history taking, study of case histories, etc. One hour a week for two trimesters. 22 hours.

Professor Schwab

(b) Neuropathology. Laboratory demonstration of the material covered in Course (a), with a study of gross and microscopic lesions of the nervous system, fibre tracts, etc. Exercises in examination and description of microscopic preparations of the more common diseases of the nervous system. Two hours a week for one trimester. 22 hours.

Dr. Carr

(c) Neurological Dispensary. Students in small groups spend part of their time in the neuro-psychiatric dispensary attending the neurological, psychiatric, and mental deficiency clinics. Diagnosis and treatment of neuro-psychiatric conditions are studied. Two hours a week for one trimester. 22 hours.

Professor Schwab, Dr. Jones, Dr. Carr and Assistants

Third and Fourth Years

3. NEUROLOGY.

(a) Neurological ward rounds with the medical group. Neurological and such psychiatric cases as are suitable for hospital

treatment are studied. Two hours a week for one trimester for each medical group. 22 hours. Professor Schwab

(b) Neurological Conference. A series of clinical demonstrations before the whole class in which all available types of nervous and mental diseases found in the hospital are discussed. One hour a week for three trimesters. 33 hours. Professor Schwab

4. PSYCHIATRIC CLINIC. Selected cases illustrating the various groups of mental disorders are demonstrated and discussed. This clinic is held at the St. Louis City Sanitarium. Three hours a week for one trimester. 33 hours. Dr. Lewald

Dermatology

Martin F. Engman, M.D. . . . Professor of Clinical Dermatology
William H. Mook, M.D. . . . Instructor in Clinical Dermatology
Richard S. Weiss, M.D. . . . Instructor in Clinical Dermatology
Adolph H. Conrad, M.D. . . . Instructor in Clinical Dermatology

Third Year

(a) DERMATOLOGY. A lecture course on diseases of the skin and on syphilis, by which the student will be prepared to understand clinical dermatology in the succeeding year. This course will be a general survey of the etiology, symptomatology, pathology, and treatment of skin diseases and the history and pathology of syphilis. Second trimester. 11 hours. Professor Engman

Fourth Year

(b) DERMATOLOGY. A clinical course, conducted in the Dispensary, in which the student examines patients and is instructed in the diagnosis and treatment of diseases of the skin and of syphilis. 33 hours. Professor Engman, Dr. Mook

THE MARY CULVER DEPARTMENT OF SURGERY*

(The Department of Surgery includes General Surgery, Orthopedic Surgery, Neurological Surgery, Genito-Urinary Surgery, Gynecology, Ophthalmology, and Oto-Laryngology.)

*All the names before the break in the column are those of the full-time staff.

Evarts A. Graham, M.D. . .	Bixby Professor of Surgery
Montrose T. Burrows, M.D. .	Associate Professor of Experimental Surgery
Sherwood Moore, M.D. . . .	Associate in Surgery (Radiology)
Glover H. Copher, M.D. . .	Assistant in Surgery
William H. Chambers, Ph.D. .	Assistant in Experimental Surgery
Frederick A. Jostes, M.D. . .	Assistant in Surgery
Duff S. Allen, M.D.	Assistant in Surgery
Roland M. Klemme, M.D. . .	Assistant in Surgery
Warren H. Cole, M.D.	Assistant in Surgery
Oscar C. Zink, M.D.	Assistant in Surgery (Radiology)
Isaac Y. Olch, M.D.	Assistant in Surgery
Harold Corkill, M.B.	Assistant in Surgery
Cleon E. Colgate, A.B. . . .	Fellow in Surgery
Harry J. Davis	Fellow in Surgery
Maxwell D. Macdonald, M.D. .	Fellow in Neurological Surgery
<hr/>	
Ernest Sachs, M.D.	Professor of Clinical Neurological Surgery
Major G. Seelig, M.D.	Professor of Clinical Surgery
John R. Caulk, M.D.	Associate Professor of Clinical Genito-Urinary Surgery
Vilray P. Blair, M.D.	Associate Professor of Clinical Surgery
Barney Brooks, M.D.	Associate Professor of Clinical Surgery
Willard Bartlett, M.D.	Associate in Clinical Surgery
Malvern B. Clopton, M.D. . .	Associate in Clinical Surgery
Arthur O. Fisher, M.D.	Associate in Clinical Surgery
J. Archer O'Reilly, M.D. . . .	Associate in Clinical Orthopedic Surgery
Charles A. Stone, M.D.	Instructor in Clinical Orthopedic Surgery
Edwin P. Lehman, M.D.	Instructor in Clinical Surgery
Warren R. Rainey, M.D. . . .	Instructor in Clinical Surgery
Walter C. G. Kirchner, M.D. .	Assistant in Clinical Surgery
William M. Robertson, M.D. .	Assistant in Clinical Genito-Urinary Surgery

H. McClure Young, M.D. . .	Assistant in Clinical Genito- Urinary Surgery
Harry G. Greditzer, M.D. . .	Assistant in Clinical Genito- Urinary Surgery
J. Edgar Stewart, M.D. . .	Assistant in Clinical Orthopedic Surgery
Dalton K. Rose, M.D. . . .	Assistant in Clinical Genito- Urinary Surgery
Earl C. Padgett, M.D. . . .	Assistant in Clinical Surgery
Edward V. Mastin, M.D. . .	Assistant in Clinical Surgery

Second and Third Years

1. INTRODUCTION TO SURGERY. A laboratory, demonstration and lecture course in which are studied certain fundamental processes of physiology and pathology as applied to surgery. Special emphasis is laid on the growth of tissues, with particular reference to wound healing and transplants, the effects of tissue asphyxia and similar subjects. Attention is directed to a study of the processes involved rather than merely to the end results. The students also test and practice various methods of sterilization of hands, instruments, etc., using bacterial cultures as checks on the methods. The course includes the demonstration of patients who illustrate various points under discussion. Five hours weekly during the second trimester of the second year. 55 hours.

Dr. Lehman

2. SURGERY. The course is subdivided as follows:

(a) SURGICAL OUT CLINIC. For one trimester, four times weekly, beginning with the third trimester of the second year, a third of the class serve as dressers in the Surgical Out Clinic. Cases are examined by the students and demonstrated to them. Under the supervision of the assistants, the students take histories and apply dressings and bandages. 88 hours.

