

M. Trotter.

BULLETIN  
*of*  
WASHINGTON UNIVERSITY  
SAINT LOUIS



FORTY-SIXTH ANNUAL  
CATALOGUE  
*of the*  
SCHOOL OF MEDICINE

APRIL 10, 1935

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PUBLICATIONS OF WASHINGTON UNIVERSITY  
SERIES II                      VOLUME XXXIII                      NUMBER XI

# Washington University

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

---

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  - II. The School of Engineering (Skinker Road and Lindell Boulevard)  
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  - III. The School of Architecture (Skinker Road and Lindell Boulevard)  
Alexander S. Langsdorf, M.M.E., Dean
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  - XIII. The Summer School (Skinker Road and Lindell Boulevard)  
Isidor Loeb, LL.B., Ph.D., LL.D., Director
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Mary Institute—A Preparatory School for Girls  
(Ladue and Warson Roads, Clayton)

Charles H. Garrison, A.B., Principal

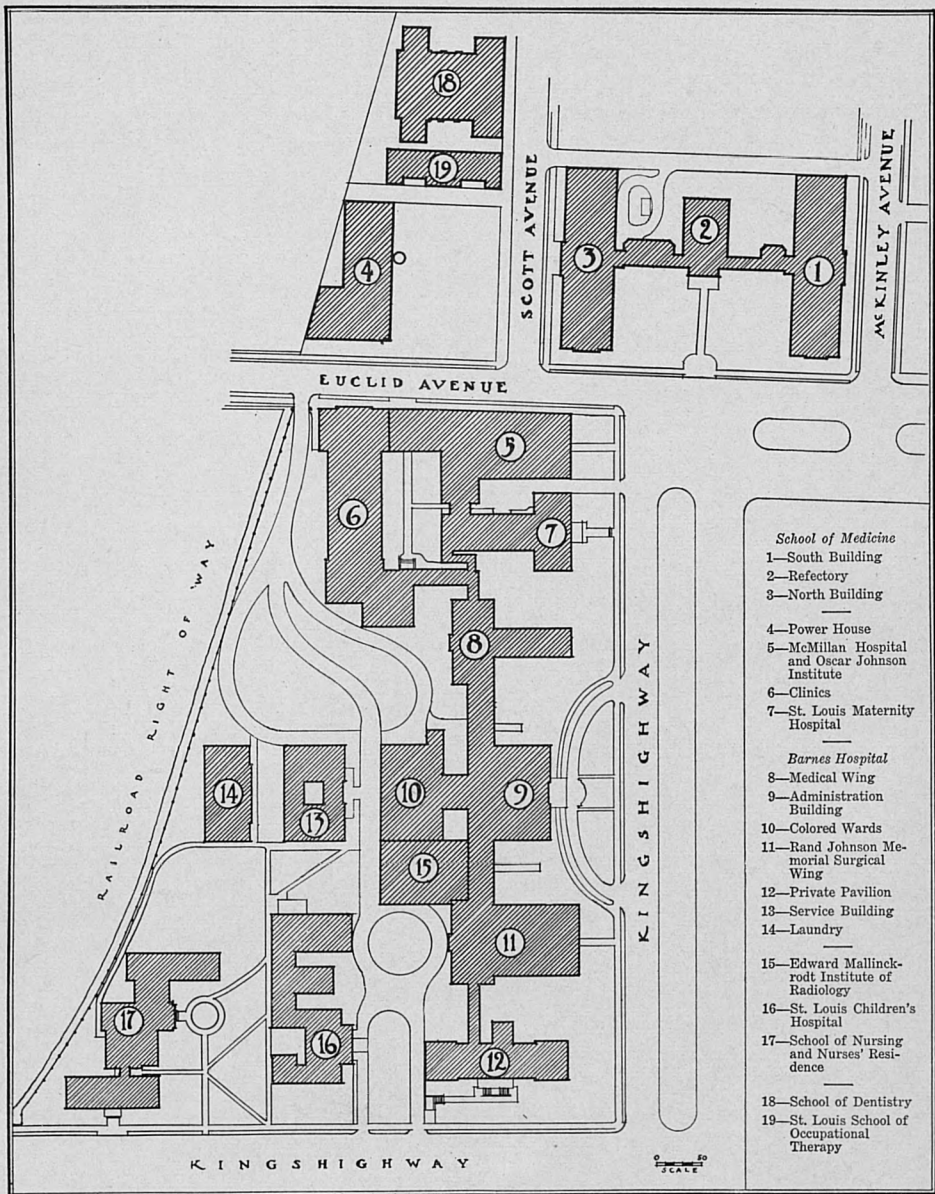






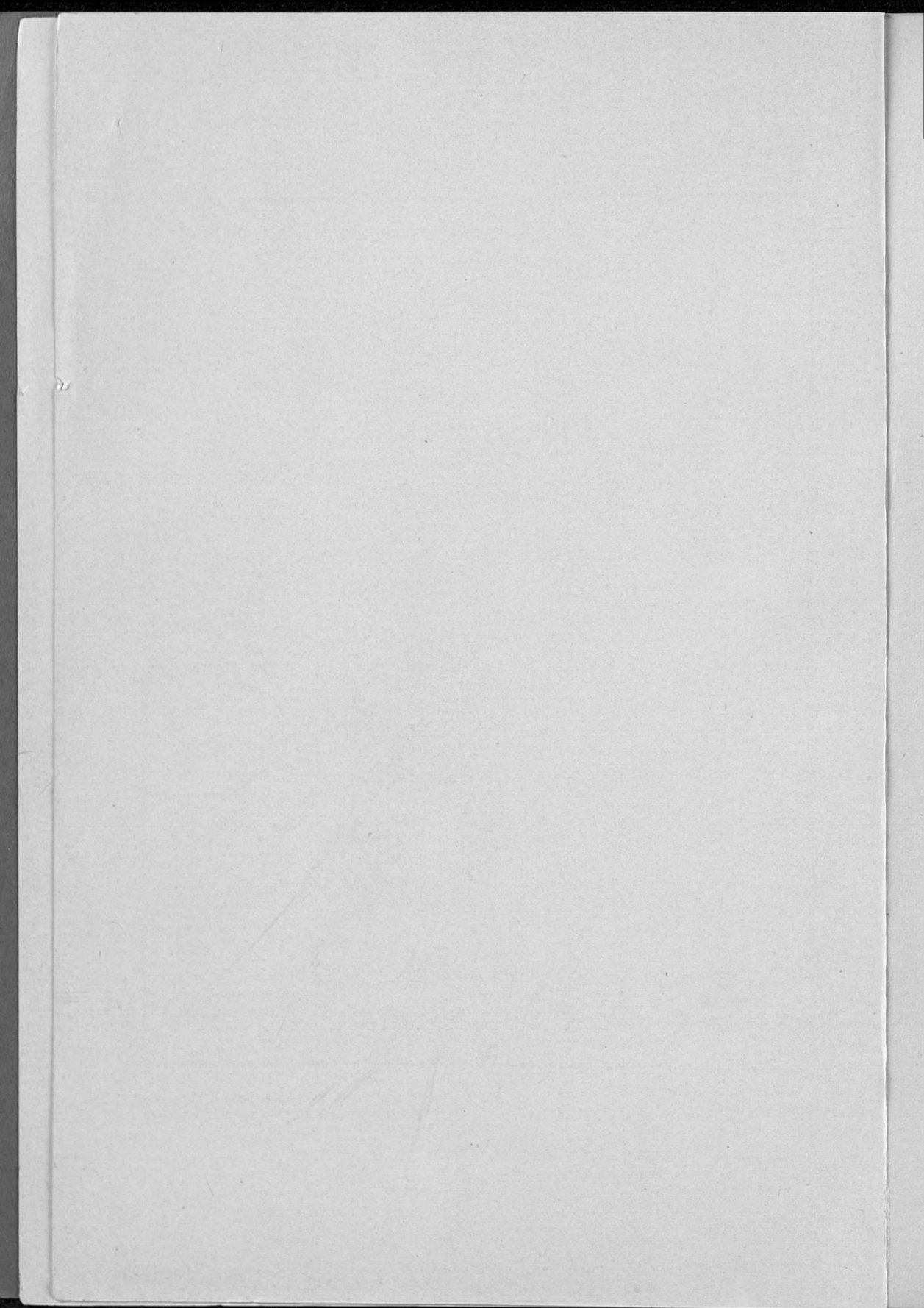
WASHINGTON UNIVERSITY MEDICAL GROUP

*"Papin Aerial Surveys", St. Louis*



Block Plan of Washington University Medical Group and School of Dentistry





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# CALENDAR

1935

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
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6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31	..	..	24	25	26	27	28	..	..	24	25	26	27	28	29	30	28	29	30	..	..	..	..
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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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5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	11	12	13	14	15	16	17	18
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
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1936

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	
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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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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	..	..	..	1	2	3	..	1	2	3	4	5	6	7	..	..	..	1	2	3	4	5
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	6	7	8	9	10	11	12
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20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	20	21	22	23	24	25	26
27	28	29	30	..	..	..	25	26	27	28	29	30	31	29	30	..	..	..	..	..	27	28	29	30	31	..	..	
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## CALENDAR

### 1934-35

Registration for Second Half-Year, Monday, February 4, and Tuesday, February 5, 1935.

Holiday, Washington's Birthday, Friday, February 22, 1935.

Second Trimester ends Saturday, March 16, 1935.

Third Trimester begins Monday, March 18, 1935.

Holiday, Good Friday, April 19, and Saturday, April 20, 1935.

Holiday, Decoration Day, Thursday, May 30, 1935.

Third Trimester ends Saturday, June 1, 1935.

Final Examinations begin Monday, June 3, 1935.

Commencement, Tuesday, June 11, 1935.

### 1935-36

Registration, Tuesday, September 24, and Wednesday, September 25, 1935.

Examinations for Advanced Standing and Removal of Conditions, Monday, September 23, to Wednesday, September 25, 1935, inclusive.

Academic Year (First Trimester) begins Thursday, September 26, 1935.

Holiday, Thanksgiving Day, Thursday, November 28, 1935.

First Trimester ends Saturday, December 14, 1935.

Second Trimester begins Monday, December 16, 1935.

Christmas Recess, Monday, December 23, 1935, to Saturday, January 4, 1936, inclusive.

Registration for Second Half-Year, Monday, February 3, and Tuesday, February 4, 1936.

Holiday, Washington's Birthday, Saturday, February 22, 1936.

Second Trimester ends Saturday, March 14, 1936.

Third Trimester begins Monday, March 16, 1936.

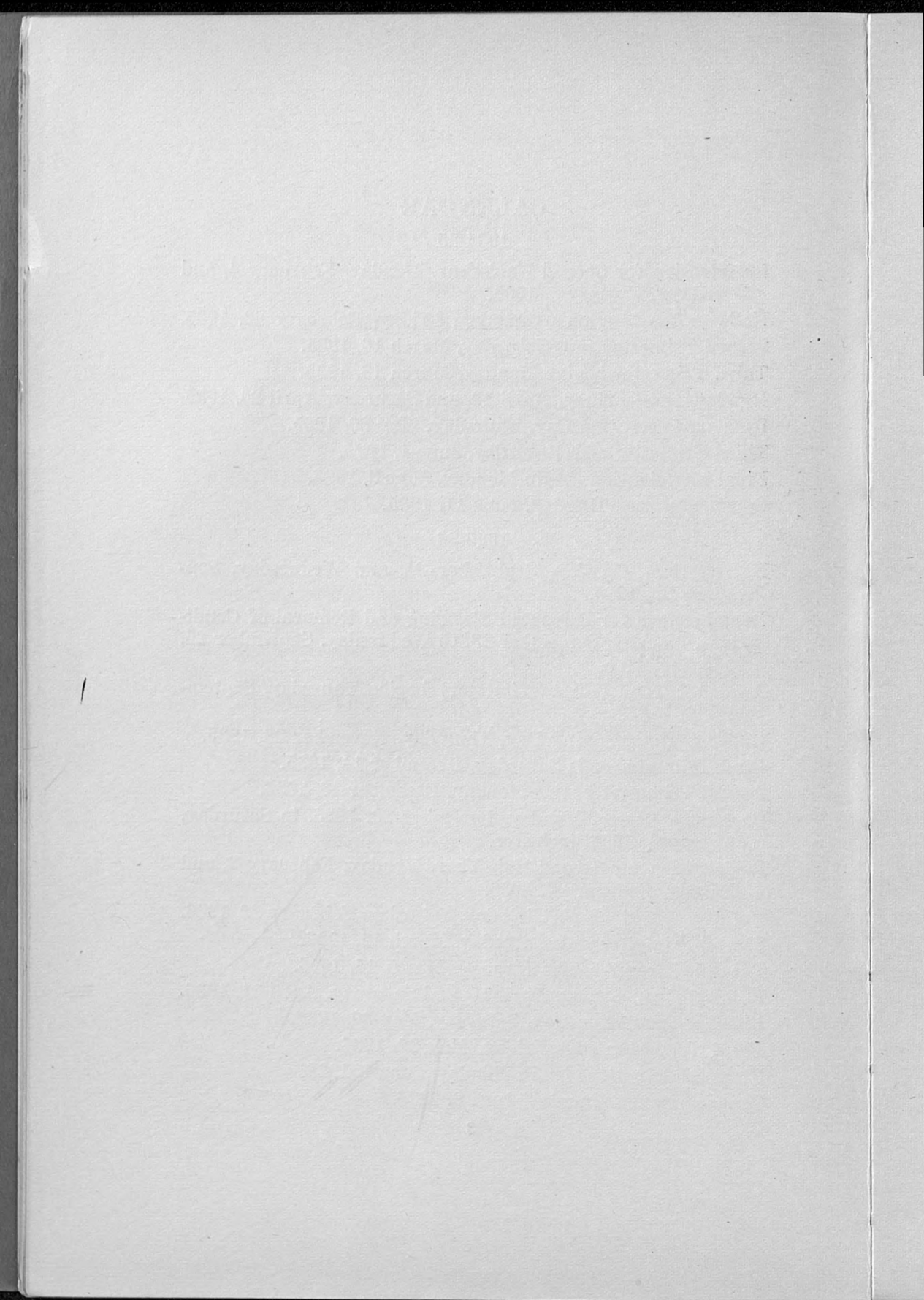
Holiday, Good Friday, April 10, and Saturday, April 11, 1936.

Holiday, Decoration Day, Saturday, May 30, 1936.

Third Trimester ends Friday, May 29, 1936.

Final Examinations begin Monday, June 1, 1936.

Commencement, Tuesday, June 9, 1936.



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FRANCIS RHODES FRY, A.B., A.M., M.D., *Professor Emeritus of Neurology*

---

<sup>1</sup> Arranged in groups in order of appointment.

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<sup>1</sup> On leave of absence, October 1, 1934 to October 1, 1935.

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---

<sup>1</sup> Died, November 3, 1934.



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- ADRIEN BLEYER, M.D., *Instructor in Clinical Pediatrics and Lecturer in Public Health*
- LOUIS HENRY HEMPELMANN, M.D., *Instructor in Clinical Medicine*
- WALTER FISCHER, A.B., M.D., *Instructor in Clinical Medicine*
- WARREN ROBERT RAINEY, M.D., *Instructor in Clinical Surgery*
- ADOLPH HENRY CONRAD, M.D., *Instructor in Clinical Dermatology*
- FRANK DE VORE GORHAM, A.B., M.D., *Instructor in Clinical Medicine*
- KENNETH LIVINGSTON BURDON, Ph.B., Sc.M., Ph.D., *Instructor in Bacteriology and Immunology and in Public Health.*
- ADOLPH GEORGE SCHLOSSSTEIN, M.D., *Instructor in Clinical Obstetrics and Gynecology*
- CHARLES HERMANN EYERMANN, M.D., *Instructor in Clinical Medicine*
- ARTHUR EDGAR STRAUSS, B.S., M.D., *Instructor in Clinical Medicine*
- PARK JERAULD WHITE, A.B., M.D., *Instructor in Clinical Pediatrics*
- ARCHIE DREYFUSS CARR, B.S., M.D., *Instructor in Clinical Neurology*
- SAMUEL BECKER GRANT, B.S., M.D., *Instructor in Clinical Medicine*
- JOHN RUSSELL VAUGHAN, M.D., *Instructor in Clinical Obstetrics and Gynecology*
- RAYMOND MILLS SPIVY, M.D., *Instructor in Clinical Obstetrics and Gynecology*
- JOSEPH EDGAR STEWART, M.D., *Instructor in Clinical Orthopedic Surgery*
- OLIVER HOWARD CAMPBELL, M.D., *Instructor in Clinical Medicine*
- THEODORE PREWITT BROOKES, M.D., *Instructor in Clinical Orthopedic Surgery*
- PAUL JOHN ZENTAY, M.D., *Instructor in Clinical Pediatrics*
- LEITH HOLLINSHEAD SLOCUMB, M.D., *Instructor in Anatomy*
- PHILIP LEONARD VARNEY, B.S., M.S., Ph.D., *Instructor in Bacteriology and Immunology and in Public Health*
- LEE DE CADY, A.B., A.M., M.D., *Instructor in Clinical Medicine*
- PAUL EDWARD KUBITSCHER, B.S., M.D., D.Sc., *Instructor in Neuropsychiatry and in Pediatrics*
- MIRIAM SCOTT LUCAS, B.S., Ph.D., *Instructor in Cytology*
- FREDERICK AUGUSTUS JOSTES, B.S., M.D., *Instructor in Clinical Orthopedic Surgery*

- WAYNE ARTHUR RUPE, A.B., M.D., *Instructor in Clinical Pediatrics*  
ALFRED GOLDMAN, A.B., M.D., *Instructor in Clinical Medicine*  
HIRAM SHAW LIGGETT, M.D., *Instructor in Clinical Medicine*  
ROBERT JAMES CROSSEN, A.B., M.D., *Instructor in Clinical Obstetrics and Gynecology*  
CHARLES WILLIAM DUDEN, M.D., *Instructor in Clinical Medicine*  
JULIUS JENSEN, M.R.C.S., L.R.C.P., Ph.D., *Instructor in Clinical Medicine*  
GEORGE ARTHUR SEIB, A.B., M.D., *Instructor in Anatomy*  
WILLIAM FRANKLIN WENNER, A.B., Ph.D., M.D., *Instructor in Experimental Physiology in Oto-Laryngology*  
IRENE KOECHIG FREIBERG, A.B., A.M., *Instructor in Biological Chemistry*  
JOSEPH FRANCIS BREDECK, A.B., M.D., *Instructor in Clinical Medicine*  
RALEIGH K. ANDREWS, B.S., M.D., *Instructor in Clinical Medicine*  
ANTHONY BIGELOW DAY, B.S., M.D., *Instructor in Clinical Medicine*  
ROLAND METZLER KLEMME, M.D., *Instructor in Clinical Neurological Surgery*  
MILO LAWRENCE HEIDEMAN, A.B., M.D., *Instructor in Clinical Medicine*  
NATHAN ANTHONY WOMACK, B.S., M.D., *Instructor in Clinical Surgery*  
CHARLES DRABKIN, A.B., M.D., *Instructor in Clinical Obstetrics and Gynecology*  
KATHERINE BAIN, A.B., M.D., *Instructor in Clinical Pediatrics*  
GROVER HEWITT POOS, M.D., *Instructor in Clinical Ophthalmology*  
HOWARD ARCH RUSK, A.B., M.D., *Instructor in Clinical Medicine*  
CARL REINARD WEGNER, A.B., M.D., *Instructor in Obstetrics and Gynecology*  
WILLIAM MAHLON JAMES, B.S., M.D., *Instructor in Clinical Ophthalmology*  
J. WILLIAM BECKMANN, A.B., M.D., *Instructor in Clinical Neurology*  
ROLAND WENDELL HARRISON, A.B., M.S., Ph.D., *Instructor in Applied Bacteriology and Immunology*  
ALFRED J. CONE, B.S., M.S., M.D., *Instructor in Clinical Oto-Laryngology*  
ROSSLEENE ARNOLD HETLER, A.B., A.M., Ph.D., *Instructor in Applied Nutrition in Oto-Laryngology*  
ANNE MACGREGOR PERLEY, A.B., M.A., *Instructor in Biological Chemistry in Pediatrics*  
OSCAR CHARLES ZINK, M.D., *Instructor in Clinical Radiology*  
VINCEL ROGERS DEAKIN, M.D., *Instructor in Clinical Genito-Urinary Surgery*  
JOSEPH HOY SANFORD, M.D., *Instructor in Clinical Genito-Urinary Surgery*  
OTTO JULIUS WILHELMI, B.S., M.D., *Instructor in Clinical Genito-Urinary Surgery*  
JAMES BRAY COSTEN, A.B., M.D., *Instructor in Clinical Oto-Laryngology*  
JOHN E. HOBBS, A.B., M.D., *Instructor in Obstetrics and Gynecology*