Professor Graham, Professor Sachs, and Assistants

(b) SURGICAL RECITATIONS. A weekly recitation during the fall and spring trimesters on assigned surgical reading. A

standard text-book is followed, and so far as possible the essentials not given in other courses are covered. 22 hours.

Professor Seelig

(c) FRACTURES. Demonstrations, conferences, and lectures on the more common fractures. Patients both in the hospitals and in the dispensary will be used in this course. One hour weekly during the second trimester. 11 hours. This is supplemented by several optional hours at the City Hospital, during which time the extensive fracture material of that hospital is shown to the students.

Professor Brooks, Dr. Rainey

(d) OPERATIVE SURGERY. A three-hour exercise given weekly during the second trimester of the third year. Actual case histories are discussed, and the operations indicated from these discussions are performed on animals by the students. The surgical technique is as rigid as in the operating room, and it is required that the operations shall be performed without pain to the animal. The course is given in two sections. 33 hours.

Professor Sachs, Dr. Fisher

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

Professor Graham

(f) SURGICAL CONFERENCE. The pathology, diagnosis, and treatment of surgical conditions, as illustrated by ambulatory out-patient cases, are discussed. A weekly exercise during three trimesters. 33 hours.

Professor Sachs

(g) GENITO-URINARY SURGERY. Lectures and recitations in genito-urinary surgery. Second trimester, third year. 11 hours.

Professor Caulk

3. SURGICAL PATHOLOGY. A weekly exercise of two hours for three trimesters, at which specimens from the operating room and from the museum are studied in gross and microscopically. Case histories are presented with the specimens. 66 hours.

Professor Brooks

Third and Fourth Years

4. SURGERY. The course is subdivided as follows:

(a) **SURGICAL WARDS.** For one trimester the student serves as assistant in the surgical wards from 9 a. m. to 12 m. five days a week.

Rounds are made from 9 to 10 a. m. Professor Graham and the surgical resident discuss the general surgical cases. Professor Sachs makes rounds on the special neurological cases once a week. Professor Caulk, Professor Blair, Dr. Clopton, and Dr. O'Reilly make rounds from time to time on their special cases.

The students, under the direction of the house staff, take case histories and make physical examinations and the usual laboratory examinations. They assist at some of the operations and with the anæsthetic, and do some of the surgical dressings. They also attend autopsies performed on the cases studied by them and are required to be present at the weekly pathological conference at which these cases are discussed. (See Pathology 4.) One day each week the group spends the period from 9 a. m. to 12 m. at the St. Louis Children's Hospital, where Dr. O'Reilly demonstrates the orthopedic cases and Dr. Clopton the general surgical cases. 198 hours.

Professor Graham, Professor Sachs, Professor Caulk, Professor Blair, Dr. Clopton, Dr. Fisher, the Resident

(b) **SURGICAL CLINIC.** A weekly exercise throughout three trimesters. Students of the fourth year examine the patients and present the cases for discussion. Students of the third year attend this exercise. 33 hours.

Professor Graham, Professor Sachs

5. **GENITO-URINARY OUT CLINIC.** The student serves as dresser in the Genito-Urinary Out Clinic six times a week for one-half trimester under the same conditions as in Course 2. 33 hours.

Professor Caulk and Assistants

6. **ORTHOPEDIC SURGERY.** Instruction is given at the Barnes Hospital and at the St. Louis Children's Hospital as described in course 4 (a). Special lectures on this subject are given in course 4 (c).

Dr. O'Reilly

7. *Operative Surgery on the Cadaver.* Two hours weekly during the third trimester of the fourth year. Instruction is given by the actual practice of surgical operations performed on the cadaver. 22 hours. Professor Tupper

8. *Advanced Operative Surgery.* Two-hour exercises are given once weekly during the first trimester of the fourth year. The students are instructed in the technique of special operations by performing these operations on animals under regulations of the surgical operating room, and are encouraged to work at some unsolved problem. 22 hours. Dr. Bartlett

9. *Surgical Pathology.* Members of the Surgical Group of the third and fourth year classes take charge of the specimens which are received at the Surgical Laboratory and under the supervision of the staff describe the gross material and make the microscopic diagnosis.

10. *Principles of Roentgenology.* A course of lectures one hour a week for one trimester of the fourth year on X-ray diagnosis. Lectures and demonstrations of plates. Dr. Moore

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

12. *Journal Club.* Approved students may attend the staff journal club, which meets weekly, at which current literature of interest is discussed.

Gynecology

Harry S. Crossen, M.D. . . . Professor of Clinical Gynecology
Frederick J. Taussig, M.D. . . Associate Professor of Clinical
Gynecology

Quitman U. Newell, M.D. . . Instructor in Clinical Gynecology
Reinhard E. Wobus, M.D. . . Instructor in Clinical
Gynecology

John R. Vaughan, M.D. . . . Assistant in Clinical Gynecology

Charles D. O'Keefe, M.D. . . . Assistant in Clinical Gynecology
Raymond M. Spivy, M.D. . . . Assistant in Clinical Gynecology
Treston R. Ayars, M.D. . . . Assistant in Clinical Gynecology
Isaac Y. Olch, M.D. Assistant in Surgery

1. GYNECOLOGY. The course is divided as follows:

(a) Clinical Lectures on Selected Gynecological Subjects.
One hour a week during the second trimester of the third year.
11 hours. Professor Crossen and Professor Taussig

(b) Gynecologic Examination (Dispensary) and Gynecologic Pathology (Laboratory). One subsection (one-sixth of the class) works in the Dispensary under supervision and receives instruction in history taking, examination and minor treatment of gynecologic patients. At the same time the other subsection (one-sixth of the class) works in the laboratory studying the pathology, both microscopic and gross, of specimens illustrating the various gynecological lesions. Two hours a week for eleven weeks (in sections of one-third of the class). 22 hours.

Dr. Newell (Dispensary) and Dr. Olch (Laboratory)

2. GYNECOLOGICAL WARD WORK. Sections composed of one-sixth of the class work in the gynecological division of the Barnes Hospital for a period of five and a half weeks. The members of these sections, under guidance of instructors, participate in the entire work. They take histories and make examinations (including those of the laboratory), make ward rounds, and attend the diagnostic and operative clinics. Six hours a week for five and a half weeks. 33 hours.

Professor Crossen, Professor Taussig, and Dr. Newell

Ophthalmology

William E. Shahan, M.D. . . Professor of Clinical Ophthalmology
Meyer Wiener, M.D. . . . Associate Professor of Clinical Ophthalmology
William F. Hardy, M.D. . . Associate in Clinical Ophthalmology

Frederick E. Woodruff, M.D.	Associate in Clinical Ophthalmology
Frederic O. Schwartz, M.D.	Instructor in Clinical Ophthalmology
M. Hayward Post, M.D. . .	Instructor in Clinical Ophthalmology
Lawrence Post, M.D. . . .	Instructor in Clinical Ophthalmology
Max W. Jacobs, M.D. . . .	Instructor in Clinical Ophthalmology
Bennett Y. Alvis, M.D. . .	Assistant in Clinical Ophthalmology
Amalie M. Napier, M.D. . .	Assistant in Clinical Ophthalmology
Julian Y. Malone, M.D. . .	Assistant in Clinical Ophthalmology

(a) OPTHALMOLOGY. Eleven lectures are given in the second trimester of the third year. 11 hours. Professor Wiener

(b) OPTHALMOLOGY. Practical instruction is given to small sections of the fourth year class twice weekly during one trimester. Under the supervision of instructors, the students take histories, make complete examinations, and carry out the routine treatment. 44 hours. Professor Shahan, Professor Wiener, Dr. Hardy, and Instructors

(c) OPTHALMOLOGICAL PATHOLOGY. A course in pathology of diseases of the eye, consisting of lectures, demonstrations, and recitations, is given during the first trimester of the fourth year. 11 hours. Dr. Hardy

Oto-Laryngology

Greenfield Sluder, M.D. . . .	Professor of Clinical Oto-Laryngology
Harry W. Lyman, M.D. . . .	Associate in Clinical Oto-Laryngology
Millard F. Arbuckle, M.D. . .	Associate in Clinical Oto-Laryngology

Arthur W. Proetz, M.D. . . .	Associate in Clinical Oto- Laryngology
William M. C. Bryan, M.D. .	Instructor in Clinical Oto- Laryngology
Isaac D. Kelley, M.D. . . .	Instructor in Clinical Oto- Laryngology
Eugene R. Van Meter, M.D. .	Assistant in Clinical Oto- Laryngology
William L. Hanson, M.D. . .	Assistant in Clinical Oto- Laryngology
Charles L. Davis, M.D. . . .	Assistant in Clinical Oto- Laryngology
George Hourn, M.D.	Assistant in Clinical Oto- Laryngology
Arthur M. Alden, M.D. . . .	Assistant in Clinical Oto- Laryngology

(a) LARYNGOLOGY AND RHINOLOGY. Eleven lectures are given during the second trimester of the third year. 11 hours.

Professor Sluder

(b) OTOTOLOGY. Eleven lectures are given during the third trimester of the third year. 11 hours.

Dr. Lyman

(c) OTO-LARYNGOLOGY. Small sections of the fourth year class receive practical instruction twice weekly in the Out Patient Clinic. 44 hours.

Professor Sluder and Staff

OBSTETRICS*

Otto H. Schwarz, M.D. . . .	Associate Professor of Obstetrics
Richard Paddock, M.D. . . .	Instructor in Obstetrics
William J. Dieckmann, M.D. .	Assistant in Obstetrics

Grandison D. Royston, M.D. . Associate in Clinical Obstetrics
Hugo Ehrenfest, M.D. . . . Associate in Clinical Obstetrics

*All the names before the break in the column are those of the full-time staff.

Frank P. McNalley, M.D. . . . Instructor in Clinical Obstetrics
Otto St. Clair Krebs, M.D. . . . Instructor in Clinical Obstetrics
Adolph G. Schlossstein, M.D. . . . Instructor in Clinical Obstetrics
E. Lee Dorsett, M.D. Instructor in Clinical Obstetrics

Third Year

1. OBSTETRICS.

(a) Recitations and Demonstrations. This course consists of recitations and demonstrations based upon assigned reading of a prescribed text-book during three trimesters, and deals with the physiology and pathology of pregnancy, labor, and the puerperium. 33 hours. Professor O. Schwarz

(b) Obstetrical Diagnosis and Obstetrical Histology and Pathology. Obstetrical history taking and the keeping of obstetrical records are taken up. The signs and symptoms of pregnancy are studied on house and dispensary patients; the mechanism of labor is discussed in detail and demonstrated.

The laboratory work consists of a review of the histology of the pelvic organs. Ovulation, menstruation, fertilization and development of the ovum are covered in this course. Specimens illustrating numerous obstetrical lesions are studied both grossly and microscopically in connection with their clinical histories. Four hours a week for eleven weeks (in sections of one-third of the class). 44 hours. Dr. McNalley, Dr. Dorsett, Dr. Krebs

Fourth Year

2. OBSTETRICS.

(a) Attendance on Obstetrical Cases. The obstetrical service furnishes more than 900 cases (about 450 hospital and about 450 out-clinic cases). The students attend these cases personally during delivery and visit them during the lying-in period. All work is done under the supervision of instructors. Attendance on these cases is required during the five and one-half weeks' period that the student is assigned to Obstetrics during his senior year. Twelve cases are required for each student. Students are urged to volunteer for obstetrical out-patient duty during the summer vacation between the junior and senior years, as the

required number of cases cannot be obtained during the assigned five and one-half weeks' period.

Professor O. Schwarz, Dr. Royston, Dr. McNalley,
Dr. Paddock

(b) Clinical Lectures on Selected Obstetrical Topics. One hour a week during the second trimester. 11 hours.

Professor H. Schwarz, Professor O. Schwarz, Dr. Royston,
Dr. Ehrenfest, Dr. Dorsett

(c) Obstetrical Ward Work. Sections composed of one-sixth of the class act as clinical clerks in the obstetrical division of the Barnes Hospital for a period of five and one-half weeks. The members of these sections, under the guidance of instructors, participate in the entire work of the division; they take histories and make examinations (including those of the laboratory); make ward rounds; assist at major obstetrical operations; attend clinical conferences and manikin practice. Twelve hours a week for five and one-half weeks. 66 hours.