- DOROTHY WOLFF, A.B., M.A., Ph.D., *Instructor in Anatomy in Oto-Laryngology*
- HENRY SPENCE BROOKES, JR., M.D., *Instructor in Clinical Surgery*
- JACOB G. PROBSTEIN, M.D., *Instructor in Clinical Surgery*
- CECIL MARVIN CHARLES, A.B., A.M., Ph.D., M.D., *Instructor in Anatomy*
- CARLISS MALONE STROUD, B.S., M.D., *Instructor in Clinical Medicine*
- LOUIS FRED AITKEN, B.S., M.D., *Instructor in Clinical Medicine*
- HUBERT BEAUFORT PEUGNET, A.B., M.D., *Instructor in Physiology*
- EDGAR ALLEN BLAIR, A.B., M.S., *Instructor in Physiology*
- J. TED JEAN, A.B., M.D., *Instructor in Clinical Medicine and Physician to Medical and Dental Students*
- LAWRENCE GOLDMAN, A.B., M.D., *Instructor in Clinical Pediatrics*
- VAL BEYER SATTERFIELD, B.S., M.D., *Instructor in Clinical Neurology*
- GROVER BERNARD LIESE, A.B., M.D., *Instructor in Clinical Obstetrics and Gynecology*
- DUDLEY REEVES SMITH, M.D., *Instructor in Clinical Obstetrics and Gynecology*
- HOWARD ROMMEL HILDRETH, M.D., *Instructor in Clinical Ophthalmology*
- CYRIL MITCHELL MACBRYDE, A.B., M.D., *Instructor in Medicine*
- GEORGE ORMISTON, M.B.Ch.B., M.D., M.R.C.P., *Instructor in Clinical Pediatrics*
- CARL CONRAD BEISBARTH, B.S., M.D., *Instructor in Clinical Ophthalmology*
- WILLIAM GOODWIN COLEMAN, B.S., M.D., *Instructor in Clinical Dermatology*
- ROLAND WILLIAM STUEBNER, M.D.,<sup>1</sup> *Instructor in Clinical Surgery*
- CLINTON WELSH LANE, A.B., M.D., *Instructor in Clinical Dermatology*
- SAMUEL DAVID SOULE, M.D., *Instructor in Clinical Obstetrics and Gynecology*
- ROBERT VOTAW, M.D., *Instructor in Oto-Laryngology*
- MARTIN FEENEY ENGMAN, JR., M.D., *Instructor in Clinical Dermatology*
- ERIC WASHINGTON THURSTON, M.D., *Instructor in Pathology*
- WENDELL GARRISON SCOTT, A.B., M.D., *Instructor in Radiology*
- HIROMU TSUCHIYA, A.B., Sc.D., *Instructor in Public Health*
- A. NORMAN ARNESON, B.S., M.D., *Instructor in Radiology<sup>2</sup> and in Obstetrics and Gynecology*
- ELIZABETH MOORE, A.B., M.D.,<sup>3</sup> *Instructor in Pathology*
- PAUL WILLIAM PREISLER, B.S., M.S., Ph.D.,<sup>4</sup> *Instructor in Biological Chemistry*
- THOMAS PALMER FINDLEY, JR., A.B., M.D.,<sup>5</sup> *Instructor in Clinical Medicine*

<sup>1</sup> Resigned, December 12, 1934.

<sup>2</sup> Effective, January 1, 1935.

<sup>3</sup> Resigned, September 1, 1934.

<sup>4</sup> On leave of absence, November 1, 1934 to January 1, 1935.

<sup>5</sup> Effective, January 1, 1935.

- LEON BROMBERG, A.B., M.D.,<sup>1</sup> *Instructor in Clinical Medicine*  
JAMES M. DOUGLAS, LL.B., *Lecturer in Medical Jurisprudence*  
JOSEPH C. WILLETT, D.V.M., *Lecturer in Public Health*  
ROY EARL MASON, M.D., *Lecturer in Clinical Ophthalmology*  
THOMAS B. POTE, D.V.S., M.D., *Lecturer in Pathology*  
RAFAEL LORENTE DE NÓ, M.D., *Lecturer in Neuro-otology*  
MAURICE JULIUS LONSWAY, B.S., M.D., *Assistant in Clinical Pediatrics*  
LIONEL SINCLAIR LUTON, M.D., *Assistant in Clinical Medicine*  
JAMES LEWALD, M.D.,<sup>2</sup> *Assistant in Clinical Psychiatry*  
AMALIE MARIE NAPIER, M.D., *Assistant in Clinical Ophthalmology*  
WILLIAM LUDWIG HANSON, M.D., *Assistant in Clinical Oto-Laryngology*  
LEE PETTIT GAY, A.B., M.D., *Assistant in Clinical Medicine*  
OLIVER ABEL, JR., B.S., M.D., *Assistant in Clinical Medicine*  
WILLIAM GEORGE BECKE, M.D., *Assistant in Clinical Medicine*  
FRANCIS JOHN CANEPA, M.D., *Assistant in Clinical Obstetrics and Gynecology*  
EUGENE AUGUST VOGEL, A.B., M.D., *Assistant in Clinical Obstetrics and Gynecology*  
LOUIS E. FREIMUTH, B.S., M.D., *Assistant in Clinical Oto-Laryngology*  
HELEN L. B. GAGE, B.S., M.D., *Assistant in Clinical Oto-Laryngology*  
NEWTON W. AMOS, M.D., *Assistant in Clinical Genito-Urinary Surgery*  
MYRON WOODWARD DAVIS, M.D., *Assistant in Clinical Obstetrics and Gynecology*  
CLEON EDWARD COLGATE, A.B., M.D., *Assistant in Clinical Pediatrics*  
LOUIS COHEN, B.S., M.D., *Assistant in Clinical Medicine*  
BEN DRUZE SENTURIA, B.S., M.D., *Assistant in Clinical Medicine*  
FRANKLIN EDWARD WALTON, B.S., M.D., *Assistant in Clinical Surgery*  
HARRY WILLIAM WIESE, B.S., M.D., *Assistant in Clinical Medicine*  
MARION CLAIRE MORRIS, A.B., M.S., *Assistant in Applied Bacteriology and Immunology*  
HARRY NAYLOR GLICK, A.B., M.D., *Assistant in Clinical Oto-Laryngology*  
BARBARA STANDISH KENDALL, A.B., Ed.M., *Assistant in Applied Psychology in Neurology*  
KARL JOHN BALAZS, B.S., M.D., *Assistant in Clinical Obstetrics and Gynecology*  
MELVIN ANDREW ROBLEE, B.S., M.D., *Assistant in Clinical Obstetrics and Gynecology*  
FRANZ JOSEPH ARZT, M.D., *Assistant in Clinical Obstetrics and Gynecology*  
ELMER RICHMAN, M.D., *Assistant in Clinical Medicine*  
CHARLES EDWARD GILLILAND, B.S., M.D., *Assistant in Clinical Medicine*

<sup>1</sup> Effective, May 1, 1935.

<sup>2</sup> Resigned, August 6, 1934.

- BERTRAND YOUNKER GLASSBERG, B.S., M.D., *Assistant in Clinical Medicine*  
EDWIN HENRY ROHLFING, M.D., *Assistant in Clinical Pediatrics*  
ALLEN BREWER POTTER, A.B., M.D., *Assistant in Clinical Oto-Laryngology*  
KENNETH FRANKLIN GLAZE, B.S., M.D., *Assistant in Clinical Medicine*  
MARY ANNE MCLOON, A.B., B.M., M.D., *Assistant in Clinical Pediatrics*  
LILBURN CASPER BOEMER, B.S., M.D., *Assistant in Clinical Oto-Laryngology*  
MAX DEUTCH, M.D., *Assistant in Clinical Pediatrics*  
ROBERT WILSON BARTLETT, B.S., M.D., *Assistant in Clinical Surgery*  
EDWARD LAWRENCE KEYES, JR., B.S., M.D., *Assistant in Clinical Surgery*  
CATHERINE C. BUHRMESTER, B.S., M.S., *Assistant in Applied Chemistry in Oto-Laryngology*  
GRACE MEHRTEN, A.B., M.A., *Assistant in Applied Bacteriology in Medicine and Assistant in Bacteriology and Immunology*  
MILTON SMITH, B.S., M.D., *Assistant in Clinical Medicine*  
ALEXANDER SILVERGLADE, B.S., *Assistant in Bacteriology and Immunology*  
IRWIN HERMAN ESKELES, B.S., M.D., *Assistant in Clinical Dermatology*  
JOSEPH ALOYSIUS BAUER, M.D., *Assistant in Clinical Pediatrics*  
HANS LOUIS KLEINE, B.S., M.D., *Assistant in Clinical Obstetrics and Gynecology*  
KEVIN CHARLES MORRIN, M.B., B.Ch., *Assistant in Clinical Obstetrics and Gynecology*  
PAUL ROLAND NEMOURS, B.S., M.D., *Assistant in Clinical Oto-Laryngology*  
WILLARD CALVIN SCRIVNER, B.S., M.D., *Assistant in Clinical Obstetrics and Gynecology*  
CHARLOTTE WIEGHARD, A.B., M.S.,<sup>1</sup> *Assistant in Applied Biological Chemistry*  
JOHN B. O'NEILL, M.D., *Assistant in Clinical Obstetrics and Gynecology*  
GILBERT CARL STRUBLE, B.S., M.D.,<sup>2</sup> *Assistant in Clinical Ophthalmology*  
FREDERICK AUGUST JACOBS, B.S., M.D., *Assistant in Clinical Pediatrics*  
FREDERICK W. SCHERRER, B.S., M.D., *Assistant in Clinical Oto-Laryngology*  
SOL LONDE, B.S., M.D., *Assistant in Clinical Pediatrics*  
LEE BULLEN HARRISON, A.B., M.D., *Assistant in Clinical Medicine*  
LOUIS T. BYARS, B.S., M.D., *Assistant in Surgery*  
FAY SOLOMON COMER, M.D., *Assistant in Surgery*  
MARIAN GRACE PFINGSTEN, A.B., *Assistant in Oto-Laryngology*  
JAMES EDWARD PITTMAN, A.B., M.D., *Assistant in Surgery*  
OLIVE BARBARA SCHREGARDUS, A.B., *Assistant in Applied Chemistry in Medicine*

<sup>1</sup> Resigned, October 1, 1934.

<sup>2</sup> Resigned, February 1, 1935.



- RALPH W. SNODGRASS, A.B., M.D., *Assistant in Obstetrics and Gynecology*  
WILLARD OAKES TIRRILL, JR., A.B., M.D., *Assistant in Obstetrics and Gynecology*  
ALBERT CHESTERFIELD STUTSMAN, B.S., M.D., *Assistant in Oto-Laryngology*  
FRANCES H. STEWART, M.D., *Assistant in Clinical Obstetrics and Gynecology*  
GUERDAN HARDY, M.D., *Assistant in Clinical Ophthalmology*  
BARRETT LEARNED TAUSSIG, A.B., M.D., *Assistant in Medicine*  
LOUIS L. TUREEN, B.S., M.D., *Assistant in Clinical Neurology*  
ADRIAN REAS ANNEBERG, B.S., M.D., *Assistant in Oto-Laryngology*  
JOHN BLANCHARD BARGER, M.D., *Assistant in Clinical Medicine*  
NEWELL H. BATTLES, B.M., M.D., *Assistant in Oto-Laryngology*  
EDWARD WYATT CANNADY, A.B., M.D., *Assistant in Medicine*  
BRADFORD CANNON, A.B., M.D., *Assistant in Surgery*  
LEO G. DAVIS, M.D., *Assistant in Ophthalmology*  
CALVIN SEARLE DRAYER, A.B., M.D., *Assistant in Surgery*  
LEONARD THOMPSON FURLOW, B.S., M.D., *Assistant in Neurological Surgery*  
LEO GOTTLIEB, A.B., A.M., M.D., *Assistant in Medicine*  
NOTLEY WILLIAM HAWKINS, A.B., M.D., *Assistant in Clinical Ophthalmology*  
PAUL KUNKEL, A.B., M.D., *Assistant in Pathology*  
ADOLPH CHARLES LANGE, B.S., M.D., *Assistant in Clinical Ophthalmology*  
CLAIR STARRETT LINTON, B.S., M.D., *Assistant in Oto-Laryngology*  
JAMES WESLEY MCKINNEY, B.S., M.D.,<sup>1</sup> *Assistant in Ophthalmology*  
LLOYD C. MILLER, M.D., *Assistant in Clinical Medicine*  
HAROLD GOULD NEWMAN, B.S., A.M., M.D., *Assistant in Clinical Medicine*  
MAURICE NORMAN ORGEL, B.S., A.M., M.D., *Assistant in Pathology*  
ROBERT KEDZIE PLANT, B.S., M.D., *Assistant in Obstetrics and Gynecology*  
W. TUPPER PLUMPE, B.S., M.D., *Assistant in Clinical Medicine*  
LYMAN KING RICHARDSON, A.B., M.D., *Assistant in Surgery*  
JOHN ALBION SAXTON, JR., A.B., M.D., *Assistant in Pathology*  
ROBERT S. SCHWAB, A.B., M.D., *Assistant in Neuropsychiatry*  
KATHERINE OPHELIA SHIRLEY, A.B., M.D., *Assistant in Medicine*  
DAVID MILLER SKILLING, JR., B.S., M.D., *Assistant in Clinical Medicine*  
ROBERT S. SMITH, A.B., Sc.D., M.D., *Assistant in Surgery*  
HELMAN CHAIM WASSERMAN, A.B., M.D., *Assistant in Obstetrics and Gynecology*  
ROLLIN AUGUSTUS DANIEL, JR., A.B., M.D., *Assistant in Surgery*

<sup>1</sup> Resigned, March 1, 1935.

- ALFRED D. HERSHEY, Ph.D., *Assistant in Bacteriology and Immunology*  
 EVERETT O. JEFFREYS, A.B., M.D., *Assistant in Medicine*  
 WILLIAM EUGENE KEITER, B.S., M.D.,<sup>1</sup> *Assistant in Pediatrics*  
 WILLIAM F. KLOTZ, B.S., M.D., *Assistant in Oto-Laryngology*  
 MARSHALL G. SEIBEL, B.S., M.D., *Assistant in Clinical Medicine*  
 HENRY LEO CABITT, A.B., M.D., *Assistant in Clinical Surgery*  
 ARIE CORNELIUS VAN RAVENSWAAY, M.D.,<sup>2</sup> *Assistant in Medicine*  
 STANLEY LEONARD HARRISON, B.S., M.D.,<sup>3</sup> *Assistant in Clinical Pediatrics*  
 JOHN W. ESCHENBRENNER, B.S., M.D.,<sup>4</sup> *Assistant in Clinical Ophthalmology*  
 JOHN WARREN HENDERLITE, M.D.,<sup>4</sup> *Assistant in Clinical Medicine*  
 JOHN FRANKLIN PATTON, M.D.,<sup>4</sup> *Assistant in Clinical Genito-Urinary Surgery*  
 KENNETH O. WILSON, M.D.,<sup>4</sup> *Assistant in Clinical Genito-Urinary Surgery*  
 HARRY L. THIEME, B.S., M.D.,<sup>5</sup> *Assistant in Clinical Orthopedic Surgery*  
 LLOYD DAVID LINTON, B.S.,<sup>6</sup> *Assistant in Applied Bacteriology in Oto-Laryngology*  
 J. KELLER MACK, B.S., M.D.,<sup>6</sup> *Assistant in Pediatrics*  
 JAY CRAWFORD, A.B., B.S., M.D.,<sup>7</sup> *Assistant in Ophthalmology*
- HELENE C. COLEMAN.....*Secretary to the Dean*

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<sup>1</sup> Resigned, February 1, 1935.

<sup>2</sup> Effective, September 1, 1934.

<sup>3</sup> Effective, November 7, 1934.

<sup>4</sup> Effective, January 1, 1935.

<sup>5</sup> Effective, January 15, 1935.

<sup>6</sup> Effective, February 1, 1935.

<sup>7</sup> Effective, March 15, 1935.

## FELLOWS

- GERTY T. CORI, M.D., *Research Fellow in Pharmacology*  
JOSEPH E. RUBINSTEIN, A.B., M.D., C.M., *Fellow in Neurological Surgery*  
JOHN DOUGLAS W. A. COLES, B.V.Sc., *Research Fellow in Cytology (Commonwealth Fund)*  
ALBERT H. HEGNAUER, A.B., Ph.D.,<sup>1</sup> *Research Fellow in Pharmacology*  
FREDRICK JOHN STARE, B.S., M.D., Ph.D., *Research Fellow in Biological Chemistry (National Research Council)*  
SAMUEL ROBERT SNODGRASS, B.S., M.D., *Fellow in Neurological Surgery*  
IAN AIRD, M.B., Ch.B., *Research Fellow in Surgery (British Research Council)*  
FREDERICK LYLE WYND, B.S., B.A., M.A., Ph.D., *Research Fellow in Bacteriology and Immunology*  
GEORGES COPPÉE, M.D., *Research Fellow in Physiology (Committee for the Relief of Belgium Educational Foundation)*  
RICHARD DOBBS, B.A., M.B., Ch.B., *Fellow in Pediatrics*  
M. MURRAY PARKER, M.B., Ch.B.,<sup>2</sup> *Fellow in Surgery (British Research Council)*
- 

## RESEARCH ASSOCIATES AND ASSISTANTS

- SAMUEL HOWARD BARTLEY, Ph.D., *Research Associate in Bio-physics and Psychology*  
PHILIP S. WILLIAMS, *Research Associate in Cytology*  
EDWARD LEROY BURNS, M.D., *Research Assistant in Pathology*  
SAMUEL J. HAYWARD, *Research Assistant in Pathology*  
ABLON ARNOLD KIPPEN, A.B., M.D., *Research Assistant in Pathology*  
VALENTINA SUNTZEFF, M.D., *Research Assistant in Pathology*  
ELIZABETH MOORE, A.B., M.D., *Research Assistant in Medicine*  
GLENN ANSEL FRY, A.B., A.M., Ph.D., *Research Assistant in Ophthalmology*

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<sup>1</sup> Resigned, March 1, 1935.

<sup>2</sup> Effective, January 15, 1935.