Professor O. Schwarz, Dr. Royston, Dr. Schlossstein,
Dr. Dorsett, Dr. Paddock

THE EDWARD MALLINCKRODT DEPARTMENT OF PEDIATRICS*

McKim Marriott, M.D. . . . Professor of Pediatrics
Philip C. Jeans, M.D. . . . Associate Professor of Pediatrics
Jean V. Cooke, M.D. . . . Associate Professor of Pediatrics
Samuel W. Clausen, M.D. . . Associate in Pediatrics
Alexis F. Hartmann, M.D. . . Instructor in Pediatrics
Kenneth H. Tallerman, M.D. . Fellow in Pediatrics

George M. Tuttle, M.D. . . . Professor of Clinical Pediatrics
Borden S. Veeder, M.D. . . . Professor of Clinical Pediatrics
Theodore C. Hempelmann, M.D. Associate in Clinical Pediatrics
Hugh McCulloch, M.D. . . . Associate in Clinical Pediatrics
Adrien Bleyer, M.D. . . . Instructor in Clinical Pediatrics

* All the names before the break in the column are those of the full-time staff.

Wayne A. Rupe, M.D. . . . Instructor in Clinical Pediatrics
Maurice J. Lonsway, M.D. . . Assistant in Clinical Pediatrics
Park J. White, M.D. . . . Assistant in Clinical Pediatrics
Samuel E. Pesetke, M.D. . . . Assistant in Clinical Pediatrics

Second and Third Years

1. PEDIATRICS. Physical diagnosis as applied to infants and children. Bedside instruction to small groups of students in the wards of the St. Louis Children's Hospital. Two hours a week for one trimester. 22 hours. Dr. McCulloch, Dr. Hartmann

2. PEDIATRICS. A systematic course in General Pediatrics. Recitations, lectures, clinical demonstrations, and discussions of case histories. The subjects considered include the growth and development of the normal child; hygiene and preventive medicine as applied to children; nutrition and feeding, especially of infants; the more important diseases of infants and children; the contagious diseases. Two hours a week for three trimesters. 66 hours. Professor Marriott, Dr. Clausen

Third and Fourth Years

3. PEDIATRICS. The course is composed of the following subdivisions:

(a) Pediatric Ward Work. Examination of assigned cases and discussion of diagnosis and treatment. Individual instruction in preparation of milk formulæ, examination of throat cultures, and such procedures as lumbar puncture, intubation, administration of antitoxin, vaccination, etc. Daily for five and one-half weeks. 33 hours. Professor Marriott, Professor Veeder, Professor Jeans, Professor Cooke, Dr. Clausen

(b) Pediatric Dispensary. Practical work in history taking, physical and laboratory diagnosis, and infant feeding. Two afternoons a week for one trimester. 44 hours.

Professor Jeans, and Assistants

Fourth Year

4. **PEDIATRIC CLINIC.** A weekly amphitheater clinic is held throughout the school year. Demonstration of selected cases from the Hospital and from the Dispensary. 33 hours.

Professor Marriott, Professor Tuttle, Professor Veeder,
Professor Jeans, Dr. Clausen, Dr. McCulloch

5. **CLINICAL AND PATHOLOGICAL CONFERENCES.** This course is given jointly by the Clinical Departments and the Department of Pathology. Each student is supplied with the clinical histories of the cases coming to autopsy. The pathological material is demonstrated and the cases discussed from the clinical and pathological sides. Approximately one-third of the course is devoted to pediatric cases. (See Pathology 4.)

6. *Pediatrics.* Elective course. This course is offered during the last trimester of the fourth year. Students are required to make an intensive study of certain disease conditions from the clinical and laboratory standpoints and to report on assigned literature. 150 hours.

7. *Research.* Properly qualified students may engage in clinical or laboratory research under the direction of the Pediatric Staff. Fourth-year students may elect to do research in place of Course 6.

8. *Pediatric Journal Club.* Meets bi-weekly. Reports on current literature by members of the staff. Open to fourth-year students.

MISCELLANEOUS COURSES

Coördinating Course

First and Second Years

COORDINATING COURSE. The course is designed to show the importance of the fundamental sciences in the interpretation and study of clinical conditions. Lectures and clinical demonstrations once a week throughout the first and second years. 66 hours.

Members of the Clinical Staff

Preventive Medicine

Third Year

1. **PREVENTIVE MEDICINE AND HYGIENE.** Lectures upon the transmission and prevention of infectious diseases (including the important tropical diseases), infant mortality, occupational diseases, and some other subjects bearing upon the maintenance of health, will be given twice a week during the first trimester and once a week during the second. 33 hours. Dr. Bleyer

Medical Jurisprudence

Milton R. Stahl, LL.B. . . Instructor in Medical Jurisprudence

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.

Medical History

MEDICAL HISTORY. Eight lectures descriptive of medical history from primitive times down to the twentieth century. Second trimester, fourth year. 8 hours. Professor Seelig

Medical Ethics and Professional Conduct

MEDICAL ETHICS AND PROFESSIONAL CONDUCT. An elective course consisting of informal discussions during the third trimester of the fourth year. 8 hours.

Military Science and Tactics

Robert W. Kerr, M.D., Major,

M.C., U. S. A. Assistant Professor of Military
Science and Tactics

Under the authority of the Army Reorganization Act of June 4, 1920, there has been established in Washington University School of Medicine a Medical Corps Unit of the Reserve Officers' Training Corps. Instruction is given by a medical of-

ficer of the Regular Army detailed to the School as Assistant Professor of Military Science and Tactics. The course is given in order to instruct medical students in the outlines of military medicine as a preparedness measure.

Enrollment in the course in Military Science and Tactics is voluntary.

Military Science and Tactics is divided into a basic course and an advanced course. The basic course is given in the first two years and the advanced course in the last two years. A student who enrolls in the basic course need not continue in the advanced course unless he so elects. Enrollment in the advanced course depends upon having completed satisfactorily the basic course and having demonstrated fitness and ability to take up the advanced work. In case a student who is enrolled in either the basic or advanced course severs his connection with the School, he automatically terminates his obligation to the Government insofar as this school is concerned. Students who are enrolled in the advanced course will receive commutation of subsistence at the rate of the value of an army ration for the last two years that they are members of the Medical Corps Unit. It is required by the law, as set forth in the above-mentioned act, that all students must attend one summer encampment in order to have completed the advanced course in Military Science and Tactics. Students attending this encampment are paid at the rate of \$21 per month, and in addition receive traveling allowance of five cents per mile, quarters, rations, medical attendance, and medical supplies while attending the camp.

Upon graduation and completion of the advanced course, the student becomes eligible for a commission in the Medical Officers' Reserve Corps.

First and Second Years

1. **BASIC COURSE.** This course consists of lectures and recitations devoted to medico-military instruction and particularly to teaching the organization and functions of the Army in peace and war, the relations of the Medical Department therein, and the basic principles of the following subjects: hygiene, customs of the service, equipment of the sanitary soldier, elements of

sketching and map reading, posts of the Medical Department in open and stable warfare, and toxic gases in warfare.

Third and Fourth Years

2. **ADVANCED COURSE.** There is further development of the subjects given in the basic course by lectures and recitations upon the manual and pamphlets of the Medical Department of the U. S. Army. These deal with organization and equipment of the sanitary units attached to a regiment, brigade, division, corps, and army. The instruction also includes casualty expectancy tables, the supply system of the army, hospitalization, military psychiatry and malingering, army regulations, field sanitary regulations, rules of land warfare, abstracts of the Manual for Courts Martial, and organized voluntary aid in war.

3. **MILITARY INSTRUCTION AT SUMMER ENCAMPMENTS.** The camp to be established for the training of Medical Corps R. O. T. C. Units will be maintained at Carlisle, Pennsylvania, where the Medical Department has established a Field Training School. Attendance of all students taking the advanced course is compulsory for at least one encampment, either at the end of the second year or the end of the third year, or as may be modified by army regulations. Upon arrival at the camp, students are issued the necessary uniforms and equipment by the Government. The instruction is practical, including military and sanitary tactics and an opportunity to demonstrate in the open the theoretical knowledge acquired in the military courses at the School of Medicine. As far as possible, actual field service conditions will be simulated. The students will be required to live under tentage. Physical training, including athletic competition, will be given special attention.

TRAINING SCHOOL FOR NURSES

Claribel A. Wheeler, R. N. . Director of the School and Superintendent of Nurses

The Washington University Training School is under the management and direction of the University through the Executive Faculty of the School of Medicine. This co-ordination makes possible unusual opportunities for the adequate education of nurses.

During the preparatory course of six months, instruction is given in the laboratories and by the departmental staffs of the School of Medicine in anatomy, chemistry, physiology, and bacteriology; and class-room instruction and practice in all the fundamental nursing procedures, hygiene, history of nursing, drugs and solutions, ethics, nutrition and cookery, are given by the nursing staff.

Following this preliminary course the pupils are given instruction in the wards of Barnes and St. Louis Children's Hospitals and the Washington University Dispensary. In addition to medical and surgical work, opportunities are given for experience in diet kitchen, operating room, obstetrical and contagious wards.

During the last year students may elect special work in the Social Service Department and Public Health Nursing. Visiting nursing, baby welfare and tuberculosis work are phases of Public Health Nursing to which pupils are introduced. A few well qualified senior students may be placed in charge of wards for executive experience.

Throughout the three years' course, in addition to the practical instruction in the wards, series of lectures are given by the Hospital staffs and technical instruction by the staff of the Training School. Included in the curriculum is a required course in English, which is given by the Department of English of the University.

Credit is given to students holding degrees from recognized colleges or universities. One scholarship each year is available

for some member of the Senior class who may wish to take graduate work.

The separate catalogue of the Training School may be obtained upon application to the office of the Director of the School, 600 South Kingshighway.

DEPARTMENT OF SOCIAL SERVICE

Edith M. Baker Director

The Department of Social Service functions in the Washington University Dispensary, St. Louis Children's Hospital, Barnes Hospital, and the Jewish Hospital. The staff consists of a Director, Associate Director and seventeen case workers who are assigned to the various medical and surgical services. Through ward rounds and clinic work the medical students may learn the personal, environmental and economic situation of the patient; for the interpretation of social factors is a part of the hospital's service to the patients.

A course of lectures is given to the nurses attending the Washington University Training School for Nurses. Two months' practical experience in the Social Service Department is offered as an elective course.

GENERAL SCHEDULES

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
Schedule of First Year. September 25-December 13, inclusive

1924-25

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">Histology</div> <div style="text-align: center;">Laboratory</div> </div> <div style="text-align: center; margin-top: 20px;">Anatomy 3</div>					
10 to 11						
11 to 12						
12 to 1	Military Science and Tactics 1				Coördinating Course	
2 to 3	Dissection Anatomy 6					
3 to 4			Dissection Anatomy 6		Dissection Anatomy 6	
4 to 5						

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
Schedule of First Year. December 15-January 31, inclusive

1924-25

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Neurology Laboratory Anatomy 5					
10 to 11						
11 to 12						
12 to 1	Military Science and Tactics 1				Coördinating Course	
2 to 3	Dissection Anatomy 6		Dissection Anatomy 6		Dissection Anatomy 6	
3 to 4						
4 to 5						

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
Schedule of First Year. February 2-May 29, inclusive

1924-25

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Biological Chemistry Laboratory Chemistry 3	Biological Chemistry Lecture Chemistry 3	Biological Chemistry Lecture Chemistry 3	Biological Chemistry Lecture Chemistry 3	Biological Chemistry Lecture Chemistry 3	Biological Chemistry Lecture Chemistry 3
10 to 11		Biological Chemistry Laboratory Chemistry 3	Biological Chemistry Laboratory	Biological Chemistry Laboratory	Military Science and Tactics 1	Physiology Lecture Physiology 2
11 to 12					Physiology Lecture Physiology 2	
12 to 1		Physiology Lecture Physiology 2			Chemistry 3		Chemistry 3	Coördinating Course
2 to 3	Dissection Anatomy 6		Dissection Anatomy 6		Dissection Anatomy 6	
3 to 4						
4 to 5						

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Second Year. First Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Bacteriology Laboratory Pathology 1	Military Science and Tactics 1	Bacteriology Laboratory Pathology 1	Physiology Conference Physiology 3	Bacteriology Laboratory Pathology 1	Physiology Lecture Physiology 2
10 to 11		Coördinating Course		Physiology Laboratory Physiology 3		
11 to 12		Bacteriology Lecture Pathology 1				
12 to 1	Physiology Lecture Physiology 2	Physiology Lecture Physiology 2	Physiology Laboratory Physiology 3	Physiology Lecture Physiology 2		
2 to 3		Physiology Laboratory Physiology 3	Physiology Laboratory Physiology 3	Physiology Laboratory Physiology 3		
3 to 4						
4 to 5						