## SURGERY

*Surgeon in Chief*

Evarts A. Graham

*Associate Surgeons*

Ernest Sachs  
 Vilray P. Blair  
 John R. Caulk  
 Malvern B. Clopton  
 J. Albert Key

*Assistant Surgeons*

Arthur O. Fisher  
 Major G. Seelig  
 J. Edgar Stewart  
 Warren R. Rainey  
 Glover H. Copher  
 Dalton K. Rose  
 Charles A. Stone  
 Duff S. Allen  
 Roland M. Klemme  
 Theodore P. Brookes  
 James B. Brown  
 Warren H. Cole  
 Frederick A. Jostes  
 Isaac Y. Olch  
 J. Hoy Sanford  
 Otto J. Wilhelmi  
 V. Rogers Deakin  
 Robert Elman  
 Peter Heinbecker  
 Henry S. Brookes, Jr.  
 Nathan A. Womack  
 Clarence H. Crego, Jr.  
 Edward L. Keyes, Jr.  
 Franklin Walton  
 John Patton  
 Robert W. Bartlett  
 Leonard T. Furlow

*Voluntary Assistants*

Joseph E. Rubinstein  
 Samuel R. Snodgrass  
 Henry L. Cabitt  
 Alvah G. Heideman  
 Ian Aird  
 M. Murray Parker

OBSTETRICS AND  
GYNECOLOGY*Consultants*

Henry Schwarz  
 Harry S. Crossen

*Obstetrician and Gynecologist  
in Chief*

Otto H. Schwarz

*Associate Obstetricians and  
Gynecologists*

Frederick J. Taussig  
 Grandison D. Royston  
 Quitman U. Newell  
 Hugo Ehrenfest  
 George Gellhorn  
 Frank P. McNalley  
 Charles D. O'Keefe

*Assistant Obstetricians and  
Gynecologists*

Adolph G. Schlosstein  
 Otto St. Clair Krebs  
 Richard Paddock  
 Raymond M. Spivy  
 John R. Vaughan  
 Robert J. Crossen  
 Grover B. Liese  
 T. Kenneth Brown  
 Dudley R. Smith  
 Charles Drabkin  
 Myron W. Davis  
 Franz Arzt  
 Melvin A. Roblee  
 Karl J. Balazs  
 Francis J. Canepa  
 Eugene A. Vogel  
 Carl R. Wegner  
 John E. Hobbs  
 John B. O'Neill  
 Samuel D. Soule  
 Kevin C. Morrin  
 Willard C. Scrivner  
 Frances H. Stewart  
 A. Norman Arneson  
 Ralph W. Snodgrass  
 Willard O. Tirrill  
 Robert K. Plant  
 Helman C. Wasserman

## OTO-LARYNGOLOGY

*Oto-Laryngologist in Chief*

Lee W. Dean

*Assistant Oto-Laryngologists*

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

Louis J. Birsner  
 Alfred J. Cone  
 Allen B. Potter  
 Helen Gage  
 Fred W. Scherrer  
 Robert E. Votaw  
 L. C. Boemer  
 Paul R. Nemours  
 Harry N. Glick  
 A. Chesterfield Stutsman

## OPHTHALMOLOGY

*Ophthalmologist in Chief*

Lawrence T. Post

*Associate Ophthalmologists*

William E. Shahan  
 Meyer Wiener

*Assistant Ophthalmologists*

William F. Hardy  
 Frederick E. Woodruff  
 Max W. Jacobs  
 M. Hayward Post  
 Frederick O. Schwartz  
 Bennett Y. Alvis  
 William M. James  
 Harvey D. Lamb  
 Howard R. Hildreth  
 Carl Beisbarth  
 Grover H. Poos  
 Roy E. Mason

*Voluntary Assistants*

Gilbert Struble  
 John W. Eschenbrenner

## PEDIATRICS

*Physician in Chief*

W. McKim Marriott

*Consulting Physician*

Borden S. Veeder

*Associate Physicians*

Theodore C. Hempelmann  
 Hugh McCulloch  
 Jean V. Cooke  
 Alexis F. Hartmann

*Assistant Physicians*

Jacob J. Singer  
 Adrien S. Bleyer  
 Maurice J. Lonsway

Park J. White  
 Katherine Bain  
 Cleon E. Colgate  
 Wayne A. Rupe  
 Edwin H. Rohlfing  
 Paul J. Zentay  
 Max Deutch  
 Paul E. Kubitschek  
 Joseph A. Bauer  
 Lawrence Goldman  
 Frederick A. Jacobs  
 George Ormiston  
 Stanley L. Harrison  
 Sol Londe

## DERMATOLOGY

*Dermatologist*

Martin F. Engman

*Assistant Dermatologists*

Richard S. Weiss  
 Adolph H. Conrad  
 William G. Coleman  
 Martin F. Engman, Jr.  
 Clinton W. Lane

## NEUROLOGY

*Neurologist*

Sidney I. Schwab

*Assistant Neurologists*

Andrew B. Jones  
 Archie D. Carr  
 J. William Beckmann  
 Val B. Satterfield  
 Louis Tureen  
 Paul Kubitschek

## PATHOLOGY

*Pathologist*

Leo Loeb

*Associate Pathologist*

Howard A. McCordock

*Assistant Pathologist*

Walter J. Siebert

## RADIOLOGY

*Roentgenologist*

Sherwood Moore



*Assistant Roentgenologists*

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

STOMATOLOGY AND  
DENTISTRY*Stomatologist*

Virgil Loeb

*Dentists*

William B. Spotts  
James A. Brown  
Roy C. Mallory  
Donald White

*Assistant Dentist*

E. C. Brooks

## MISCELLANEOUS

*Physiologist*

Joseph Erlanger

*Chemist*

Philip A. Shaffer

*Anthropologist*

Robert J. Terry

*Physician in Charge of Physical  
Therapeutics*

Frank H. Ewerhardt

*Physicist*

Cordia C. Bunch

*Assistant Chemist, St. Louis*

*Children's Hospital*

Anne Macgregor Perley

## HOUSE STAFF

## MEDICINE

*Resident*

Edward W. Cannady

*Assistant Resident*

Leo Gottlieb

*Interns*

Raymond Holden  
Truman G. Drake  
Lee W. Dean, Jr.  
C. Allen Good  
Carl G. Harford  
George H. Curtis  
Ben P. Frissell  
Keith S. Wilson  
Theodore Bauerlein  
Paul Kunkel  
John R. Smith  
M. Norman Orgel

*Externs*

Katherine Shirley  
Everett O. Jeffreys  
A. A. Kippen

## SURGERY

*Resident*

James E. Pittman

*Assistant Residents*

Louis T. Byars  
Fay S. Comer  
Bradford Cannon  
Lyman K. Richardson  
Robert S. Smith  
Calvin S. Drayer  
Rollin A. Daniel

*Interns*

D. M. Baldwin  
Eugene M. Bricker  
C. C. Engleman  
Fred C. Reynolds  
William R. Smith  
Ralph M. Stuck  
Thomas W. Tormey, Jr.

OBSTETRICS AND  
GYNECOLOGY*Residents*

Ralph W. Snodgrass  
Willard O. Tirrill

*Assistant Residents*

Robert K. Plant  
Helman C. Wasserman

*Interns*

Ora J. Gibson  
Solomon Weisman

Donald M. Paton  
Charles M. Mulherin  
George J. L. Wulff  
Jack S. George

## OTO-LARYNGOLOGY

*Assistant Residents*

William F. Klotz  
Clair S. Linton  
A. Reas Anneberg  
Newell H. Battles

*Interns*

William T. K. Bryan  
Richard O. Smith  
Ralph W. Knewitz  
F. H. Borg  
Lee W. Dean, Jr.

*Externs*

F. L. Kennedy  
H. M. Smit  
Alvin R. Miller  
George S. Wilson  
Gilbert C. Struble

## OPHTHALMOLOGY

*Residents*

Adolph C. Lange  
Leo G. Davis  
J. W. McKinney

*Interns*

T. F. O'Connor  
Alan D. Calhoun  
Theodore E. Sanders  
Dwight H. Trowbridge, Jr.

*Externs*

Roger S. Grimmett  
William H. Meinberg  
William F. Klotz

## PEDIATRICS

*Resident*

W. Eugene Keiter

*Assistant Residents*

Ernest L. Glasscock  
J. Keller Mack  
Joseph C. Jaudon

*Interns*

Helen Aff  
Julia Lindsay Adams  
Abe Eveloff  
Russell J. Blattner  
Lynn W. Whelchel  
Richard Dobbs (Exchange)

## PATHOLOGY

*Intern*

John A. Saxton

WASHINGTON UNIVERSITY CLINICS, OUT-PATIENT  
DEPARTMENTS OF THE BARNES, THE ST. LOUIS  
CHILDREN'S, THE ST. LOUIS MATERNITY  
AND THE McMILLAN HOSPITALS

*Director*

John V. Lawrence

*Supervisor of Nursing*

Edna Miller Gibson

*Record Librarian*

Flora Robinson Wells

*Optician*

J. S. Crawford

## MEDICAL CLINICS

*Physician in Chief*

David P. Barr

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John V. Lawrence

*Physician in Charge*

J. Ted Jean

*Physicians to Out-Patients*

Elsworth S. Smith  
 Elmer Richman  
 Howard A. Rusk  
 Ralph S. Muckenfuss  
 Harry L. Alexander  
 Walter Baumgarten  
 Jerome Cook  
 Walter Fischel  
 Lee Pettit Gay  
 Frank Gorham  
 Llewellyn Sale  
 William Kountz

*Assistant Physicians to Out-Patients*

Marshall G. Seibel  
 Harold G. Newman  
 David M. Skilling

## ALLERGY DIVISION

*Chief of Clinic*

Harry L. Alexander

*Physician in Charge*

Charles H. Eyermann

*Physician to Out-Patients*

Elmer Richman

## ANEMIA DIVISION

*Physician in Charge*

Lawrence D. Thompson

## ARTHRITIS DIVISION

*Physician in Charge*

J. Albert Key

*Assistant Physician to Out-Patients*

Oliver E. Tjoflat

## CARDIOVASCULAR DIVISION

*Chief of Clinic*

Arthur E. Strauss

*Physicians to Out-Patients*

Drew W. Luten  
 Hiram S. Liggett  
 Julius Jensen

## ENDOCRINE DIVISION

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David P. Barr

*Physicians in Charge*

Harold A. Bulger (Diabetic)  
 Anthony B. Day (Thyroid)  
 Otto H. Schwarz (Gynecological)  
 Samuel D. Soule (Gynecological)

*Physician to Out-Patients*

Cyril M. MacBryde

## FOOD CLINIC DIVISION

*Dietitian*

Ruth Kahn

## GASTROINTESTINAL DIVISION

*Chief of Clinic*

Joseph W. Larimore

*Physician in Charge*

Arie C. van Ravenswaay

## NEUROLOGICAL DIVISION

*Chief of Clinic*

Sidney I. Schwab

*Physicians to Out-Patients*

Andrew B. Jones  
 Archie D. Carr  
 Val B. Satterfield  
 J. William Beckmann  
 Paul Edward Kubitschek

*Assistant Physician to Out-Patients*

Joseph Gitt

*Psychologist*

Barbara Standish Kendall

## TUBERCULOSIS

*Chief of Clinic*

Alfred Goldman

*Assistant Physician to Out-Patients*

Kenneth F. Glaze



## LABORATORY DIVISION

*Physician in Charge*

Thomas Findley

*Technician*

Anna Rawlins

## VENEREAL CLINIC

*Chief of Clinic*

Louis F. Aitken

## MEDICAL DIVISION

*Physician in Charge*

Louis F. Aitken

## DERMATOLOGICAL DIVISION

*Physician in Charge*

Clinton W. Lane

## NEUROSYPHILIS DIVISION

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*Assistant Physicians to Out-Patients*

Cyril M. MacBryde

Cecil M. Charles

*Ophthalmological Consultant*

William M. James

## OBSTETRIC DIVISION

*Chief of Clinic*

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## THERAPEUTIC DIVISION

*Physician in Charge*

William G. Coleman

## PROCTOLOGICAL DIVISION

*Surgeon in Charge*

Warren R. Rainey

## UROLOGICAL DIVISION

*Chief of Clinic*

Rogers Deakin

HEALTH AND DIAGNOSTIC  
CLINIC*Chief of Clinic*

John V. Lawrence

*Physician in Charge and Physician  
to Medical and Dental Students*

J. Ted Jean

*Pediatrician*

Frederick A. Jacobs

## DERMATOLOGICAL CLINIC

*Dermatologist in Chief*

Martin F. Engman

*Chief of Clinic*

Richard Weiss

*Physicians to Out-Patients*

Adolph H. Conrad

William G. Coleman

Clinton W. Lane

*Assistant Physician to Out-Patients*

Irwin H. Eskeles

## SURGICAL CLINICS

*Surgeon in Chief*

Evarts A. Graham

## GENERAL SURGERY DIVISION

*Chief of Clinic*

Warren H. Cole

*Surgeons to Out-Patients*

Ernest Sachs

Arthur O. Fisher

Glover H. Copher

Warren R. Rainey

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Nathan Womack

Robert Elman

Jacob G. Probststein

Harry S. Brookes, Jr.

Peter Heinbecker

*Assistant Surgeons to Out-Patients*

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Robert Bartlett

Franklin Walton

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Rogers Deakin

*Surgeons to Out-Patients*

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*Assistant Surgeons to Out-Patients*

John Patton  
K. O. Wilson  
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J. Albert Key

*Surgeons to Out-Patients*

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J. Edgar Stewart  
Frank H. Ewerhardt  
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*Assistant Surgeon to Out-Patients*

Frederick A. Jostes

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*Pediatrician in Chief*  
W. McKim Marriott

*Chief of Clinics*  
Jean V. Cooke

## GENERAL PEDIATRIC DIVISION

*Physician in Charge*  
Jean V. Cooke

*Physicians to Out-Patients*

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Alexis Hartmann  
Park J. White  
Frederick A. Jacobs

*Assistant Physicians to Out-Patients*

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*Physician in Charge*  
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## CARDIAC DIVISION

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Hugh McCulloch

## CONGENITAL SYPHILIS DIVISION

*Physician in Charge*  
Edwin H. Rohlfing

## WELL BABY DIVISION

*Physician in Charge*  
Jean V. Cooke

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*Obstetrician and Gynecologist in Chief*

Otto H. Schwarz

*Chief of Gynecological Clinic*

John E. Hobbs

*Chief of Obstetrical Clinic*

Dudley R. Smith

*Obstetricians and Gynecologists to Out-Patients*

Quitman U. Newell  
T. Kenneth Brown  
Karl J. Balazs  
Otto S. Krebs  
Carl R. Wegner  
Grover B. Liese  
Charles Drabkin  
Robert J. Crossen  
Melvin A. Roblee  
Myron W. Davis

*Assistant Obstetricians and Gynecologists to Out-Patients*

Francis J. Canepa  
Frances H. Stewart  
Kevin C. Morrin  
Samuel D. Soule  
Willard C. Scrivner  
A. Norman Arneson  
Ralph W. Snodgrass  
Willard O. Tirrill  
Helman C. Wasserman  
Robert K. Plant

## OPHTHALMOLOGICAL CLINIC

*Ophthalmologist in Chief*

Lawrence T. Post

*Chief of Ophthalmological Clinic*

H. Rommel Hildreth

*Ophthalmologists to Out-Patients*

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 Meyer Wiener  
 William F. Hardy  
 Frederick E. Woodruff  
 M. Hayward Post  
 Frederick O. Schwartz  
 Max W. Jacobs  
 Bennett Y. Alvis  
 Amalie M. Napier  
 Grover H. Poos  
 Carl C. Beisbarth  
 William M. James

*Assistant Ophthalmologists to Out-Patients*

Guerdan Hardy  
 Adolph C. Lange  
 Notley W. Hawkins  
 John W. Eschenbrenner

## OTO-LARYNGOLOGICAL CLINIC

*Oto-Laryngologist in Chief and Chief of Clinic*

Lee W. Dean

*Associate Chiefs of Clinic*

Harry W. Lyman  
 Millard F. Arbuckle  
 Arthur W. Proetz  
 Arthur M. Alden  
 French K. Hansel

*Surgeons to Out-Patients*

George E. Hourn  
 Isaac D. Kelley, Jr.  
 James B. Costen  
 Bernard J. McMahon  
 Alfred J. Cone  
 Louis J. Birsner

*Assistant Surgeons to Out-Patients*

Harry N. Glick  
 Helen Gage  
 Allen B. Potter  
 Lilburn C. Boemer  
 F. W. Scherrer  
 Robert Votaw

## THE ST. LOUIS CITY HOSPITAL

Visiting Physicians and Surgeons to the City Hospital<sup>1</sup> and other City institutions are designated by Washington University to act as follows:

*Medicine*

Oliver H. Campbell  
 Lionel S. Luton  
 Lawrence D. Thompson  
 Julius Jensen  
 William G. Becke  
 Oliver Abel, Jr.  
 John W. Henderlite  
 Marshall Seibel  
 David M. Skilling  
 Milo L. Heideman  
 Charles E. Gilliland

*Surgery*

Peter Heinbecker  
 Franklin Walton  
 Robert Elman  
 Nathan Womack

*Obstetrics and Gynecology*

T. Kenneth Brown  
 Charles Drabkin  
 Dudley R. Smith  
 John B. O'Neill  
 Melvin A. Roblee  
 Samuel D. Soule

*Neurology*

Archie D. Carr  
 Louis Turean

*Orthopedic Surgery*

Theodore P. Brookes  
 J. Edgar Stewart  
 Fred Jostes  
 J. Albert Key

*Dermatology*

William G. Coleman

<sup>1</sup> Appointed by the City upon nomination by the University,



*Neurosurgery*

Roland M. Klemme  
Leonard T. Furlow

*Ophthalmology*

Frederick O. Schwartz  
Bennett Y. Alvis  
M. Hayward Post  
Grover H. Poos

*Pediatrics*

Theodore C. Hempelmann

Maurice J. Lonsway  
Joseph A. Bauer

*Laryngology and Otology*

Bernard J. McMahon  
Millard F. Arbuckle  
Frederick W. Scherrer  
Harry N. Glick

*Genito-Urinary Surgery*

J. Hoy Sanford  
Otto J. Wilhelmi  
Kenneth O. Wilson  
John F. Patton

The facilities of the Isolation Hospital and the City Sanitarium are available for the use of the faculty.

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*Treasurer and Secretary to the Corporation*
- WALLACE GIBSON BARRY, A.M. . . . . *Purchasing Agent*
- FRANK H. EWERHARDT, M.D.  
*Director of Physical Education and University Health Service*
- WINTHROP HOLT CHENERY, PH.D.  
*Librarian (Library of Washington University)*
- PHILO STEVENSON, A.B. . . . . *Alumni Representative*
- KARL FREDERICK KOENIG, B.S., M.D. *Resident Physician of University*
- J. TED JEAN, M.D. . . . *Physician to Medical and Dental Students*
- FRANCES AGNES CLESSE, B.C.S.  
*First Assistant Treasurer and Assistant Secretary to the Corporation*
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- ELLA B. LAWRENCE . . . . *Librarian (School of Medicine Library)*
- MAUDE MCFARLAND HENNESSY  
*Assistant Librarian (School of Medicine Library)*
- HELEN KAISER . . . . . *Assistant Registrar (School of Medicine)*
- HARRY J. STIEBEL . . . . . *Chief Engineer*
- MORRIS BOORSTIN . . . . *Superintendent of Buildings and Grounds*
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DAVID P. BARR, M.D.	LAWRENCE T. POST, M.D.
LEO LOEB, M.D.	JOHN V. LAWRENCE, M.D.
OTTO H. SCHWARZ, M.D.	

### GENERAL FACULTY

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

HUGH MCCULLOCH, M.D., *Secretary of General Faculty*

### STANDING COMMITTEES<sup>1</sup>

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

#### LIBRARY

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#### BARNES HOSPITAL

Dr. Burlingham (*Chairman*), Drs. Barr, Graham, Loeb, Marriott, Dean, Schwarz, Post.

#### ST. LOUIS CHILDREN'S HOSPITAL

Dr. Marriott (*Chairman*), Drs. Graham, Dean, Miss Claiborne.

#### ST. LOUIS MATERNITY HOSPITAL

Dr. Schwarz (*Chairman*), Drs. Graham, Marriott, Mrs. Keith.

#### EDWARD MALLINCKRODT INSTITUTE OF RADIOLOGY

Dr. Moore (*Chairman*), Drs. Graham, Shaffer, Marriott, Barr, Terry, Hughes, Erlanger.

#### MCMILLAN HOSPITAL

Dr. Marriott (*Chairman*), Drs. Barr, Dean, Post, Woodruff, Lawrence, Lyman.