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Second Year. Second Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pathology Laboratory Pathology 2a	Infection and Immunity Lecture and Laboratory Pathology 3	Pathology Laboratory Pathology 2a	Pharmacology Lecture Pharmacology 1a	Pathology Laboratory Pathology 2	Pharmacology Lecture Pharmacology 1a
10 to 11				Pharmacology Laboratory Pharmacology 1b		Gross Pathology
11 to 12		Coördinating Course				
12 to 1			Pharmacology Lecture Pharmacology 1a	Pharmacology Lecture Pharmacology 1a		
2 to 3	Pathology Lecture Pathology 2b	Pharmacology Laboratory Pharmacology 1b			Pharmacology Lecture Pharmacology 1a	
3 to 4	Pharmacology Lecture Pharmacology 1a				Infection and Immunity Lecture Pathology 3	
4 to 5	Military Science and Tactics 1					

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Second Year. Third Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pathology Laboratory Pathology 2a	Military Science and Tactics 1	Pathology Laboratory Pathology 2a	Pathology Lecture Pathology 2b	Pathology Laboratory Pathology 2a	Pathology Lecture Pathology 2b
10 to 11		Physical Diagnosis Medicine 1		Physical Diagnosis Medicine 1		Gross Pathology Pathology 2d
11 to 12		Introductory Clinic Medicine 2		Introductory Clinic Medicine 2		Coördinating Course
12 to 1		Applied Anatomy Anatomy 9		Applied Anatomy Anatomy 9		Medicine Recitation Medicine 2
2 to 3		Introduction to Surgery Surgery 1		Medicine Recitation Medicine 2	Introduction to Surgery Surgery 1	
3 to 4				Medicine Recitation Medicine 2		
4 to 5				Surgery Clinic Surgery 1		

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Third Year. First Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pediatrics Clinical Conference Pediatrics 2	Group B	Group A Physical Diagnosis, Medicine 4 City Hospital 9-11	Group C	Obstetrics Recitation Obstetrics 1a	Pediatrics Clinical Conference Pediatrics 2
10 to 11	Group A Obstetrics 1b	Group A $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group B Medicine 6b	Group A $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group A Obstetrics 1b	Neurology Lecture and Neuro-Pathology Neurology 1a and 1b
11 to 12	Group B Medicine 6b	Group C Surgery 2a	Group C Surgery 2a	Group B Medicine 6b	Group B Medicine 6b	
	Group C Surgery 2a				Group C Surgery 2a	
12 to 1	Surgery Recitation Surgery 2b	Surgery Clinic Surgery 2e	Medicine Recitation Medicine 6a	Surgery Conference Surgery 2f	Medicine Recitation Medicine 6a	
2 to 3	Surgical Pathology	Clinical Microscopy Medicine 5	Preventive Medicine			
3 to 4	Surgery 3		Military Science and Tactics 2		Clinical Microscopy Medicine 5	
4 to 5	Clinical Patho- logical Conference Pathology 4					

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Third Year. Second Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pediatrics Clinical Conference Pediatrics 2	Group C	Group B Physical Diagnosis, Medicine 4 City Hospital 9-11	Group A	Obstetrics Recitation Obstetrics 1a	Neurology Lecture Neurology 1a
10 to 11	Group A Surgery 2a Group B Obstetrics 1b	Group A Surgery 2a	Group A Surgery 2a	Group B $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group A Surgery 2a Group B Obstetrics 1b	Pediatrics Clinical Conference Pediatrics 2
11 to 12	Group C Medicine 6b	Group B $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group C Medicine 6b	Group C Medicine 6b	Group C Medicine 6b	Therapeutics Medicine 7
12 to 1	Medicine Recitation Medicine 6a	Surgery Clinic Surgery 2e	Gynecology Lecture Gynecology 1a	Surgery Conference Surgery 2f	Medicine Recitation Medicine 6a	Surgery Recitation Surgery 2b
2 to 3	Surgical Pathology	Clinical Microscopy Medicine 5	Preventive Medicine			
3 to 4	Surgery 3		Therapeutics Medicine 7			
4 to 5	Clinical Patho- logical Conference Pathology 4		Military Science and Tactics 2			

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Third Year. Third Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pediatrics Clinical Conference Pediatrics 2	Group A Physical Diagnosis, Medicine 4 City Hospital 9-11	Group C	Group B	Obstetrics Recitation Obstetrics 1a	Pediatrics Clinical Conference Pediatrics 2
10 to 11	Group A Medicine 6b Group B Surgery 2a	Group B Surgery 2a Group C $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group A Medicine 6b Group B Surgery 2a	Group A Medicine 6b Group C Surgery 2a $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group A Medicine 6b Group B Surgery 2a Group C Obstetrics 1b	Genito-Urinary Surgery Lecture Surgery 2g Recitation Medicine Medicine 6a
11 to 12	Group C Obstetrics 1b					
12 to 1	Fractures Surgery 2c	Surgery Clinic Surgery 2e	Dietetics Medicine 8	Surgery Conference Surgery 2f	Military Science and Tactics 2	
2 to 3	Surgical Pathology	Dermatology Lecture Dermatology a	Preventive Medicine		Operative Surgery	
3 to 4	Surgery 3	Laryngology Lecture Oto-Laryngology a	Medical Jurisprudence		Surgery 2d 2 Sections $\frac{1}{2}$ trimester each	
4 to 5	Clinical Pathological Conference Pathology 4	Otology Lecture Oto-Laryngology b	Ophthalmology Lecture Ophthalmology a			

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Third Trimester of Third Year and First and Second Trimesters of Fourth Year. Group A., Third Trimester; Group B., First Trimester; Group C., Second Trimester.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 12	<p>Medicine 10. Ward Work, Barnes Hospital.</p> <p>Neurology 8. Neurological Ward and Out Patient Work.</p>					
12 to 1	Neurology Clinic Neurology 8	Surgery Clinic Surgery 4	Pediatric Clinic Pediatrics 4	Medicine Clinic Medicine 10	Obstetrics 2b Lecture II Trimester Mil. Sci. and Tac. 2 I & III Trimesters	Medicine Clinic Medicine 10
2 to 3	Dermatology O. P. D.	Dermatology O. P. D.	Ophth. Path. I Trimester		Dermatology O. P. D.	
3 to 4			Psychiatry Neurology 4 II Trimester 2-5 p. m. Medical Jurisprudence III Trimester 3-4 p. m.			
4 to 5	Clinical Patho- logical Conference Pathology 4				Military Science and Tactics 2 II Trimester	