#### FACULTY REPRESENTATIVE TO THE BARNES HOSPITAL BOARD

Dr. Graham.

<sup>1</sup> The Dean is *ex officio* a member of all standing committees.



## WASHINGTON UNIVERSITY CLINICS

Dr. Barr (*Chairman*), Drs. Fisher, Graham, Marriott, Schwarz, Burlingham, Dean, Lawrence, Post, Clopton, Misses Baker, Ingram.

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

## ADMISSIONS AND PROMOTIONS

Dr. Marriott (*Chairman*), Drs. Shaffer, Graham, Dean, Cowdry.

## LOANS AND SCHOLARSHIPS

Dr. Terry (*Chairman*), Drs. Alexander, Copher.

## DEPARTMENT OF SOCIAL SERVICE

Dr. Barr (*Chairman*), Drs. Alexander, Schwarz, Cooke, Lawrence, Burlingham, Cole, Mrs. Holland, Miss Baker, Mrs. Catlin, Mr. Van Schoiack.

## ST. LOUIS CITY HOSPITAL

Dr. Dean (*Chairman*), Dr. Womack.

## TRACHOMA RESEARCH

Dr. Julianelle (*Chairman*), Drs. Cowdry, Bronfenbrenner, Marriott, Post.

## DEGREES CONFERRED

The degree of Doctor of Medicine was conferred upon the following, June 12, 1934:

NAME	INTERNSHIP
Aff, Helen Margaret, B.S. (Cum Laude)	St. Louis Children's Hospital
Alvis, Edmund Bennett	St. Louis City Hospital
Anderson, Richard Malvin	Grant Hospital, Columbus, Ohio
Anderson, Vern Henry, A.B.	Salt Lake General Hospital, Salt Lake City, Utah
Bailey, Harmon Jackson, B.S., M.S.	Delaware Hospital, Wilmington, Delaware
Baker, James Matthews, A.B., B.S.	Missouri Baptist Hospital
Barlow, Ralph Newton, B.S.	St. Louis City Hospital
Basman, Jack, A.B., B.S.	Sinai Hospital, Baltimore, Maryland
Birk, Carl Peter, B.S.	St. Luke's Hospital
Bobe, Robert William	Evangelical Deaconess Hospital
Bohrer, Edward Royse, A.B.	DePaul Hospital
Bowers, Garvey Bruce, B.S., A.M.	Missouri Baptist Hospital
Bowers, John Alden, B.S.	Delaware Hospital, Wilmington, Delaware
Bricker, Eugene Myron (Cum Laude)	Barnes Hospital
Brown, John Jefferson	Youngstown City Hospital, Youngstown, Ohio
Burford, Edgar Humber, B.S.	St. Luke's Hospital
Bush, Leonard Franklin, B.S.	George F. Geisinger Memorial Hospital, Danville, Pennsylvania
Buss, Paul Gerhard, B.S.	St. Louis County Hospital
Caldemeyer, Everett Samuel	St. Mary Hospital, Quincy, Illinois
Campbell, Thomas Curtis, A.B.	St. Louis City Hospital
Culbertson, Roy Frederick, A.B.	Santa Rosa Hospital, San Antonio, Texas
Davis, Luther, Jr., A.B.	Union Memorial Hospital, Baltimore, Maryland
Doyle, William Henry, A.B.	St. Louis City Hospital
Drake, Frank Rodney, A.B.	St. Luke's Hospital
Drury, Robert Lamar	St. Luke's Hospital
Evans, Ezra Levi, Jr., B.S.	Santa Clara County Hospital, San Jose, California
Fisher, Robert Edmund, A.B., (Cum Laude)	Instructor, Department of Pharmacology
Friedman, David, B.S.	Jewish Hospital
Frisch, Jane Esther	Billings Hospital, Chicago, Illinois
Frissell, Ben Pat, A.B. (Cum Laude)	Barnes Hospital
Gist, William Wilmot, A.B., B.S.	Kansas City General Hospital, Kansas City, Missouri
Greenbaum, Roy	St. Louis City Hospital
Greenberg, Ralph, A.B., B.S.	Morrisania City Hospital, New York City
Gumper, Arnold John, A.B., B.S.	St. Elizabeth's Hospital, Dayton, Ohio
Hageman, Paul Onk, A.B. (Cum Laude)	New York Hospital, New York City
Hammonds, Everett England	University of Kansas Medical School, Kansas City, Kansas
Hampton, Stanley Forrest, A.B.	University Hospitals, Iowa City, Iowa
Hedlund, Charles John, B.S.	Ancker Hospital, St. Paul, Minnesota
Hendren, Glenn W., B.S. (Cum Laude)	Kansas City General Hospital, Kansas City, Missouri
Herman, Allen Isadore, A.B., B.S.	St. Louis City Hospital
Hunter, Martin Peters	St. Joseph Hospital, Kansas City, Missouri
Jeffreys, Everett Osbourne, A.B.	Assistant, Department of Medicine
Jekel, Louis Glanz, B.S.	Barnard Free Skin and Cancer Hospital
Jones, Dorothy Jeannette, A.B. (Cum Laude)	Lakeside Hospital, Cleveland, Ohio
Jones, Ralph Russell	St. Vincent's Hospital, Portland, Oregon
Khoury, Norris Nicholas, B.S.	
Kranson, Seymour Julian, A.B.	St. Louis City Hospital
Kunkel, Paul, A.B.	Barnes Hospital
LeMone, David von den Berg, A.B., B.S.	St. Luke's Hospital
Lesser, Arthur Jacques, A.B.	Children's Memorial Hospital, Chicago, Illinois
Leydig, Stanley Milton, A.B.	St. Louis City Hospital
Little, Howard Q. L., B.S.	City Memorial Hospital, Winston-Salem, N. C.
Lloyd, Leo Walter, B.S.	Strong Memorial Hospital, Rochester, N. Y.
Marcus, Morris David	St. Louis City Hospital
Marshall, Bromell Moeser, B.S.	University of Oklahoma Hospitals, Oklahoma City, Oklahoma
McKenzie, Walten Holt, A.B.	St. Louis City Hospital
McKinstry, Karl Virgil	Evangelical Deaconess Hospital
Miller, Alva Edward, B.S.	St. Louis City Hospital

NAME	INTERNSHIP
Molony, Clement Joseph, A.B.	Los Angeles County General Hospital, Los Angeles, California
Moss, Paul	General Hospital of Fresno County, Fresno, California
Nelson, John Moulton, A.B.	Colorado General Hospital, Denver, Colorado
Nordenbrock, Gregory John	St. Paul's Hospital, Dallas, Texas
Orgel, Maurice Norman, B.S., A.M. (Cum Laude)	Barnes Hospital
Patton, William Ernest	Boston City Hospital, Boston, Massachusetts
Poos, Robert Sanders, A.B.	DePaul Hospital
Rawlins, Grove Allen, A.B.	DePaul Hospital
Reynolds, Frederick Curtis, A.B.	Barnes Hospital
Rogier, Jean Frederick, A.B.	New Haven Hospital, New Haven, Conn.
Rosenbaum, Harry David	Jewish Hospital
Rosenthal, Leonard Georges	Menorah Hospital, Kansas City, Mo.
Rouner, James Lawrence, A.B., B.S., A.M.	St. Mary Hospital, Quincy, Ill.
Sanderson, Everett Shovelton, B.S., M.S., Ph.D.	Head Bacteriologist, St. Louis City Hospital
Saxton, John Albion, Jr., A.B.	Barnes Hospital
Schmeckebier, Mary Mable, B.S.	Hospital for Children, San Francisco, Calif.
Schrick, Edna Watt, A.B. (Cum Laude)	New Haven Hospital, New Haven, Conn.
Schureman, Oliver Perry, Jr., B.S.	Los Angeles County General Hospital, Los Angeles, Calif.
Shirley, Katherine Ophelia, A.B. (Cum Laude)	Assistant, Department of Medicine
Shwartz, Samuel, A.B., A.M.	Jewish Hospital, Brooklyn, N. Y.
Simon, Edward John, A.B., B.S.	Beth Israel Hospital, Newark, N. J.
Siever, Abraham Joshua, B.S.	St. Francis Hospital, Colorado Springs, Colo.
Smith, John Russell, A.B., A.M.	Barnes Hospital
Stindel, Charles Ernst, Jr., A.B.	Lutheran Hospital
Stone, Gordon Earl, B.S.	University Hospitals, Iowa City, Iowa
Talbott, Charles Hudson, A.B.	Missouri Baptist Hospital
Telfer, James Gavin	Gorgas Hospital, Ancon, Panama Canal Zone
Thomas, Leon Benda, A.B., M.S.	Missouri Baptist Hospital
Tormey, Thomas William, Jr., B.S.	Barnes Hospital
Tyner, James Robert, B.S.	Wesley Hospital, Wichita, Kansas
Westphal, Corinne, A.B., A.M.	University Hospitals, Iowa City, Iowa
Williams, Robert Norman, A.B.	California Hospital, Los Angeles, Calif.
Wilson, Keith Singleton, A.B.	Barnes Hospital
	Total, 91

The degree of Bachelor of Science in Medical Science was conferred upon the following, June 12, 1934:

NAME	
Aff, Helen Margaret	St. Louis, Mo.
Barlow, Ralph Newton	North Little Rock, Ark.
Burford, Edgar Humber	St. Louis, Mo.
Friedman, David	Madison, Ill.
Goldenberg, Max	East St. Louis, Ill.
Jekel, Louis Glanz	Kirkwood, Mo.
Lloyd, Leo Walter	Palisades, Colo.
Schmeckebier, Mary Mable	Kirkwood, Mo.
Schureman, Oliver Perry, Jr.	South Pasadena, Cal.
	Total, 9

## PRIZES AWARDED AT COMMENCEMENT

June 12, 1934

### GILL PRIZE IN PEDIATRICS

Dorothy Jeannette Jones, A.B.

Paul Oonk Hageman, A.B.

### GILL PRIZE IN ANATOMY

Eldred LaMonte Gann, B.S., M.S.

### ALPHA OMEGA ALPHA PRIZE

Maurice Norman Orgel, B.S., A.M.



HISTORICAL STATEMENT<sup>1</sup>

On the 22nd of February, 1853, at the instance of Wayman Crow, Esq., a member of the State Senate, the Legislature of Missouri granted a charter to an educational institution to be located in the city of St. Louis, and to bear the name ELIOT SEMINARY, in honor of the Rev. William G. Eliot, of St. Louis.

The charter was to be perpetual, and no limitations were imposed, excepting those which forbade any sectarian or partisan instruction. The first meeting of the Corporation named in the charter of incorporation was held on the 22nd of February, 1854. In deference to the wishes of the Rev. Dr. Eliot, the name of the institution was changed. Since the charter had been granted on the 22nd of February, the birthday of Washington, and since the meeting of the Corporation for organization had also occurred on this same anniversary, the name of the institution was changed from Eliot Seminary to WASHINGTON INSTITUTE, which in 1857 became, by a change in the charter, WASHINGTON UNIVERSITY. It seemed to the founders that the name was significant of the character of the institution which they sought to found. The first Board of Directors was composed of seventeen well-known public spirited citizens of St. Louis, who were named in the charter, and who were given the power to fill vacancies in their number caused by death or resignation.

The St. Louis Medical College, founded in 1842, was admitted as a department of Washington University in 1891. In 1899 the Missouri Medical College, which had been founded in 1840, was united with the St. Louis Medical College to form the Medical School of Washington University.

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

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<sup>1</sup> For a complete historical statement of all departments of the University, see catalogue of the College of Liberal Arts.

with this staff clinical instructors chosen from the medical profession of St. Louis.

In 1914 the Washington University School of Medicine moved from its old location on the corner of Eighteenth and Locust Streets to the new buildings facing Forest Park on the corner of Kingshighway Boulevard and Euclid Avenue. The three buildings of the School of Medicine form a part of a medical group, which includes in addition the Barnes Hospital, the St. Louis Children's Hospital, the St. Louis Maternity Hospital, the McMillan Eye, Ear, Nose and Throat Hospital, the Oscar Johnson Research Institute, and the Edward Mallinckrodt Institute of Radiology. The McMillan Eye, Ear, Nose and Throat Hospital, the Oscar Johnson Institute and the Edward Mallinckrodt Institute of Radiology are owned by the University. The Barnes Hospital, the St. Louis Children's Hospital and the St. Louis Maternity Hospital have entered into an affiliation with the School of Medicine by which the Faculty of the School of Medicine constitutes the medical staffs and supplies laboratory service. The hospitals permit the School of Medicine to use their wards for teaching and investigation.

#### CLINICAL FACILITIES

The affiliation of the Barnes Hospital, the St. Louis Children's Hospital, the St. Louis Maternity Hospital, the McMillan Eye, Ear, Nose and Throat Hospital, and the Oscar Johnson Institute, with the 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 Clinics conducted by the University, which serve as the Out-Patient Department of the hospitals. This assures to the student unusual advantages in clinical work. The attending staffs of the University Hospitals consist of the heads of the University Departments of Medicine, Surgery, Obstetrics and Gynecology, Pediatrics, Ophthalmology, and Oto-Laryngology, with their associates and assistants.

Free and pay patients may be admitted to all of the hospitals in the University group, 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 the 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 Washington University School of Medicine has assumed the responsibility for the professional care of one-third of the patients in the two general hospitals conducted by the City of St. Louis. From 350 to 450 additional beds are thus made available.

The Washington University Clinics function as the out-patient departments of all the hospitals in the University group. The Clinics are housed in the basement and first floors of one of the medical school buildings and of the McMillan Hospital. The Heads of the clinical departments in the School of Medicine direct the corresponding departments in the Clinics.

#### LIBRARY OF THE SCHOOL OF MEDICINE

The Library is housed in one of the buildings of the School of Medicine and contains approximately 50,000 bound volumes and receives about 500 of the most important medical periodicals. The Library has been enriched by the acquisition of a number of private collections on medical history and on the various branches of clinical medicine.

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.



## REQUIREMENTS FOR ADMISSION TO SCHOOL OF MEDICINE

The first-year class is limited to eighty-two students. Since the number of applicants considerably exceeds the number who can be accommodated, those applicants are selected for acceptance who, on the basis of scholarship and other qualities, appear best fitted to take up the study of medicine. Applications for admission should be filed at as early a date as possible, and under all circumstances before June 10th of the year during which admission is sought. Applicants will be required to take the aptitude test of the Association of American Medical Colleges, except where specifically excused by the school. An applicant acceptable to the faculty is required to make a deposit of fifty dollars, which shall be in the hands of the Registrar within two weeks after notification of acceptance. This deposit of fifty dollars will be applied toward the first payment of tuition, and will not be returnable.

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

Students may be admitted to the first year class on compliance with the following requirements:

(1) The completion of college courses equivalent or approximately equivalent to those given in leading colleges or universities, leading to a Bachelor's degree. The college work must have included not less than the equivalent of 6 semester hours of English, 10 of German or French,<sup>1</sup> 15 of Chemistry (including elementary quantitative analysis and 4 in organic), 8 of General Physics and 8 of Zoölogy.

(2) *A limited number of applicants who have completed less than four years of work in an acceptable college may be admitted if they show exceptional aptitude for the study of medicine.*

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<sup>1</sup> 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.

Students accepted on this basis who present a total of not less than 90 semester hours, may receive the degree of Bachelor of Science in Medical Science after satisfactory completion of all required courses of the first and second years in the School of Medicine, and after the satisfactory conduct of an investigation in one of the medical sciences, and the preparation of an acceptable thesis which must be presented to the head of the department concerned by May 1st of the year the student is a candidate for the degree. Compliance with the last requirements for this degree will not usually be attained before the end of the third or fourth year.

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

**ENGLISH.** One year of English covering composition and rhetoric.

**GERMAN OR FRENCH.** It is highly desirable, if not essential, that students of medicine have such acquaintance with French and German as to enable them to read medical and scientific publications in these languages. Courses extending through two years are usually necessary to acquire a reading knowledge of either language.

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

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

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

#### ELECTIVE COURSES

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

Chemistry has the greatest number of applications and students will therefore find it to their advantage, wherever pos-

sible, to add other courses in chemistry, particularly physical chemistry, to those previously mentioned.

Mathematics should be included as early as possible among the courses selected because it furnishes concepts fundamental to the other sciences. The necessary mathematical experience can be gained in a college course in mathematical analysis, supplemented by one in the elementary principles of the calculus.

Courses in psychology, general physiology, and general bacteriology will prove useful, but in general it is advised that the college period be devoted to the basic sciences and to the humanities. Those preparing to enter the medical profession should possess a liberal culture such as is gained from a thorough acquaintance with English literature and from a knowledge of history, the social sciences, and the classics. Special effort should be directed toward the acquirement of facility in English composition.

*Formal application blanks will be furnished upon request. After supplying all information called for therein, the applicant should return the blanks and, in addition, should request the college which he has attended to send directly to the Registrar a statement of honorable dismissal, and complete official transcripts of high school and college credits, including the names and dates of all courses in which he has been enrolled, with the grades and credit received in each course. To aid in judging the fitness of an applicant, personal letters to the Dean from the student's science instructors, giving estimates of his ability, character, and personality, should also be submitted.*

#### ADMISSION TO ADVANCED STANDING

Applications for advanced standing will be considered only insofar as there are vacancies in the advanced classes. Applications for advanced standing should be filed at as early a date as possible, and under all circumstances before June 10 of the year during which admission is sought. Only those students who have unconditional standing in the medical schools from which they seek to be accredited will be accepted for admission to advanced classes. An applicant acceptable to the faculty is required to make a deposit of fifty dollars, which shall be in the hands of the Registrar within two weeks after notification of acceptance. This deposit of fifty dollars will be applied toward the first payment of tuition, and will not be returnable.

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, physiology, bacteriology, clinical chemistry and microscopy, 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 concerning which full information will be given upon request. (See page 74.)

### STANDING AND PROMOTION

To enter any course, the student must have fulfilled the prerequisites 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, medicine, 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.

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

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

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

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. A weighted average in any one year of less than 75 ordinarily will be regarded as indicative of unsatisfactory work. The registration of a student may be canceled at any time, if in the opinion of the University authorities his further attendance is deemed undesirable. In that case a pro rata refund of the tuition will be made.

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

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

Internships in the hospitals affiliated with Washington University are available to those having had a consistently high record throughout the medical course. Appointments are made by the Intern Committee of the School during the month of December, each year.



## PRIZES

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

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

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

A prize is offered by the Alpha Omega Alpha Fraternity, to be awarded at the end of the fourth year to the member of that class who shall have made the highest general average for the entire medical course.

FELLOWSHIPS, STUDENT ASSISTANTSHIPS,  
AND SCHOLARSHIPS

A SURGICAL FELLOWSHIP has been established in the Department of Surgery for special neurological work. The income of this fellowship is \$1,200.00 per year. Candidates for this fellowship must be graduates in medicine. Applicants who have had one year's internship are preferred.

STUDENT ASSISTANTSHIPS are open in a number of departments in the school. Information concerning these can be obtained from the heads of the departments concerned.

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

THE ALUMNI SCHOLARSHIP AWARD of \$100.00 to be applied on the payment of the tuition fee is given for excellence in work during the scholastic year on the recommendation of the Committee on Loans and Scholarships of the School of Medicine and the President of the Medical Alumni Association. Applications should be filed with the Dean.

The DR. JOHN B. SHAPLEIGH SCHOLARSHIP. Through the bequest of the late Dr. John B. Shapleigh, supplemented by contributions of Mrs. John B. Shapleigh and Miss Margaret Shapleigh, the annual income from \$8,000.00 is used to pay the tuition of students who may be in need of assistance while attending the Washington University School of Medicine. The selection of the students to receive the benefit of such sum and

the amount awarded such students are determined by the Chancellor of the University on the recommendation of the Dean and the Executive Faculty of the School of Medicine. Applications should be filed with the Dean.

**THE JACKSON JOHNSON FUND.** Under the will of the late Jackson Johnson the sum of \$250,000.00 was donated to the School of Medicine, the income of which is to be used to aid worthy and desirable students in acquiring and completing their medical education. Loans are available to certain students in the upper three classes of the medical school who are considered deserving of loans on the basis of financial need, scholastic attainment and character. The loans are granted by the Chancellor on the recommendation of the Committee on Loans and Scholarships and the Dean of the School of Medicine.

**The ELIZA MCMILLAN STUDENT AID FUND.** From the bequest of the late Mrs. Eliza McMillan, the annual income on \$7,000.00 provides a scholarship for a deserving woman student in the School of Medicine. Application is made to the Dean of the School of Medicine. The award is made by the Chancellor.

**The WASHINGTON UNIVERSITY MEDICAL ALUMNI ASSOCIATION LOAN FUND.** The Washington University Medical Alumni Association has a loan fund and awards are made to worthy medical students upon application to the Chairman of the Committee on Loans and Scholarships of the School of Medicine or to the President of the Medical Alumni Association.

**The T. GRISWOLD COMSTOCK SCHOLARSHIPS.** Through the bequest of the late Mrs. Marilla E. Comstock, the annual income from \$12,000.00 is used for two scholarships for students who otherwise would be unable to obtain a good medical education and who desire and intend to follow the practice of medicine and surgery. Application is made to the Dean of the School of Medicine. Awards are made by the Chancellor.

#### REGISTRATION

Registration for the first half year, 1935-36, is scheduled for Tuesday, September 24, and Wednesday, September 25, 1935; for the second half year, Monday, February 3, and Tuesday, February 4, 1936. Hours for registration are 9 to 11:30 and 2 to 5 daily.

Previously matriculated students who fail to register on

any of the days set aside for that purpose will be charged a fee of \$3.00.

#### FEES AND EXPENSES

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

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

Checks should be made payable to Washington University.

#### MATRICULATION FEE

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

#### TUITION FEE

The tuition fee is \$400.00, payable in two equal instalments, at the beginning of the first and second half years.

Students taking less than full work are charged \$50.00 for the first one hundred hours or less of work. Students taking more than one hundred hours of work pay \$40.00 for each additional hundred hours.

#### BREAKAGE DEPOSIT

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

#### UNIVERSITY HEALTH SERVICE

A fee of \$4.00 annually is charged each student for medical health service.

#### STUDENT ACTIVITIES FEE

A fee of \$10.00 a year, payable in two instalments, one at the beginning of each semester, is collected from each student



enrolled in the School of Medicine. This fee, which is for the support of athletics and several other student activities, is under the control of the Board of Student Finances, and provides free admission to all athletic events and participation in certain other student activities. Students who have a Bachelor's degree are exempt from payment of the fee, but are given the privilege of paying it on the same basis as other students.

DIPLOMA FEE

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

MICROSCOPES AND DIAGNOSTIC INSTRUMENTS

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

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

It is suggested that supplies and books be purchased at the school book store.

ESTIMATE OF EXPENSES

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

Tuition . . . . .	\$400.00
Breakage Deposit . . . . .	10.00
Matriculation Fee (payable once) . . . . .	5.00
Health Service Fee . . . . .	4.00
Books and Instruments . . . . .	\$ 50.00 to 100.00 <sup>1</sup>
Room and Board (from \$6.00 to \$15.00 a week) . . . . .	210.00 to 500.00

Total, excluding clothes and incidentals. . \$679.00 to \$1,019.00

MEN'S DORMITORY OF THE SCHOOL OF MEDICINE

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.

<sup>1</sup> This figure does not include microscope.

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 \$106.00 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 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 p. 36, the student on entering the School must have 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 of 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 two distinct periods.

The first period includes the first and second years. During this time the student studies the fundamental sciences of anatomy, biological chemistry, physiology, bacteriology, pathology, and pharmacology. For this first period, the 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 during the remainder of the year the major portions of the courses in pharmacology and pathology are given, and physical diagnosis, medical observation, clinical chemistry and microscopy, and surgical technic are introduced, in preparation for the clinical work of the second period.

The second period, extending through the last two years, 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 six to eight 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 in the wards of medicine, surgery, and obstetrics and pediatrics, respectively. During the second period courses are given in neurological pathology, surgical and gynecological pathology, and operative surgery on animals. Special emphasis is placed upon diagnosis and treatment of patients. There are few purely didactic 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.

In addition to the prescribed studies, the student may acquire during the course of the four years credit for three hundred hours in elective work. This credit may be acquired at



any time, but the schedule of the fourth year is so arranged as to make its acquisition possible without undue crowding during that year. Students may devote this time to clinical courses in the out-patient department or avail themselves of the opportunity to further any special interests they may have in any one of the fundamental sciences or clinical subjects. For detailed statements of elective courses, see page 88.

With the approval of the head of the department concerned, a limited number of well qualified students may be allowed to complete their clinical clerkships, work in the clinics, or other elective work during the summer months. Students are encouraged to make use of the opportunities offered during the summer months which are equal to those of the school year.

## SUMMARY OF THE MEDICAL CURRICULUM, 1934-35

FIRST YEAR		SECOND YEAR	
SUBJECT	HOURS	SUBJECT	HOURS
Dissection .....	395	Physiology .....	184
Histology .....	201	Bacteriology .....	168
Neuroanatomy .....	100	Immunology .....	44
Biological Chemistry..	264	Pathology .....	311
Physiology .....	64	Pharmacology .....	110
.....	.....	Medicine .....	209
.....	.....	Surgery .....	55
.....	.....	.....	.....
Total .....	1024	Total .....	1081
THIRD YEAR		FOURTH YEAR	
SUBJECT	HOURS	SUBJECT	HOURS
Pathology .....	55	Pathology .....	22
Medicine .....	231	Medicine .....	297
Neur. & Psychiatry ..	110	Neurology .....	55
Dermatology .....	11	Surgery .....	231
Surgery .....	291	Ostetrics and	
Obstetrics and		Gynecology .....	154 <sup>1</sup>
Gynecology .....	110	Pediatrics .....	66
Ophthalmology .....	11	Ophthalmoscopy .....	12
Oto-Laryngology .....	22	Electives .....	300
Pediatrics .....	88	Military Science .....	(33)
Pharmacology .....	22	Total excluding	
Public Health .....	33	M. S. & T. ....	1137
Medical			
Jurisprudence .....	11		
Stomatology .....	11		
Anatomy .....	22		
.....	.....		
Total .....	1028		

<sup>1</sup> In addition, each student is required to attend twelve deliveries.

## COURSES OF INSTRUCTION

## ANATOMY

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

PROFESSORS TERRY, COWDRY; ASSOCIATE PROFESSORS TROTTER, GORDON H. SCOTT, O'LEARY; ASSISTANT PROFESSOR GEORGE D. WILLIAMS;  
INSTRUCTORS SLOCUMB, LUCAS, SEIB, CHARLES; STUDENT ASSISTANT RECTOR; RESEARCH FELLOW COLES

## FIRST YEAR

1. 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 integuments; muscles, joints, and skeleton; the viscera; the vascular system and peripheral nerves; sense organs. Lectures, demonstrations, and recitations serving to emphasize and correlate the observations made in the laboratory follow the practical work. Dissection 12 hours a week in the first trimester; 9 hours in the second and third. Lectures twice a week throughout the year. 395 hours.

(Professor Terry, Professor Trotter, Professor Williams, Dr. Seib)

2. HISTOLOGY. A laboratory course occupying five mornings a week during the first semester. The skin is first studied as a protective investment and a mechanism of adjustment between the delicate tissues beneath and the environment. The respiratory, digestive, supportive, and muscular tissues are then considered. Emphasis is finally placed upon the blood, the organs of internal secretion, and the reproductive systems. There are two lectures a week and many informal discussions in the laboratories. Each student is provided with a loan collection of selected preparations; but experiments are made whenever possible and much time is devoted to the examination of living cells in different stages of functional activity. 201 hours.

(Professor Cowdry, Professor Scott, Professor O'Leary)

3. NEUROLOGY. A laboratory course occupying six mornings a week during the first half of the second trimester. Following a short survey of the development of the nervous system, the gross and microscopic anatomy of the brain and



spinal cord are studied, placing particular emphasis upon the functional significance of the parts. Gross dissections are carried out upon sheep and human brains, and each student is provided with a loan collection of cell and fiber preparations through selected regions of brain and cord. Two weekly lectures are devoted to topics not easily accessible to the student; and discussions precede the daily laboratory work. 100 hours.

(Professor O'Leary, Professor Cowdry, Professor Scott)

#### THIRD YEAR

4. **ANATOMICAL DEMONSTRATIONS.** This course provides a review of regions and structures at the time when students are entering upon their clinical work and is intended to stimulate using their preclinical foundation in this work. Demonstrations two hours a week during the second trimester. 22 hours.

(Professor Terry)

#### ELECTIVE COURSES

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

6. *Advanced Study and Research in Anatomy.* Opportunity is offered undergraduates and graduates in medicine for advanced laboratory study of selected topics. Investigation in anatomy may be carried on both in the School of Medicine and in the School of Graduate Studies. Hours to be arranged.

(Professor Terry, Professor Trotter, Professor Williams)

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

8. *Research.* Properly qualified students will be given opportunity to carry on investigations in the fields of Histology, Cytology, Embryology, and Neurology.

10. *Graduate Courses in Anatomy and in Cytology, including the seminar.* See Bulletin of Washington University School of Graduate Studies.

## BIOLOGICAL CHEMISTRY

PROFESSOR SHAFFER; ASSISTANT PROFESSORS ETHEL RONZONI BISHOP,  
URBAN; INSTRUCTORS FREIBERG, PREISLER

## FIRST YEAR

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 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. Each student prepares a thesis upon a selected topic from original sources in the literature. 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 81 hours, laboratory 183 hours.

(Professor Shaffer, Professor Ronzoni-Bishop,  
Professor Urban, Dr. Preisler)

## ELECTIVE COURSES

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

(4b) *Methods of Analysis.* (Professor Schaffer)

(4c) *Respiratory Metabolism.*

(Professor Ronzoni-Bishop)

(4d) *Physical Chemistry, as applied to biology.*

(Professor Urban)

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

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

## PHYSIOLOGY

PROFESSOR ERLANGER; ASSOCIATE PROFESSORS H. LESTER WHITE,  
GILSON; INSTRUCTORS PEUGNET, EDGAR A. BLAIR

## FIRST AND SECOND YEARS

2. PHYSIOLOGY. Lectures. This course is designed especially to meet the needs of students of medicine, but is open to properly prepared graduate students. 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 phases 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 graduate students 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. 110 hours.

(Professor Erlanger, Professor White, Professor Gilson)

## 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. 138 hours.

(Professor Erlanger, Professor White, Professor Gilson  
Dr. Peugnet, Mr. Blair)

#### ELECTIVE COURSES

4. *Demonstration Methods.* This course is designed primarily for students preparing to teach physiology, and who may desire a wider experience in experimental physiology than can be gained in 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, Pharmacology, and Physiology, discusses papers of physiological interest appearing in the current journals. This course is open to properly prepared students only. Once a week throughout the year.

#### BACTERIOLOGY AND IMMUNOLOGY

PROFESSOR BRONFENBRENNER; ASSISTANT PROFESSOR DONALD HETLER;  
INSTRUCTORS BURDON, VARNEY; ASSISTANTS SILVERGLADE, MEHRTEN,  
HERSHEY; STUDENT ASSISTANT GILL

#### SECOND YEAR

1. BACTERIOLOGY. Lectures and Laboratory. This course embraces a survey of the field of bacteriology from the biological point of view. The metabolism of bacteria and its relation to toxin production and infection is given special attention.

In the laboratory the methods of morphological and cultural recognition of bacteria are emphasized. Fifteen hours a week the first trimester. 168 hours.

(Professor Bronfenbrenner, Professor Hetler,  
Dr. Burdon, Dr. Varney)

2. INFECTION AND IMMUNITY. Lectures on the mechanism of infection and immunity. The changes which occur in blood as the result of immunization will be studied in the laboratory. One lecture and three hours of laboratory work each week during the second trimester. 44 hours.

(Professor Bronfenbrenner, Professor Hetler,  
Dr. Burdon, Dr. Varney)

#### ELECTIVE COURSE

*Research.* The facilities of the laboratory are open to those properly qualified for research in Bacteriology and Immunology.  
(Professor Bronfenbrenner and Staff)

### PUBLIC HEALTH

PROFESSOR BRONFENBRENNER; ASSISTANT PROFESSOR DONALD HETLER;  
INSTRUCTORS BURDON, VARNEY, TSUCHIYA; LECTURERS BLEYER, WILLETT

#### THIRD YEAR

1. PUBLIC HEALTH. Lectures upon the modes of transmission and prevention of infectious diseases, personal hygiene, sanitation, and other subjects bearing upon the maintenance of public health are given once a week during the first trimester and twice a week during the second trimester. 33 hours.  
(Professor Bronfenbrenner and Staff)

#### ELECTIVE COURSE

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

(Professor Hetler, Dr. Varney)

### PATHOLOGY

EDWARD MALINCKRODT PROFESSOR LOEB; ASSOCIATE PROFESSOR  
MCCORDOCK; ASSISTANT PROFESSORS SIEBERT, MARGARET G.  
SMITH; INSTRUCTORS THURSTON, ELIZABETH MOORE<sup>1</sup>;  
LECTURER POTE; ASSISTANTS KUNKEL, ORGEL,  
SAXTON; STUDENT ASSISTANT ALLEN  
ESCHENBRENNER

#### SECOND YEAR

1. PATHOLOGY. Prerequisite courses for pathology are represented by the required work in anatomy, biological chem-

<sup>1</sup> Resigned September 1, 1935.

istry and bacteriology. Students in the School of Graduate Studies 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, discussion of recent literature, 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. Pathological histology will be studied by means of sections specially prepared 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. 256 hours. (Professor Loeb, Professor McCordock, Professor Siebert, Professor Smith)

(b) RECITATIONS. The work of each week is reviewed by recitations, in which effort is made to determine how accurately the student has grasped the subjects studied in the laboratory. Two hours a week in the second trimester and one hour a week in the third trimester. 33 hours.

(Professor Loeb and Staff)

(c) CONDUCT OF AUTOPSIES. Students are instructed in the methods of postmortem examination, and in small groups attend autopsies, participate in the microscopic study of the specimens and prepare records of the autopsies.

(Professor Loeb, Professor McCordock, Professor Siebert, Professor Smith)

#### SECOND AND THIRD YEARS

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



two hours once a week during the first trimester of the third year. 44 hours.

(Professor McCordock, Professor Siebert, Professor Smith)

#### THIRD AND FOURTH YEARS

2. 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. 55 hours.

(Professor McCordock, Professor Siebert, Professor Smith)

#### ELECTIVE COURSES

3. *Research*. The laboratory offers facilities for research in pathology. Specialists and students with adequate training who desire to extend their knowledge of pathology will be admitted.

(Professor Loeb)

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

(Professor Loeb)

### THE EDWARD MALLINCKRODT DEPARTMENT OF PHARMACOLOGY

PROFESSOR CARL F. CORI; ASSISTANT PROFESSOR HELEN TREDWAY GRAHAM; INSTRUCTOR ROBERT E. FISHER; STUDENT ASSISTANT STEINER; RESEARCH FELLOW GERTY T. CORI

#### SECOND AND THIRD YEARS

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, Anatomy, Biological Chemistry, and Physiology 2 and 3. Courses (a) and (b) are

required of medical students, but course (a) may be taken alone by special students. Four hours a week during the second trimester of the second year and two hours a week during the second trimester of the third year. 66 hours.

(Professor Cori, Professor Graham)

(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. Six hours a week during the second trimester of the second year. 66 hours.

(Professor Cori, Professor Graham)

#### ELECTIVE COURSES

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

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

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

THE JOHN T. MILLIKEN DEPARTMENT OF  
MEDICINE

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

BUSCH PROFESSOR BARR; PROFESSOR ALBERT E. TAUSSIG; ASSOCIATE PROFESSORS ELMER, ALEXANDER, SINGER, OLMSTED, LUTEN, LARIMORE; ASSISTANT PROFESSORS EWERHARDT, BULGER, LAWRENCE, THOMPSON, MUCKENFUSS, KOUNTZ; INSTRUCTORS BAUMGARTEN, COOK, SALE, LOUIS H. HEMPELMANN, FISCHER, GORHAM, EYERMANN, STRAUSS, GRANT, CAMPBELL, CADY, ALFRED GOLDMAN, LIGGETT, DUDEN, JENSEN, BREDECK, ANDREWS, DAY, HEIDEMAN, RUSK, STROUD, AITKEN, JEAN, MACBRYDE, FINDLEY<sup>1</sup>, BROMBERG<sup>2</sup>; ASSISTANTS LUTON, GAY, ABEL, BECKE, COHEN, SENTURIA, WIESE, RICHMAN GILLILAND, GLASSBERG, GLAZE, MEHRTEN, MILTON SMITH, LEE B. HARRISON, SCHREGARDUS, BARGER, CANNADY, GOTTLIEB, MILLER, NEWMAN, PLUMPE, SHIRLEY, SKILLING, JEFFREYS, SEIBEL, VAN RAVENSWAAY<sup>3</sup>, HENDERLITE<sup>1</sup>; STUDENT ASSISTANTS RAY D. WILLIAMS, HOAGLAND

SECOND YEAR

1. ELEMENTARY MEDICINE. (Introductory Clinic.) The observation and interpretation of symptoms and signs in ward and clinic patients with special reference to pathological physiology and anatomy and their relation to diagnosis. Two hours a week during the second and third trimesters. 44 hours.

(Professor Barr, Professor Schwab, Professor Bulger, Dr. Jensen, Dr. MacBryde)

2. 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. Four hours a week during the second trimester. 44 hours.

(Professor Elmer and Assistants)

3. ABNORMAL PHYSICAL DIAGNOSIS. Lectures, demonstrations, and practical exercises in the technique of physical examination of the patient. Three hours a week during the third trimester. 33 hours. (Dr. Aitken and Assistants)

4. 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, faeces and puncture fluids. Material is obtained from cases in the hospital and clinics. Considerable

<sup>1</sup> Effective January 1, 1935.

<sup>2</sup> Effective May 1, 1935.

<sup>3</sup> Effective September 1, 1935.



reading is required outside of laboratory hours. Eight hours a week during the third trimester of the second year. 88 hours. (Professor Thompson, Dr. Bredeck, and Assistants)

#### THIRD YEAR

6. MEDICINE. One-third of the junior class is assigned to the Department of Medicine during each trimester. This group is subdivided into three parts, two of which are assigned to the wards of Barnes Hospital where they are given practice and instruction in history taking, physical examination and elementary diagnosis. One day each week, there is also special instruction in metabolic diseases, in cardiology and in infectious diseases at the City Isolation Hospital. The third part of the group is assigned to the Clinics where the students take an active part, under strict supervision, in the laboratory work. Rotation is arranged so that each student has experience in all services. Two hours five days a week for one trimester. 110 hours. (Professor Barr and Staff)

7. THERAPEUTICS. A course designed to give students a general survey of the methods and the principal agencies employed in the treatment of disease. One hour a week during the second trimester. 11 hours.

(Professor Barr, Professor Ewerhardt)

8. DIETETICS. Lectures and recitations upon foods, beverages and condiments in health and disease. One hour a week during the second and third trimesters. 22 hours.

(Professor Olmsted)

9. MEDICINE RECITATION. The class is divided into groups for discussion and recitation upon reading assigned in a textbook of medicine. Special emphasis is placed upon therapeutics and the principal instruction in special treatment of separate diseases is given in this course. Two hours a week throughout the year. 66 hours.

(Dr. Grant, Dr. Goldman)

10 (c). MEDICINE. 33 hours. (See under Fourth Year.)

#### FOURTH YEAR

10. MEDICINE. The course is subdivided as follows:

(a) One-third of the senior class is assigned to the Department of Medicine during each trimester. This group is subdivided into three parts, one of which is assigned to the wards

in Barnes Hospital and two are assigned to the Clinics. Rotation is arranged so that each student has experience in all services.