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Third Trimester of Third Year and First and Second Trimesters of Fourth Year. Group B., Third Trimester; Group C., First Trimester; Group A., Second Trimester.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 12	<p>Surgery 4. Ward Work, Barnes or St. Louis Children's Hospital.</p> <p>Surgery 6. Orthopedic Surgery, Barnes or St. Louis Children's Hospital.</p>					
12 to 1	Neurology Clinic Neurology 8	Surgery Clinic Surgery 4	Pediatric Clinic Pediatrics 4	Medicine Clinic Medicine 10	Obstetrics 2b Lecture II Trimester Mil. Sci. and Tac. 2 I & III Trimesters	Medicine Clinic Medicine 10
2 to 3		Oto- Laryngology O. P. D.	Ophth. Path. I Trimester	Oto- Laryngology O. P. D.		
3 to 4			Psychiatry Neurology 4 II Trimester 2-5 p. m.			
4 to 5	Clinical Patho- logical Conference Pathology 4		Medical Jurisprudence III Trimester 3-4 p. m.		Military Science and Tactics 2 II Trimester	

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1924-25

Schedule of Third Trimester of Third Year and First and Second Trimesters of Fourth Year. Group C., Third Trimester; Group A., First Trimester; Group B., Second Trimester.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Section 1. Obstetrics 2c. Ward Work, Barnes Hospital: 9-12 M., T., F., and S. Gynecology 2. Ward Work, Barnes Hospital: 9-12, W. and Th. Section 2. Pediatrics 3. Ward Work, St. Louis Children's Hospital: 9-10. Sections change at the middle of the trimester. Genito-Urinary Surgery is taken by Section 2.					
10 to 11	Genito-Urinary O. P. D. Surgery 5		Genito-Urinary O. P. D. Surgery 5			Genito-Urinary O. P. D. Surgery 5
11 to 12						
12 to 1	Neurology Clinic Neurology 3	Surgery Clinic Surgery 4	Pediatric Clinic Pediatrics 4	Medicine Clinic Medicine 10	Obstetrics 2b Lecture II Trimester Mil. Sci. and Tac. 2 I & III Trimesters	Medicine Clinic Medicine 10
2 to 3	Ophthalmology O. P. D.	Pediatric Clinic Pediatrics 3 Section 2	Ophth. Path. I Trimester	Ophthalmology O. P. D.	Pediatric Clinic Pediatrics 3 Section 2	
3 to 4			Psychiatry Neurology 4 II Trimester 2-5 p. m.			
4 to 5	Clinical Patho- logical Conference Pathology 4		Medical Jurisprudence III Trimester 3-4 p. m.		Military Science and Tactics 2 II Trimester	

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
Schedule of Fourth Year. Third Trimester

1924-25

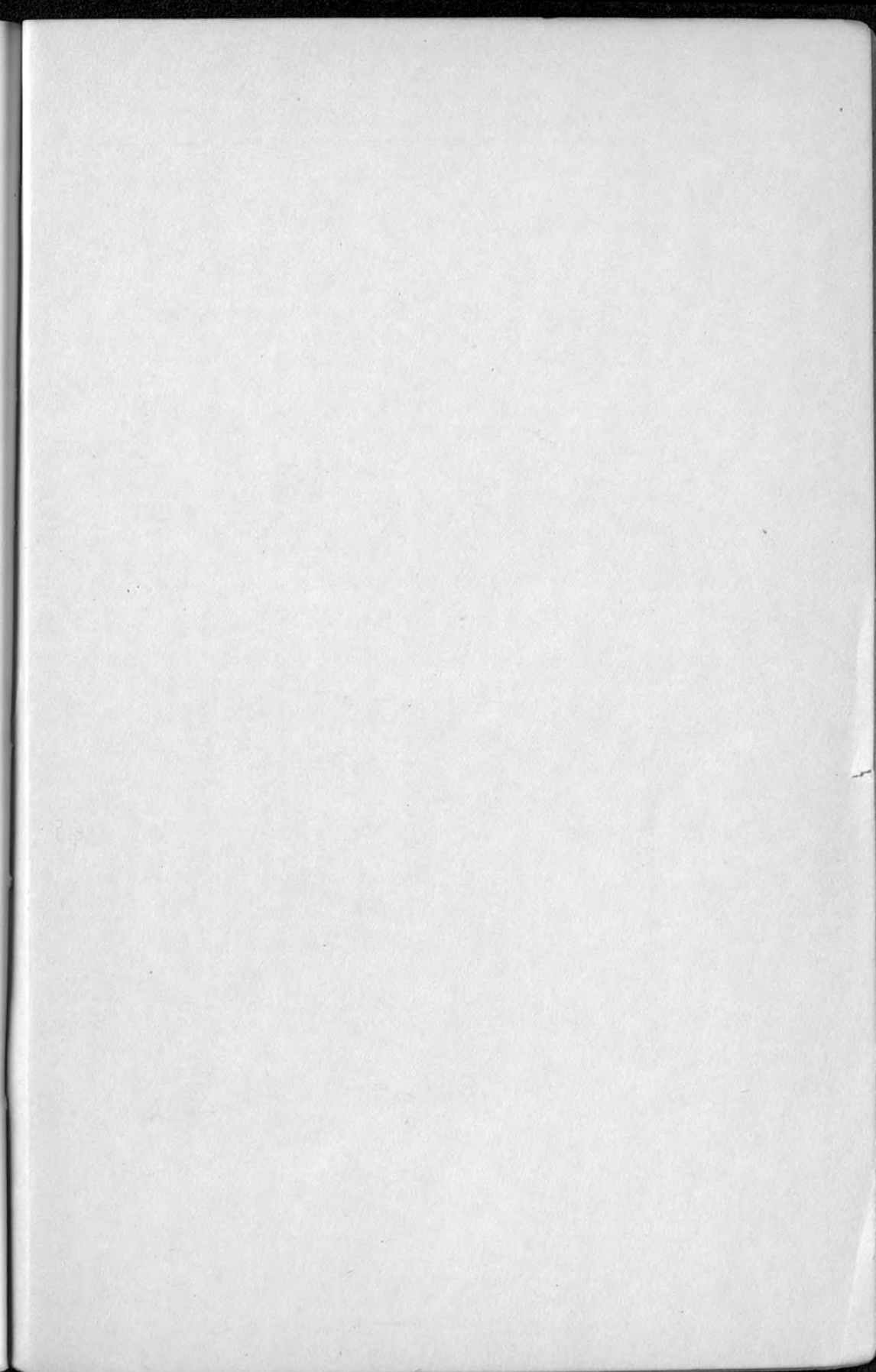
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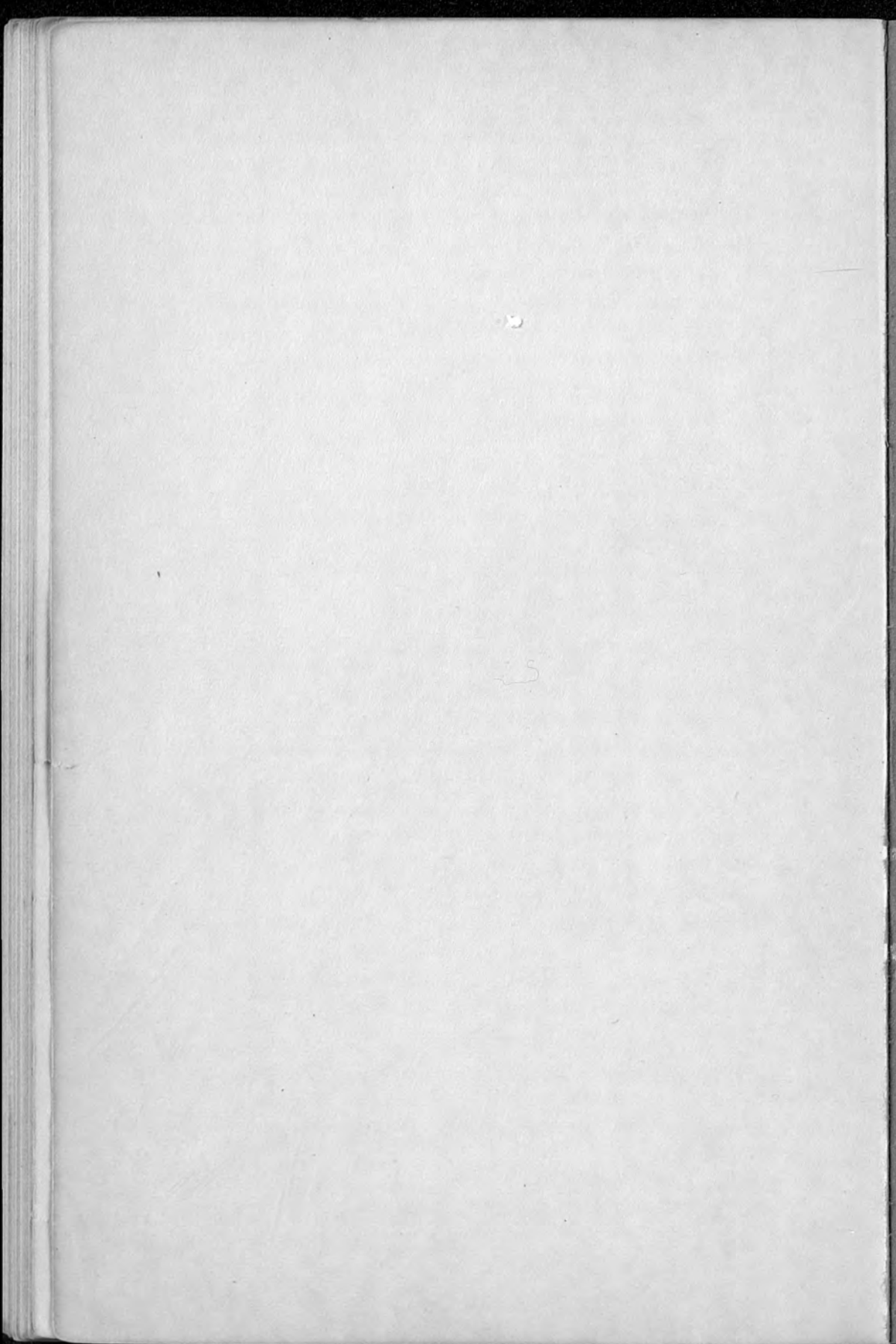
BULLETIN OF WASHINGTON UNIVERSITY.