The students in the clinics act as physicians under the supervision of consultants who review with them the cases which they have investigated. The work is so arranged that each student will serve in the clinic for general medicine and in at least one medical specialty. Attendance is required of the clinic groups during the entire morning six days a week; afternoons are free for electives. The students assigned to the Ward act as clinical clerks. With the exception of the noon clinics, their entire day is spent in the wards and their duties differ little from those of Junior internes. They are assigned cases for complete work-up and study. Their patients are examined in ward rounds. The work of the section is criticised and methods of diagnosis and treatment are discussed and special reading is assigned. The specimens from autopsied patients are studied with reference to clinical history and the gross and microscopic anatomy. Each student in this course is required to present one term paper complete and ready for publication, if so desired, upon a subject selected by himself. 231 hours.

(Professor Barr, Professor Alexander and Staff)

(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 are discussed from various points of view. Once a week for one year. 33 hours.

(Professor Barr, Professor Alexander, Professor Taussig)

(c) A weekly clinic in which a series of subjects, such as gastro-intestinal diseases, arterial hypertension, disturbances of internal secretions, pulmonary tuberculosis, and the mechanism of the heart beat are presented. Therapy of the conditions presented is particularly emphasized. 33 hours.

(Professor Smith, Professor Olmsted, Professor Singer,  
Professor Luten, Professor Larimore)

(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 2.)

## ELECTIVE COURSES

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 arrangement.  
(Professor Larimore)

14. *Diagnosis and Treatment of Heart Disease.* A practical course in the diagnosis and treatment of cardiac disorders with special emphasis on clinical methods. Electrocardiography and Roentgenology will be considered in their relation to clinical cardiology. Open to a limited number of students. Hours by arrangement.  
(Dr. Strauss and Staff)

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

16. *Diagnosis and Treatment of Thoracic Diseases.* Course consists of a special study of obscure thoracic conditions; the use of pneumothorax, lipiodol, postural drainage and fluoroscopy. Especial attention given to the diagnosis of surgical diseases of the chest. Course open to limited number of students.  
(Professor Singer, Dr. Goldman)

## NEUROLOGY AND PSYCHIATRY

PROFESSOR SIDNEY I. SCHWAB; ASSISTANT PROFESSOR JONES; INSTRUCTORS CARR, KUBITSCHK, BECKMANN, SATTERFIELD; ASSISTANTS LEWALD<sup>1</sup>, KENDALL, TUREEN, ROBERT SCHWAB

## THIRD YEAR

## 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, first and second 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 systems, fibre tracts, etc. Exercises in examination and description of microscopic preparations of the more common diseases of the nervous system. Two hours a week, first trimester. 22 hours.

(Dr. Tureen, Dr. Schwab)

<sup>1</sup> Resigned August 6, 1934.



(c) Neurological Clinic. The diagnosis and treatment of neuroses from the standpoint of psycho-biology. Case material and clinic patients are used for purposes of discussion. Two hours a week for one trimester. 22 hours.

(Dr. Satterfield)

2. CLINICAL PSYCHIATRY. Psychoses and neurosis are discussed with case presentation at the City Sanitarium. Neuroses are presented in the third trimester using illustrative case histories. Two hours a week during the first and third trimesters. 44 hours.

(Dr. Beckmann)

#### FOURTH YEAR

##### 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, Dr. Carr)

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

(Professor Schwab)

#### ELECTIVE COURSE

5. Correlation of medical and neurological problems with clinical demonstrations and case reports. One hour per week during the third trimester to senior students. 11 hours.

(Dr. Carr)

#### DERMATOLOGY

PROFESSOR MARTIN F. ENGMAN; ASSISTANT PROFESSORS MOOK<sup>1</sup>, WEISS;  
INSTRUCTORS CONRAD, COLEMAN, LANE, MARTIN F. ENGMAN, JR.;  
ASSISTANT ESKELES

#### THIRD YEAR

(a) DERMATOLOGY. A lecture course on diseases of the skin and on syphilis, by which the student is prepared to understand clinical dermatology in the succeeding year. This course is a general survey of the etiology, symptomatology, pathology,

<sup>1</sup> Died November 3, 1934.

and treatment of skin diseases and the history and pathology of syphilis. Third trimester. 11 hours.

(Professor Engman)

#### FOURTH YEAR

(b) *Dermatology*. An elective course, conducted in the Clinics, in which the student examines patients and is instructed in the diagnosis and treatment of diseases of the skin. Ten hours a week for one-third trimester. 34 hours. Other hours by arrangement.

(Professor Engman, Professor Weiss, Dr. Conrad,  
Dr. Coleman)

### THE MARY CULVER DEPARTMENT OF SURGERY

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

BIXBY PROFESSOR EVARTS A. GRAHAM; PROFESSORS SACHS, SEELIG, CAULK, VILRAY P. BLAIR, CLOPTON, KEY; ASSOCIATE PROFESSOR COPHER; ASSISTANT PROFESSORS WILLARD BARTLETT, ARTHUR O. FISHER, STONE, ALLEN, ROSE, COLE, OLCH, ELMAN, HEINBECKER, CREGO, J. BARRETT BROWN; INSTRUCTORS RAINEY, J. EDGAR STEWART, THEODORE P. BROOKES, JOSTES, KLEMME, WOMACK, DEAKIN, SANFORD, WILHELMI, HENRY S. BROOKES, JR., PROBSTEIN; ASSISTANTS AMOS, WALTON, KEYES, ROBERT BARTLETT, BYARS, COMER, PITTMAN, CANNON, DRAYER, FURLOW, RICHARDSON, ROBERT S. SMITH, DANIEL, PATTON, WILSON, CABITT; FELLOWS RUBINSTEIN, SAMUEL R. SNOGRASS, AIRD (BRITISH RESEARCH COUNCIL FELLOW), PARKER (BRITISH RESEARCH COUNCIL FELLOW)

#### SECOND YEAR

1. INTRODUCTION TO SURGERY. A laboratory, demonstration and lecture course in which are studied certain fundamental processes of physiology and pathology as applied to surgery. 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 third trimester. 55 hours.

(Professor Heinbecker)

## THIRD YEAR

2. SURGERY. The course is subdivided as follows:

(a) SURGICAL OUT CLINIC. For one trimester, five times weekly, 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. 110 hours.

(Professor Sachs, Professor Copher, Professor Cole and Others)

(b) SURGICAL RECITATIONS. A weekly discussion during the first and second trimesters on assigned surgical reading. The principles of surgery and many of the more common surgical conditions are considered extensively. Mimeographed outlines are used to guide the student and the standard text books together with selected articles from the recent literature are freely consulted. 22 hours.

(Professor Cole, Professor Elman)

(c) FRACTURES. Demonstrations, conferences, and lectures on the more common fractures. Patients both in the hospitals and in the clinic will be used in this course. One hour weekly during the third 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 Key, Professor Copher and Dr. Stewart)

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

(Professor Fisher and Dr. Womack)

(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, illustrated by patients, are discussed. A weekly exercise during three trimesters. 33 hours.

(Professor Sachs)



(g) GENITO-URINARY SURGERY. Lectures and recitations in genito-urinary surgery. Third trimester. 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 Olch)

#### FOURTH YEAR

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. six days a week. Conferences on selected patients are held from 9 to 10 a. m. General and special surgical cases are discussed by the Chief and members of his staff. 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 do some of the surgical dressings. Students who are especially interested may apply and receive instruction in practical anesthesia. Otherwise the practical instruction in this subject is left to the interne year. The students also attend autopsies performed on the cases studied by them and are required to be present at the weekly pathological conference at which these cases are discussed. (See Pathology 2). One day each week the group spends the period from 9 a. m. to 12 m. at the St. Louis Children's Hospital, where orthopedic cases and general surgical cases are demonstrated. On Friday morning the surgical group attends ward clinics and demonstrations at City Hospital No. 1. 198 hours.

(Professor Graham and Staff)

(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)

6. ORTHOPEDIC SURGERY. Instruction is given at the Barnes Hospital, at the St. Louis Children's Hospital and at the Shriners' Hospital, as described in course 4 (a).

(Professor Key)

#### ELECTIVE COURSES

5. *Genito-Urinary Out Clinic*. Elective course. The student serves as dresser in the Genito-Urinary Out Clinic six

hours a week for one-half trimester under the same conditions as in Course 2. 33 hours. Other hours by arrangement.

(Professor Caulk and Assistants)

9. *Neurological Surgery*. Eleven lectures in the first trimester of the fourth year. The lectures comprise a review of the anatomy and physiology of the nervous system as applied to neuro-surgery and a discussion of the principal conditions encountered in neurological surgery.

(Professor Sachs, Dr. Furlow)

10. *Postoperative Care*. Eleven lectures and demonstrations in the third trimester of the fourth year. Both the normal and complicated postoperative developments are discussed.

(Professor Allen)

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

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

13. *Tumor Clinic*. Approved students may attend, without receiving credit, the weekly staff tumor clinic in the Barnes Hospital.

(Professor Copher)

## RADIOLOGY

PROFESSOR SHERWOOD MOORE; CONSULTING PHYSICIST HUGHES;  
ASSOCIATE PROFESSOR LARIMORE; INSTRUCTORS ZINK, WENDELL  
G. SCOTT, ARNESON<sup>1</sup>

### ELECTIVE COURSE

*Principles of Roentgenology*. A course of lectures and demonstrations for fourth-year students. Three one-hour periods per week for one-half trimester. 16 hours.

(Professor Moore, Dr. Zink)

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<sup>1</sup> Effective January 1, 1935.

## OPHTHALMOLOGY

PROFESSORS LAWRENCE T. POST, SHAHAN, WIENER; ASSOCIATE PROFESSOR WILLIAM F. HARDY<sup>1</sup>; ASSISTANT PROFESSORS WOODRUFF, M. HAYWARD POST, MAX W. JACOBS, SCHWARTZ, LAMB, ALVIS; INSTRUCTORS POOS, JAMES, HILDRETH, BEISBARTH; LECTURER MASON; ASSISTANTS NAPIER, STRUBLE,<sup>2</sup> GUERDAN HARDY, LEO G. DAVIS, HAWKINS, LANGE, MCKINNEY, JOHN W. ESCHENBRENNER<sup>3</sup>

## THIRD YEAR

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

## FOURTH YEAR

2. OPTHALMOSCOPY. Dark-room demonstrations to small groups are given in the fourth year. 12 hours.

(Professor M. H. Post, Dr. Beisbarth)

3. *Elective Course in Clinical Ophthalmology*. Practical instruction in diagnosis and treatment of eye diseases is given to small sections of the class. Ten hours a week for one-third trimester. 34 hours.

(Professor Lawrence Post, Professor Jacobs, Professor Schwartz, Professor Alvis, Dr. Hildreth)

## OTO-LARYNGOLOGY

PROFESSORS DEAN, BUNCH; ASSOCIATE PROFESSORS LYMAN, PROETZ; ASSISTANT PROFESSORS ARBUCKLE, ALDEN, KELLEY, HANSEL, HURN, GUGGENHEIM, McMAHON, BIRSNER; INSTRUCTORS COSTEN, WENNER, CONE, ROSSLENE A. HETLER, WOLFF, VOTAW; LECTURER LORENTE DE NO; ASSISTANTS HANSON, FREIMUTH, GAGE, GLICK, POTTER, BOEMER, BUHRMESTER, NEMOURS, SCHERRER, PFINGSTEN, STUTSMAN, ANNEBERG, BATTLES, CLAIR LINTON, KLOTZ, LLOYD LINTON<sup>4</sup>

## THIRD YEAR

1. LARYNGOLOGY AND RHINOLOGY. Twenty-two lecture hours given during the third trimester. 22 hours.

(Professor Dean and Staff)

## FOURTH YEAR

- Oto-Laryngology*. Elective course. Instruction is given to small sections of the class. Ten hours a week for one-third trimester. 34 hours.

(Professor Dean, Professor Bunch, Professor Lyman, Professor Arbuckle, Professor Proetz, Professor Kelley, Professor Hansel, Dr. Votaw, Dr. Gage, Dr. Potter, Dr. Glick, Dr. Boemer)

<sup>1</sup> On leave of absence.

<sup>2</sup> Resigned February 1, 1935.

<sup>3</sup> Effective January 1, 1935.

<sup>4</sup> Effective February 1, 1935.



## OBSTETRICS AND GYNECOLOGY

PROFESSORS OTTO H. SCHWARZ, FREDERICK J. TAUSSIG, GELLHORN, EHRENFEST; ASSOCIATE PROFESSORS ROYSTON, NEWELL; ASSISTANT PROFESSORS MCNALLEY, O'KEEFE, PADDOCK, KREBS, T. KENNETH BROWN; INSTRUCTORS SCHLOSSSTEIN, VAUGHAN, SPIVY, ROBERT J. CROSSEN, DRABKIN, WEGNER, HOBBS, LIESE, DUDLEY R. SMITH, ARNESON; ASSISTANTS CANEPA, VOGEL, MYRON W. DAVIS, BALAZS, ROBLEE, ARTZ, SOULE, MORRIN, KLEINE, SCRIVNER, O'NEILL, RALPH W. SNODGRASS, TIRRILL, FRANCES H. STEWART, PLANT, WASSERMAN

## THIRD YEAR

## 1. OBSTETRICS AND GYNECOLOGY.

(a) Obstetrics Recitations and Demonstrations. This course consists of recitations and demonstrations based upon assigned reading of a prescribed textbook, and deals with the physiology and pathology of pregnancy, labor, and the puerperium. One hour a week throughout the year. 33 hours.

(Professor Paddock)

(b) Obstetrical and Gynecological Histology and Pathology. This course 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 gynecological and obstetrical pathological 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.

(Professor Schwarz, Dr. Hobbs, Dr. Drabkin)

(c) Clinical Lectures on Selected Gynecological Subjects. One hour a week during the second trimester. 11 hours.

(Dr. R. J. Crossen)

(d) Gynecological and Obstetrical Diagnosis (Clinic). One sub-section (one-sixth of the class) works in the Clinic under supervision and receives instruction in pelvic examination. At the same time the other sub-section (one-sixth of the class) works in the prenatal clinic. Two hours a week for eleven weeks (in sections of one-third of the class). 22 hours.

(Professor O. Schwarz, Professor Brown, Professor Krebs, Dr. D. R. Smith, Dr. Wegner, Dr. Davis, Dr. Hobbs, Dr. Liese, Dr. Soule)

## FOURTH YEAR

## 2. OBSTETRICS AND GYNECOLOGY.

(a) Attendance on Obstetrical Cases. The obstetrical service furnishes more than 1,600 cases (about 1,200 hospital and

about 400 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 fourth year. Twelve cases are required for each student. Students are urged to volunteer for obstetrical out-patient duty during the summer vacation between the third and fourth years, as the required number of cases cannot be obtained during the assigned five and one-half weeks' period.

(Professor O. Schwarz, Professor Brown, Dr. Wegner,  
Dr. Hobbs, Dr. Soule)

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

(Professor O. Schwarz, Professor H. Crossen and  
Associates)

(c) Obstetrical Ward Work. Sections composed of one-sixth of the class act as clinical clerks in the St. Louis Maternity 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.

(Professor O. Schwarz, Professor Taussig, Professor  
McNally, Professor Royston, Professor Gellhorn,  
Professor Ehrenfest, Professor Brown,  
Dr. Wegner)

(d) 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 O. Schwarz, Professor H. Crossen, Professor  
Taussig, Professor Newell, Professor Royston,  
Professor O'Keefe, Dr. R. J. Crossen)

## ELECTIVE COURSES

(a) *Obstetrical Clinic.* An elective course in which a small section of the class receives practical instruction in the prenatal clinic eight hours a week for one-third trimester. 27 hours. Other hours by arrangement. This work can also be taken in the summer months. (Dr. D. R. Smith and Staff)

(b) *Gynecological Clinic.* An elective course in which small sections of the class receive practical instruction in the outpatient clinic. Eight hours a week for one-third trimester. 27 hours. Other hours by arrangement. This work can also be taken in the summer months. (Dr. Hobbs and Staff)

Students are eligible for 3 (a) and 3 (b) after the completion of the Junior year.

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

THE EDWARD MALLINCKRODT DEPARTMENT OF  
PEDIATRICS

PROFESSORS MARRIOTT, VEEDER; ASSOCIATE PROFESSORS COOKE, HARTMANN, THEODORE C. HEMPELMANN; ASSISTANT PROFESSOR McCULLOCH; INSTRUCTORS BLEYER, PARK J. WHITE, ZENTAY, KUBITSCHK, RUPE, BAIN, PERLEY, LAWRENCE GOLDMAN, ORMISTON; ASSISTANTS LONSWAY, COLGATE, ROHLFING, McLOON, DEUTCH, BAUER, FREDERICK A. JACOBS, LONDE, KEITER,<sup>1</sup> STANLEY HARRISON,<sup>2</sup> MACK<sup>3</sup>

## THIRD YEAR

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

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

<sup>1</sup> Resigned February 1, 1935.

<sup>2</sup> Effective November 7, 1934.

<sup>3</sup> Effective February 1, 1935.



children; the contagious diseases. Two hours a week for three trimesters. 66 hours.

(Professor Marriott, Professor Cooke)

#### FOURTH YEAR

3. PEDIATRIC WARD WORK. Examination of assigned cases in the wards of the St. Louis Children's Hospital and the St. Louis Isolation Hospital. Discussion of diagnosis and treatment. Individual instruction in preparation of milk formulas, 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 Veeder, Professor Cooke, Professor Hartmann,  
Professor Hempelmann, Dr. Ormiston, Dr. Bain,  
Dr. Zentay)

4. PEDIATRIC CLINIC. A weekly amphitheater clinic or lecture is held throughout the school year. Demonstration of selected cases from the hospital, clinic, or Child Guidance Clinic. Lectures on Child Psychology and behavior problems. 33 hours.

(Professor Marriott, Dr. Kubitschek)

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 2.)

#### ELECTIVE COURSES

6. (a) *Hospital Clinical Clerkship*. Each student will be assigned cases, have certain responsibilities and his work will be supervised by the resident staff. The assignment will be comparable to a short junior internship and each will be allowed to carry out such technical procedures on his patients as he is deemed capable of performing. 66 hours.

(Professor Hartmann)

(b) *Pediatric Dispensary Clerkship*. Each student in this course will have the opportunity to take histories and examine children with the more common minor illnesses of infancy and childhood under supervision of the Clinic Staff physicians. 66 hours.

(Professor Cooke)

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

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

### TRACHOMA COMMISSION

ASSOCIATE PROFESSOR JULIANELLE (Chairman of the Commission);  
INSTRUCTOR R. WENDELL HARRISON; ASSISTANTS MORRIS, WIEGHARD<sup>1</sup>

A Commission for the study of trachoma and allied diseases has been maintained at Washington University since October, 1930. The scientific work of the Commission is supported by a grant from the Commonwealth Fund. The Commission occupies laboratories in the Oscar Johnson Institute. Its object is to investigate the nature, cause and treatment of trachoma and the differentiation of trachoma from clinically related diseases. The Trachoma Commission enjoys the advantages of close cooperation with the various departments of the Medical School as well as with the U. S. Trachoma Hospital at Rolla, Missouri, which is under the supervision of Dr. C. E. Rice.

### MILITARY SCIENCE AND TACTICS

FLOYD V. KILGORE, M.D., Major M. C., U. S. A.

*Assistant Professor of Military Science and Tactics*

Since enrollment in the Medical Reserve Officers' Training Corps was suspended in 1932, instruction is being given in 1934-35 only to members of the fourth year class who were enrolled in the Medical Unit prior to that date. Upon completion of the course each student will be presented, at graduation, with his choice of a commission as a First Lieutenant, Medical Section, Officers' Reserve Corps, or with a certificate of eligibility for such commission.

<sup>1</sup> Resigned October 1, 1934.

## MISCELLANEOUS COURSES

## MEDICAL JURISPRUDENCE

MEDICAL JURISPRUDENCE. A course given in the third year embracing medical evidence and testimony; expert testimony; dying declarations; rights of medical witnesses; establishing identity from living and dead bodies; sudden death from natural causes and by violence; criminal acts determined by medical knowledge; the legal relation of physician to patients and the public; insanity, and malpractice. 11 hours.

(Mr. James M. Douglas)

## STOMATOLOGY

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

(Dr. Virgil Loeb)

## PHYSICAL THERAPEUTICS

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

## MEDICAL ETHICS AND PROFESSIONAL CONDUCT

MEDICAL ETHICS AND PROFESSIONAL CONDUCT. An elective course consisting of informal discussions during the first trimester of the fourth year. 8 hours. (Dr. Park J. White)

## POST-GRADUATE COURSES

During the year courses in the following subjects are offered to a limited number of registered practitioners of medicine or graduates in medicine who are not registered practitioners:

PEDIATRICS. A four-weeks' course in Infant Feeding and Diseases of Childhood is offered twice a year, in April and October.

OBSTETRICS AND GYNECOLOGY. A four-weeks' course in Obstetrics and Diagnostic Gynecology is offered once a year, beginning in May.



INTERNAL MEDICINE. A two-weeks' review course in Internal Medicine is offered once a year.

SURGERY. A two-weeks' "brushing up" course in Surgery is offered once a year, beginning in April.

OPHTHALMOLOGY AND OTOLARYNGOLOGY. A one-weeks' course in Ophthalmology and Otolaryngology is offered once a year.

OTOLARYNGOLOGY. A four-weeks' intensive course in Diseases of the Ear, Nose and Throat is offered once a year, beginning in June. The following short courses lasting from three to six days are offered also: The Displacement Method of Sinus Diagnosis and Treatment (April); Allergy as Related to Otolaryngology (August); The Surgical Anatomy of Operative Procedures of Otolaryngology (November).

For full information in regard to these courses, address the Dean, Washington University School of Medicine.

## GENERAL SCHEDULES

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE  
 Schedule of First Year. September 26,-December 14, inclusive

1935-36

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
9 to 10	Histology Lectures and Laboratory Anatomy 2					Dissection Anatomy 1	
10 to 11							
11 to 12							
12 to 1						Anatomy Lecture Anatomy 1	
2 to 3							
3 to 4	Dissection Anatomy 1						Dissection Anatomy 1
4 to 5							

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE  
 Schedule of First Year. December 16-February 1, inclusive

1935-36

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Neurology Lectures and Laboratory Anatomy 3					
10 to 11						
11 to 12						
12 to 1			Anatomy Lecture Anatomy 1			Anatomy Lecture Anatomy 1
2 to 3	Dissection Anatomy 1					
3 to 4						
4 to 5						



WASHINGTON UNIVERSITY SCHOOL OF MEDICINE  
 Schedule of First Year. February 3-May 29, inclusive

1935-36

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BULLETIN OF WASHINGTON UNIVERSITY

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 Chem. Lecture Chemistry 3 (½ Class)	Physiology Lecture Physiology 2
10 to 11		Anatomy Lecture Anatomy 1	Biological Chemistry Laboratory  Chemistry 3	Biological Chemistry Laboratory  Chemistry 3	Anatomy Lecture Anatomy 1	Biological Chemistry Lecture Chemistry 3
11 to 12		Physiology Lecture Physiology 2			Physiology Lecture Physiology 2	Biological Chemistry Laboratory
12 to 1		Physiology Lecture Physiology 2			Biological Chem. Lecture Chemistry 3 (½ Class)	Biological Chemistry Laboratory  Chemistry 3
2 to 3	Dissection  Anatomy 1					
3 to 4			Dissection Anatomy 1		Dissection Anatomy 1	
4 to 5						

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1935-36

Schedule of Second Year. First Trimester

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
9 to 10	Bacteriology Laboratory B. and I. 1	Bacteriology Lecture B. and I. 1	Bacteriology Laboratory B. and I. 1	Physiology Conference Physiology 3	Bacteriology Laboratory B. and I. 1	Physiology Lecture Physiology 2	
10 to 11							
11 to 12		Bacteriology Recitation B. and I. 1					
12 to 1	Physiology Lecture Physiology 2	Physiology Lecture Physiology 2	Bacteriology Lecture B. and I. 1	Physiology Laboratory Physiology 3	Physiology Lecture Physiology 2		
2 to 3		Bacteriology Laboratory B. and I. 1			Physiology Laboratory Physiology 3		
3 to 4							
4 to 5							

THE SCHOOL OF MEDICINE

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE  
 Schedule of Second Year. Second Trimester

1935-36

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pathology Laboratory  Pathology 1a	Introductory Clinic Medicine 1	Pathology Laboratory  Pathology 1a	Pharmacology Lecture Pharmacology 1a	Pathology Laboratory  Pathology 1a	Pharmacology Lecture Pharmacology 1a
10 to 11		Infection and Immunity Lecture B. and I. 2		Pharmacology Laboratory  Pharmacology 1b		Introductory Clinic Medicine 1
11 to 12		Pharmacology Lecture Pharmacology 1a		Pathology Recitation Pathology 1b		
12 to 1						
1 to 2			Infection and Immunity Laboratory  B. and I. 2			
2 to 3	Pharmacology Lecture Pharmacology 1a	Pharmacology Laboratory  Pharmacology 1b		Pathology Recitation Pathology 1b		
3 to 4	Physical Diagnosis Medicine 2			Physical Diagnosis Medicine 2		
4 to 5						



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

1935-36

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
9 to 10	Pathology Laboratory  Pathology 1a	Introductory Clinic Medicine 1	Pathology Laboratory  Pathology 1a	Abnormal Physical Diagnosis Medicine 3	Pathology Laboratory  Pathology 1a	Pathology Recitation Pathology 1b	
10 to 11		Clinical Microscopy Medicine 4				Pathology Lecture Pathology 1a	Pathology Lecture Pathology 1a
11 to 12				Clinical Microscopy Medicine 4			
12 to 1						Clinical Microscopy Medicine 4	Clinical Microscopy Medicine 4
2 to 3	Introduction to Surgery Surgery 1	Clinical Microscopy Medicine 4	Clinical Microscopy Medicine 4	Introductory Clinic Medicine 1			
3 to 4					Surgery Clinic Surgery 1	Surgery Clinic Surgery 1	Introduction to Surgery Surgery 1
4 to 5							

THE SCHOOL OF MEDICINE

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

1935-36

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BULLETIN OF WASHINGTON UNIVERSITY

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pediatrics Clinical Confer. Pediatrics 2	Medicine Recitation Medicine 9	Pediatrics Clinical Confer. Pediatrics 2	Medicine Recitation Medicine 9	Obstetrics Recitation Ob. and Gyn. 1a	Neurology Lecture and Neuro- Pathology
10 to 11	Group A Medicine 6 Group B Surgery 2a	Group A Medicine 6 Group B Surgery 2a	Group A Medicine 6 Group B Surgery 2a	Group A Medicine 6 Group B Surgery 2a	Group A Medicine 6 Group B Surgery 2a	
11 to 12	Group C Ob. and Gyn. 1b	Group C $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group C Ob. and Gyn. 1b	Group C $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Psychiatry 2	Neurology 1a and 1b
12 to 1	Surgery Recitation Surgery 2b	Surgery Clinic Surgery 2e		Surgery Confer. Surgery 2f		Medicine Clinic Medicine 10c
2 to 3	Group C Ob. and Gyn. 1d	Gross Pathology Pathology 1d	Surgical Pathology Surgery 3	Public Health B. and I. 3		
3 to 4						
4 to 5	Clinical Patho- logical Confer. Pathology 2					

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

1935-36

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pediatrics Clinical Confer. Pediatrics 2	Medicine Recitation Medicine 9	Pharmacology Lecture Pharmacology 1a	Medicine Recitation Medicine 9	Obstetrics Recitation Ob. and Gyn. 1a	Neurology Lecture Neurology 1a
10 to 11	Group A Ob. and Gyn. 1b	Group A $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group A Ob. and Gyn. 1b	Group A $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group B Medicine 6	Pediatrics Clinical Confer. Pediatrics 2
11 to 12	Group B Medicine 6	Group B Medicine 6	Group B Medicine 6	Group B Medicine 6	Group C Surgery 2a	Therapeutics Medicine 7
	Group C Surgery 2a	Group C Surgery 2a	Group C Surgery 2a	Group C Surgery 2a		
12 to 1	Surgery Recitation Surgery 2b	Surgery Clinic Surgery 2e		Surgery Conference Surgery 2f	Pharmacology Lecture Pharmacology 1a	Medicine Clinic Medicine 10c
2 to 3	Gynecology Lecture Ob. and Gyn. 1c	Public Health B. and I. 3	Surgical Pathology	Group A Ob. and Gyn. 1d		
3 to 4	Dietetics Medicine 8		Surgery 3			
4 to 5	Clinical Patho- logical Confer. Pathology 2	Anatomy 4	Public Health B. and I. 3	Anatomy 4		

THE SCHOOL OF MEDICINE



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

1935-36

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Pediatrics Clinical Confer. Pediatrics 2	Medicine Recitation Medicine 9	Laryn. & Rhin. Lecture Oto-Laryn. 1	Medicine Recitation Medicine 9	Obstetrics Recitation Ob. and Gyn. 1a	Pediatrics Clinical Confer. Pediatrics 2
10 to 11	Group A Surgery 2a	Group A Surgery 2a	Group A Surgery 2a	Group A Surgery 2a	Group A Surgery 2a	Genito-Urinary Surgery Lecture
11 to 12	Group B Ob. and Gyn. 1b	Group B $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group B Ob. and Gyn. 1b	Group B $\frac{1}{2}$ Neurology 1c $\frac{1}{2}$ Pediatrics 1	Group C Medicine 6	Surgery 2g
	Group C Medicine 6	Group C Medicine 6	Group C Medicine 6	Group C Medicine 6	Psychiatry 2	
12 to 1	Fractures Surgery 2c	Surgery Clinic Surgery 2e	Dietetics Medicine 8	Surgery Conference Surgery 2f		Medicine Clinic Medicine 10c
2 to 3	Dermatology Lecture Dermatology a	Laryn. & Rhin. Lecture Oto-Laryn. 1	Operative Surgery Surgery 2d	Group B Ob. and Gyn. 1d	Surgical Pathology Surgery 3	
3 to 4	Ophthalmology Lecture Ophthal. a	Stomatology				
4 to 5	Clinical Pathological Conference Pathology 2		2 Sections $\frac{1}{2}$ trimester each		Medical Jurisprudence	

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1935-36

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

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 12	Medicine 10. Ward Work, Barnes Hospital, or Out Patient Work, Clinics. Neurology 3. Neurological Ward and Out Patient Work.					
12 to 1	Neurology Clinic Neurology 3b	Surgery Clinic Surgery 4b	Pediatric Clinic Pediatrics 4	Medicine Clinic Medicine 10b	Ob. and Gyn. 2b Lecture II Trimester	Medicine Clinic Medicine 10c
2 to 4	$\frac{1}{3}$ Group. Ward Work, Barnes Hospital. $\frac{2}{3}$ Group. Elective Work.					
4 to 5	Clinical Pathological Conference Pathology 2 I & II Trimesters	1	1	1	1	

<sup>1</sup> Electives.

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1935-36

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

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 12	Surgery 4a. Ward Work, Barnes or St. Louis Children's Hospital. Surgery 6. Orthopedic Surgery, Barnes or St. Louis Children's Hospital.					
12 to 1	Neurology Clinic Neurology 3b	Surgery Clinic Surgery 4b	Pediatric Clinic Pediatrics 4	Medicine Clinic Medicine 10b	Ob. and Gyn. 2b Lecture II Trimester	Medicine Clinic Medicine 10c
2 to 4	1					
4 to 5	Clinical Pathological Conference Pathology 2 I & II Trimesters	1	1	1	1	

<sup>1</sup> Electives.



WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

1935-36

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

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9 to 10	Section 1. Ob. and Gyn. 2c. Ward Work, St. Louis Maternity Hospital: 9-10. Section 2. { Ob. and Gyn. 2d. Ward Work, Barnes Hospital: 10-12. { Pediatrics 3. Ward Work, St. Louis Children's Hospital: 9-10. Sections change at the middle of the trimester.					
10 to 12	1	1	1	1	1	1
12 to 1	Neurology Clinic Neurology 3b	Surgery Clinic Surgery 4b	Pediatric Clinic Pediatrics 4	Medicine Clinic Medicine 10b	Ob. and Gyn. 2b Lecture II Trimester	Medicine Clinic Medicine 10c
2 to 4	Section 1. Obstetrics 2c. Ward Work, St. Louis Maternity Hospital. Section 2. { Ophthalmoscopy, Wednesday or Thursday. { Elective Work, other days.					
4 to 5	Clinical Pathological Conference Pathology 2 I & II Trimesters					

<sup>1</sup> Electives.

## ELECTIVES — 1935-36

Opportunity for elective work is offered to the students throughout the course. To obtain credit for an elective course the student must have formally registered in that course with the consent of the instructor concerned. A partial list of available courses follows:

Elective courses in any department. Hours to be arranged.

Research in any department. Hours to be arranged.

Ophthalmology: A minimum of five periods of 2 hours each per week for one-third trimester in groups of not more than one-sixth of the class. 34 hours.<sup>1</sup> (2 to 4 p. m.)

Dermatology: A minimum of five periods of 2 hours each per week for one-third trimester in groups of not more than one-sixth of the class. 34 hours.<sup>1</sup> (2 to 4 p. m.)

Gynecology: A minimum of four periods of 2 hours each per week for one-third trimester in groups of not more than one-sixth of the class. 27 hours.<sup>1</sup> (2 to 4 p. m.)

Oto-Laryngology: A minimum of five periods of 2 hours each per week for one-third trimester in groups of not more than one-sixth of the class. 34 hours.<sup>1</sup> (2 to 4 p. m.)

Pediatrics: Hospital Clinical Clerkship. A minimum of 12 hours each week for one-half trimester in groups of not more than five. 66 hours. (2 to 5 p. m.)

Pediatrics: Dispensary Clerkship. A minimum of 12 hours each week for one-half trimester in groups of not more than ten. 66 hours. (2 to 5 p. m.)

Medicine: Diagnosis and Treatment of Diseases of the Digestive Tract. A minimum of five periods of 2 hours each per week for one-third trimester in groups of not more than five. 34 hours. (2 to 4 p. m.)

Medicine: General Medicine Clinic. A minimum of four periods of 2 hours each per week for one-third trimester in groups of not more than three. 27 hours. (2 to 4 p. m.)

Genito-Urinary Surgery: A minimum of three periods of 2 hours each per week for one-half trimester in groups of not more than one-sixth of the class. May be taken in the mornings by the Pediatrics-Gynecology group. 33 hours.<sup>1</sup> (10 a. m. to 12 m.)

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<sup>1</sup> Additional hours by arrangement.

Orthopedic Surgery: A minimum of three periods each per week for one-half trimester in groups of not more than six. May be taken in the mornings by the Pediatrics-Gynecology group. 33 hours.<sup>1</sup> (10 a. m. to 12 m.)

Obstetrics: Pre-Natal Clinic. A minimum of four periods of 2 hours each per week for one-third trimester in groups of not more than four. 27 hours. (2 to 4 p. m.)

Anatomy: Topographical Anatomy. Hours by arrangement.

Medicine: Applied Immunology. Hours by arrangement.

Radiology: Principles of Roentgenology. Three one-hour periods per week for one-half trimester. 16 hours.

Medical Ethics: Eight one-hour lectures during the first trimester. 8 hours.

Physical Therapeutics: Hours by arrangement.

Neurological Surgery: Eleven one-hour lectures during the first trimester. 11 hours.

Postoperative Care: Eleven one-hour lectures and demonstrations during the third trimester. 11 hours.

Medicine: Allergy. Hours by arrangement.

Medicine: Thoracic Diseases. Hours by arrangement.

Medicine: Night Clinic for the Treatment of Syphilis. A minimum of three periods of 2 hours each per week for one-half trimester. 33 hours.

Medicine: Night Clinic for the Treatment of Neurosyphilis. A minimum of two periods of 2 hours each per week for one trimester in groups of not more than six. 44 hours.

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<sup>1</sup> Additional hours by arrangement.



## STUDENTS

PHYSICIANS ATTENDING GRADUATE COURSES BETWEEN  
JANUARY 1 AND DECEMBER 31, 1934

Brown, Clarence J., M.D.	Oto-Laryngology	Washington, D. C.
Bruner, Julian M., M.D.	Genito-Urinary Surgery	Des Moines, Iowa
Clarke, George L., M.D.	Oto-Laryngology	Detroit, Mich.
Closson, Harold O., M.D.	Internal Medicine	Ashland, Kans.
Compton, James R., M.D.	Obstetrics and Gynecology	St. Louis, Mo.
Dalton, Arthur J., M.D.	Internal Medicine	Champaign, Ill.
Dickerson, William E., M.D.	Oto-Laryngology	Welch, W. Va.
Ford, Hanby L., M.D.	Oto-Laryngology	Champaign, Ill.
Gerrie, John W., M.D., C.M.	Oto-Laryngology	Edmonton, Alberta, Can.
Griswold, George W., M.D.	Oto-Laryngology	Roswell, N. Mex.
Gullatt, Ennis M., M.D.	Pediatrics	Ada, Okla.
Hawkins, Norman L., M.D.	Pediatrics	Watertown, N. Y.
Henning, Garold G., M.D.	Obstetrics and Gynecology	Norfolk, Nebr.
Herring, Preston S., M.D.	Internal Medicine	Vicksburg, Miss.
Hoffmann, Carl D., M.D.	Obstetrics and Gynecology	Orlando, Fla.
Humphreys, Samuel T., M.D.	Obstetrics and Gynecology	Nocona, Tex.
Konttas, Pearl V., M.D.	Pediatrics	Santa Rosa, Calif.
Lavengood, Russell W., M.D.	Obstetrics and Gynecology	Marion, Ind.
Maddi, Vincent M., M.D.	Obstetrics and Gynecology	Binghamton, N. Y.
MacDonald, Virgil G., M.D.	Obstetrics and Gynecology	Anderson, Ind.
McLeod, Junius H., M.D.	Obstetrics and Gynecology	Fayetteville, N. C.
McDaniel, Virgil S., M.D.	Obstetrics and Gynecology	Lincoln, Nebr.
Mercer, J. Wendall, M.D.	Pediatrics; Genito-Urinary Surgery	Cherokee, Ok.
Mitchell, Charles B., M.D.	Oto-Laryngology	State College, Miss.
Mohun, Meade, M.D.	Oto-Laryngology	San Mateo, Calif.
Monahan, James J., M.D.	Oto-Laryngology	Shenandoah, Pa.
Newcome, James A., M.D.	Pediatrics	Prenter, W. Va.
Page, Raymond L., M.D.	Internal Medicine	St. Charles, Minn.
Patterson, Charles E., M.D.	Oto-Laryngology	Tuscon, Ariz.
Phillips, Lyle G., M.D.	Obstetrics and Gynecology	Honolulu, T. H.
Ramsey, John B., M.D.	Pediatrics	Forest, Tex.
Schatz, Francis J., M.D.	Obstetrics and Gynecology	St. Cloud, Minn.
Schmiesing, Clifford A., M.D.	Obstetrics and Gynecology	Salamanca, N. Y.
Shirley, Reginald K., M.D.	Pediatrics	Hedgesville, W. Va.
Slaughter, Carlus A., M.D.	Obstetrics and Gynecology	Sugar Land, Tex.
Smith, Simon H., M.D.	Obstetrics and Gynecology	Atlanta, Ga.
Storts, Erick P., M.D.	Pediatrics	Tuscon, Ariz.
Strain, Thomas E., M.D.	Pediatrics	Shreveport, La.
Stucki, James M., M.D.	Obstetrics and Gynecology	Houston, Tex.
Thomas, Frank E., M.D.	Pediatrics	Albany, Ga.
Thompson, John R., Jr., M.D.	Internal Medicine	Jackson, Tenn.
Thomas, R. Thorn, M.D.	Pediatrics	Arvada, Colo.
Wilcoxon, William B., M.D.	Ophthalmology	Bowling Green, Mo.
Wohlrab, Raymond B., M.D.	Pediatrics	Rochester, N. Y.
Underwood, Ross H., M.D.	Ophthalmology	Kansas City, Mo.
		Total, 45

## FOURTH YEAR CLASS

Abney, Mary Caroline	Blackwater, Mo.
A.B., Univ. of Mo., '32.	
B.S., Univ. of Mo., '33.	
Allison, Lester Fischer	Elk Mountain, Wyo.
A.B., Drake Univ., '32.	
Ames, Richard Howell	Stanford University, Calif.
Amlin, Kenneth Miller	Los Angeles, Calif.
A.B., Univ. of Calif. at Los Angeles, '31.	
Barnett, Floyd Aaron	Columbia, Mo.
A.B., Univ. of Mo., '32.	
B.S., Univ. of Mo., '33.	
Belsley, Frank Kelsey	Peoria, Ill.
B.S., Bradley Polytechnic Inst., '31.	
Berman, William	St. Louis, Mo.
A.B., Washington Univ., '31.	
Bishop, Don L.	Belton, Mo.
A.B., Univ. of Mo., '31.	
Bortnick, Arthur Robert	St. Louis, Mo.
Bradford, Bert, Jr.	Pennsboro, W. Va.
A.B., W. Va. Univ., '32.	
B.S., W. Va. Univ., '33.	
Brown, Walter Earl, Jr.	Tulsa, Okla.
B.S., Univ. of Va., '31.	