Students who complete the course in accordance with the regular schedule will have the third trimester of the fourth year available for elective work; during this trimester credit must be gained for a minimum of 300 hours of elective work, 150 of which must be done in some one department.

Students who enter the School after the completion of their second year without credit for the clinical work given in this School in the third trimester of the second year will complete the required work of the fourth year during the mornings of this trimester. The afternoons of the third trimester of the fourth year will be available for elective work; during this trimester credit must be gained for a minimum of 75 hours of elective work, which may be taken in not more than two subjects.

Choice of elective courses is subject to the approval of the head of the department in which the work is to be done.





Washington University

Herbert Spencer Hadley, A.B., LL.B., LL.D., Bridge Chancellor

- I. The College of Liberal Arts (Skinker road and Lindell boulevard)
George O. James, Ph.D., Dean
- II. The School of Engineering (Skinker road and Lindell boulevard)
Walter E. McCourt, A.M., Dean
- III. The School of Architecture (Skinker road and Lindell boulevard)
Walter E. McCourt, A.M., Dean
- IV. The School of Commerce and Finance
(Skinker road and Lindell boulevard)
Leverett S. Lyon, LL.B., Ph.D., Dean
- V. The Henry Shaw School of Botany (Shenandoah and Tower Grove avenues)
George T. Moore, Ph.D., Engelmann Professor of Botany
- VI. The School of Graduate Studies (Skinker road and Lindell boulevard)
Otto Heller, Ph.D., Chairman of the Board of Graduate Studies
- VII. The Graduate School of Economics and Government
(Skinker road and Lindell boulevard)
- VIII. The School of Law (Skinker road and Lindell boulevard)
Richard L. Goode, A.M., LL.D., Dean
- IX. The School of Medicine (Kingshighway and Euclid avenue)
W. McKim Marriott, M.D., Dean
- X. The School of Dentistry (Twenty-ninth and Locust streets)
Walter Manny Bartlett, D.D.S., Dean
- XI. The School of Fine Arts (Skinker road and Lindell boulevard)
Edmund H. Wuerpel, Director
- XII. Division of University Extension (Skinker road and Lindell boulevard)
Frederick W. Shipley, Ph.D., Director
- XIII. The Summer School (Skinker road and Lindell boulevard)
Frederick W. Shipley, Ph.D., Director

The following schools are also conducted under the charter of the University:

Mary Institute—A Preparatory School for Girls (Waterman and Lake avenues)
Edmund H. Sears, A.M., Principal

The Training School for Nurses (500 S. Kingshighway)
Claribel A. Wheeler, R.N., Superintendent