Budke, Robert Julius.....	St. Louis, Mo.
Bullington, Bert Montell.....	East Peoria, Ill.
Cariss, Daniel George.....	Granite City, Ill.
Caruso, Paul Felix.....	Rutherford, N. J.
B.S., Lafayette Col., '31.	
Conrad, Raymond Clifford.....	Perryville, Mo.
A.B., Univ. of Mo., '32.	
B.S., Univ. of Mo., '33.	
Crigler, Ralph Ewing.....	Alma, Ark.
B.S., Univ. of Ark., '30.	
Downing, Sam William, Jr.....	New Franklin, Mo.
A.B., Central Coll., '29.	
B.S., Univ. of Mo., '33.	
Echternacht, Arthur Paul.....	St. Louis, Mo.
A.B., Butler Univ., '31.	
Eschenbrenner, Allen Bernard.....	East St. Louis, Ill.
Farrington, Charles Temple.....	Los Angeles, Calif.
A.B., Univ. of Calif. at Los Angeles, '31.	
B.S., Univ. of Mo., '33.	
Fisher, Wilbur Graham.....	Scio, Ohio
A.B., Ohio State Univ., '32.	
Flance, Israel Jerome.....	Brooklyn, N. Y.
A.B., Washington Univ., '31.	
Fleishman, Alfred.....	Granite City, Ill.
Gluck, Roland.....	Brooklyn, N. Y.
A.B., State Univ. of Iowa, '31.	
Goldenberg, Max.....	East St. Louis, Ill.
B.S., Washington Univ., '34.	
Graul, Elmer George.....	St. Louis, Mo.
Growdon, John Arthur.....	Joplin, Mo.
B.S., Univ. of Mo., '33.	
Haffner, Heinz.....	El Paso, Tex.
B.S., Univ. of Ariz., '31.	
Hamann, Carl Henry.....	Canton, Mo.
A.B., Culver-Stockton Coll., '31.	
Harris, Alfred William.....	East St. Louis, Ill.
Hartman, Paul Utley.....	Los Angeles, Calif.
A.B., Univ. of So. Calif., '31.	
Herrod, James Henry.....	Carthage, Mo.
A.B., Central Coll., '31.	
Hoagland, Charles Lee.....	Carthage, Mo.
Hutto, Herman.....	Ariton, Ala.
A.B., Univ. of Ala., '32.	
Jensen, Nathan Kenneth.....	Rupert, Idaho
Johnson, Norman Martin.....	University City, Mo.
A.B., Washington Univ., '31.	
Jones, Augustin.....	St. Louis, Mo.
A.B., Washington Univ., '30.	
Jones, John Ben.....	La Plata, Mo.
B.S., Northeast Mo. State Teachers Coll., '31.	
Katzeff, Jacob.....	Brooklyn, N. Y.
B.S., Univ. of Louisville, '31.	
Kellogg, Pearson Cameron.....	Sacramento, Calif.
A.B., Stanford Univ., '31.	
Kenamore, Bruce Delozier.....	Webster Groves, Mo.
A.B., Washington Univ., '33.	
Kimes, Ira David.....	Cameron, Mo.
A.B., Univ. of Mo., '31.	
King, Robert Victor.....	Lebanon, Mo.
A.B., Univ. of Mo., '32.	
B.S., Univ. of Mo., '33.	
Kisner, Paul.....	St. Louis, Mo.
B.S., Purdue Univ., '27.	
Krause, Albert Henry.....	St. Louis, Mo.
A.B., Univ. of Mo., '32.	
B.S., Univ. of Mo., '33.	
Lamberth, Wade Camdon.....	Alexander City, Ala.
B.S., Howard Coll., '31.	
Lane, Henry John.....	Eureka, Calif.
A.B., Stanford Univ., '32.	
Langsam, Charles Lewis.....	Webster Groves, Mo.
Langston, Walter Roland.....	Springfield, Mo.
B.S., Drury Coll., '33.	
B.S., Univ. of Mo., '33.	
Larsen, Kenneth Victor.....	Clayton, Mo.
B.S., Hastings Coll., '30.	

Loeffel, Ellen Shattuck.....	Webster Groves, Mo.
A.B., Mount Holyoke Coll., '28.	
Martin Bruce Carson.....	East Prairie, Mo.
Massie, Edward.....	St. Louis, Mo.
A.B., Washington Univ., '31.	
Maughs, Sydney Brown.....	St. Louis, Mo.
A.B., Westminster Coll., '31.	
McAdam, Charles Rush.....	Prairie Hill, Mo.
A.B., Central Coll., '29.	
McArtor, Thomas Roscoe.....	New Boston, Mo.
B.S., Northeast Mo. State Teachers Coll., '29.	
B.S., Univ. of Mo., '33.	
McIlroy, Richard Harry.....	West Terre Haute, Ind.
A.B., Ind. Univ., '31.	
Messer, Sidney.....	Brooklyn, N. Y.
B.S., N. Y. Univ., '31.	
Needles, Joseph Herman.....	New Athens, Ill.
O'Heeron, Michael Kinney.....	Waco, Tex.
A.B., Culver-Stockton Coll., '34.	
Phillips, Allan B.....	Clear Lake, Iowa
A.B., State Univ. of Iowa, '31.	
Poe, John Seldon.....	St. Louis, Mo.
A.B., Univ. of Mo., '31.	
Porter, Clark Gardner.....	Alton, Ill.
B.S., Kans. State Agri. Coll., '31.	
Potter, Reese Harris.....	Springfield, Mo.
A.B., Univ. of Kans., '32.	
B.S., Univ. of Mo., '34.	
Powers, Edward Sharp.....	Los Angeles, Calif.
B.S., Yale Univ., '30.	
Pray, Laurence Gesner.....	Valley City, N. D.
A.B., Univ. of Calif., '26.	
Robinson, Frank Harbert.....	Salt Lake, City, Utah
A.B., Univ. of Utah, '32.	
Rothman, David.....	St. Louis, Mo.
Russo, Dominic Tom.....	Brooklyn, N. Y.
A.B., Univ. of Ala., '32.	
Schmitt, Herbert Simon.....	Evansville, Ind.
B.S., St. Louis Univ., '29.	
M.S., St. Louis Univ., '31.	
Schwartzmann, Bernard.....	Maplewood, Mo.
A.B., Washington Univ., '31.	
Seddon, John Wickham.....	St. Louis, Mo.
Ph.B., Yale Univ., '31.	
Senn, Emmett Jacob.....	St. Louis, Mo.
A.B., Washington Univ., '31.	
Senturia, Ben Harlan.....	St. Louis, Mo.
A.B., Washington Univ., '31.	
Sheldon, Paul C.....	Terre Haute, Ind.
A.B., Ind. State Teachers Coll., '31.	
Soule, Emory Lowell.....	St. Anthony, Idaho
A.B., Univ. of Utah, '28.	
Stéiner, Alexander.....	St. Louis, Mo.
B.S., Washington Univ., '27.	
M.S., Washington Univ., '28.	
Stephens, Robert Louis.....	Joplin, Mo.
A.B., Westminster Coll., '31.	
Stephens, William Alvin.....	Maplewood, Mo.
A.B., Washington Univ., '33.	
Sutter, Richard Anthony.....	University City, Mo.
A.B., Washington Univ., '31.	
Swinney, Robert Harold.....	Richfield, Idaho
Tolle, Robert Leander.....	Lake Wales, Fla.
B.S., Southern Coll., '28.	
Vieaux, Julius Walker.....	Green Bay, Wis.
B.S., Northwestern Univ., '31.	
Wallace, Edwin Sharp.....	Lexington, Mo.
Wallace, William Stuart.....	St. Louis, Mo.
A.B., Washington Univ., '31.	
Weiner, David Otis.....	Brooklyn, N. Y.
A.B., Ind. Univ., '31.	
Wiesman, Irvin.....	Granite City, Ill.
Williams, John Wyley.....	Oak Grove, Mo.
A.B., Univ. of Mo., '31.	
Wilson, William Kindred.....	Haleyville, Ala.
A.B., Univ. of Ala., '32.	



Wrenn, John Alexander.....	Stanberry, Mo.
A.B., Univ. of Mo., '30.	
Wright, Robert Dean.....	Green Bay, Wis.
A.B., Univ. of Wis., '33.	
A.M., Univ. of Wis., '33.	

Total, 92.

## THIRD YEAR CLASS

Akers, Elwyn Nickell.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Allen, Wallace Edgar.....	Modesto, Calif.
A.B., Univ. of Calif., '31.	
Anderson, Victor Clarence.....	Magna, Utah
A.B., Univ. of Utah, '33.	
Aronberg, Lawrence Milton.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Atherton, Herbert Raymond.....	University City, Mo.
A.B., Washington Univ., '32.	
Basham, John Henry.....	Wichita, Kans.
A.B., Univ. of Wichita, '32.	
Berens, Norbert Henry.....	Summerfield, Kans.
A.B., Washington Univ., '32.	
Berkowitz, Morris.....	Kansas City, Mo.
Brasher, Charles Alonzo.....	Jefferson City, Mo.
A.B., Simmons Univ., '27.	
B.S., Univ. of Mo., '34.	
Breslow, Lawrence.....	Richmond Hill, N. Y.
A.B., Washington Univ., '32.	
Brown, Cecil Hooper.....	Jackson, Tenn.
A.B., Washington Univ., '32.	
Bryan, James Howard.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Burton, William Young.....	Mexico, Mo.
A.B., Univ. of Mo., '31.	
B.S., Univ. of Mo., '32.	
Callihan, Charles Ferris.....	Luray, Mo.
A.B., Culver-Stockton Coll., '33.	
B.S., Univ. of Mo., '34.	
Clark, Joseph Lawrence.....	Ennis, Tex.
B.S., Southern Methodist Univ., '32.	
Cooley, Fred Everett, Jr.....	Phoenix, Ariz.
A.B., Univ. of Southern Calif., '32.	
Cremer, William Joseph.....	Jefferson City, Mo.
A.B., Univ. of Mo., '33.	
B.S., Univ. of Mo., '34.	
Crouch, Francis Richard.....	Albany, N. Y.
A.B., Univ. of Mo., '32.	
Darrow, Arthur Charles.....	Granville, Ohio
A.B., Denison Univ., '32.	
Davenport, Merrill Clark.....	Pleasant Hill, Mo.
B.S., Univ. of Mo., '34.	
Davis, Vernam Terrell, Jr.....	Morrisville, Pa.
Dillon, John Forrest, III.....	Alexander City, Ala.
A.B., Yale Univ., '28.	
Donnell, Robert Hart, Jr.....	Hematite, Mo.
A.B., Univ. of Mo., '33.	
B.S., Univ. of Mo., '34.	
Drescher, Emmett Burk.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Drey, Norman Walter.....	St. Louis, Mo.
A.B., Princeton Univ., '32.	
Dreyer, Philip Vernon.....	Kirksville, Mo.
B.S., Northeast Mo. State Teachers Coll., '31.	
B.S., Univ. of Mo., '34.	
Drinkard, Robert Uriel, Jr.....	Wheeling, W. Va.
A.B., W. Va. Univ., '32.	
Dunn, Robert Cecil.....	Groton, S. Dak.
A.B., Univ. of S. Dak., '32.	
A.M., Univ. of S. Dak., '34.	
Dworkin, Saul.....	Cleveland, Ohio
A.B., Adelbert Coll., '32.	
Earp, Ralph Kenneth.....	El Dorado, Kans.
B.S., Washburn Coll., '31.	
Edmonds, Henry Wolfner.....	St. Louis, Mo.
A.B., Washington Univ., '31.	
Edwards, Howard Keay.....	Coral Gables, Fla.
B.S., Univ. of Miami, '32.	

Elliott, Robert William.....	Fountaintown, Ind.
A.B., Washington Univ., '32.	
Ellis, Orwyn Haywood.....	Philadelphia, Pa.
A.B., Stanford Univ., '32.	
Ellis, Stephen Stuart.....	Coffeyville, Kans.
A.B., Washington Univ., '32.	
Engel, Edgar Leo.....	Evansville, Ind.
A.B., Wabash Coll., '32.	
Epps, Curtis Howard.....	Springfield, Mo.
B.S., Drury Coll., '34.	
Faris, John Calvin.....	Caruthersville, Mo.
Fleming, Paul Dunlap.....	Waterloo, Ill.
Flynn, John Francis.....	Webster Groves, Mo.
B.S., Colby Coll., '25.	
Hauptman, Harry.....	Jersey City, N.J.
A.B., Univ. of Mich., '31.	
Hetherington, Jessie Sharp.....	St. Louis, Mo.
A.B., Univ. of Mich., '31.	
Hollombe, Samuel Morris.....	Los Angeles, Calif.
A.B., Univ. of Calif., '31.	
Horner, John Linscott.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Jacobson, William Henry.....	Canton, Ohio
B.S., Univ. of Pittsburgh, '32.	
Jaffe, Hyman.....	Cleveland, Ohio
A.B., Adelbert Coll., '30.	
M.S., Ohio State Univ., '31.	
Kahn, Nathan Robert.....	Brooklyn, N. Y.
A.B., Washington Univ., '32.	
Kaplan, Albert.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Kelley, Robert Wilson.....	Winfield, Kans.
A.B., Southwestern Coll., '32.	
Kelly, Marshall Wilton.....	Placerville, Calif.
Klingner, George Malcolm.....	Springfield, Mo.
B.S., Drury Coll., '34.	
Leech, Charles Albert, Jr.....	New Franklin, Mo.
B.S., Univ. of Mo., '34.	
Lockhart, Edmund S.....	Witt, Ill.
AB., Ill. Coll., '32.	
Long, Irl Richard.....	Pacific, Mo.
A.B., Central Coll., '32.	
B.S., Univ. of Mo., '34.	
Lundmark, Vernon Oscar.....	Seattle, Wash.
Mason, Richard Patrick.....	Pass-a-Grille, Fla.
A.B., Washington Univ., '32.	
McDowell, Frank.....	Springfield, Mo.
A.B., Drury Coll., '32.	
McMillan, Thomas Eugene.....	Kansas City, Mo.
A.B., Washington Univ., '32.	
McNamara, Thaddeus Maria, Jr.....	Bakersfield, Calif.
A.B., Stanford Univ., '32.	
McNew, William Thomas.....	Carthage, Mo.
A.B., Univ. of Mo., '33.	
B.S., Univ. of Mo., '34.	
McVety, Thomas Wilson.....	Normal, Ill.
A.B. Ill. Wesleyan Univ., '29.	
B.S., Ill. Wesleyan Univ., '32.	
Meadows, Henry Howard, Jr.....	Lowndesboro, Ala.
A.B., Howard Coll., '32.	
Miller, Edward Allison.....	Seattle, Wash.
B.S., Univ. of Wash., '32.	
Miller, Ivan Jenks.....	Belton, Mo.
A.B., Univ. of Mo., '32.	
Minzel, Wesley Charles.....	Sharon, Wash.
B.S., Univ. of Wash., '31.	
Mitchell Robert Hiestand.....	Columbia, Mo.
A.B., Univ. of Mo., '31.	
B.S., Univ. of Mo., '33.	
Morrison, James Donald.....	Billings, Mont.
A.B., Carleton Coll., '30.	
Mueller, Robert John.....	Maplewood, Mo.
Nussbaum, Robert Allen.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Pettus, Florence.....	St. Louis, Mo.
A.B., Bryn Mawr Coll., '32.	

Petway, Virginia.....	Atlanta, Ga.
A.B., Agnes Scott Coll., '32.	
Platz, Charles Parker.....	Fort Collins, Colo.
A.B., Stanford Univ., '32.	
Pletcher, Kenneth Eugene.....	Pacific, Mo.
A.B., Central Coll., '32.	
Plymale, John Langley.....	Gallipolis, Ohio
A.B., Ohio Wesleyan Univ., '32.	
Records, John William.....	St. Louis, Mo.
Rector, Eleanor Johnson.....	Seattle, Wash.
B.S., Univ. of Wash., '31.	
M.S., Univ. of Wash., '32.	
Rector, Lewis Edwin.....	Seattle, Wash.
B.S., Oreg. State Agri. Coll., '25.	
Riggs, George Thomas.....	Amity, Mo.
B.S., Univ. of Mo., '34.	
Rutherford, Robert Horace.....	Girard, Ill.
Saphir, Nelson Robert.....	South Boston, Mass.
A.B., Harvard Coll., '30.	
Schneider, Sam.....	St. Louis, Mo.
A.B., Washington Univ., '28.	
Sellers, William Leon, Jr.....	Montgomery, Ala.
B.S., Ala. Poly. Inst., '32.	
Silverglade, Alexander.....	Los Angeles, Calif.
B.S., Univ. of Wash., '29.	
Smith, Carl Wellington.....	East St. Louis, Ill.
A.B., Washington Univ., '32.	
Standard, James Fields.....	Seattle, Wash.
B.S., Univ. of Wash., '32.	
Strobach, Rolla Lenox.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Swedenburg, Genevieve Marie.....	Ashland, Oreg.
A.B., Univ. of Wash., '30.	
Tidrick Robert Thompson.....	St. Louis, Mo.
A.B., Tarkio Coll., '32.	
Trowbridge, Ellsworth Haydn, Jr.....	Kansas City, Mo.
Trucks, James Frank.....	Birmingham, Ala.
A.B., Univ. of Ala., '31.	
Ursin, Oscar Elliott.....	Wittenberg, Wis.
A.B., St. Olaf Coll., '32.	
Vieth, Richard Peter.....	University City, Mo.
A.B., Washington Univ., '32.	
Wepprich, Michael Schall.....	St. Charles, Mo.
A.B., Univ. of Mo., '33.	
West, Warren Burd.....	St. Anthony, Idaho
A.B., Univ. of Utah, '32.	
White, Noland Winford.....	Bertrand, Mo.
A.B., Univ. of Mo., '33.	
B.S., Univ. of Mo., '34.	
Wise, Robert Allen.....	Morganfield, Ky.
A.B., Univ. of Ky., '32.	
Young, William Rigby.....	Provo, Utah
A.B., Univ. of Utah, '32.	
Zonnis, Marian Estelle.....	St. Louis, Mo.
A.B., Washington Univ., '32.	
Total, 98.	

## SECOND YEAR CLASS

Adler, Benard Charles.....	St. Louis, Mo.
Adler, Morton William.....	St. Louis, Mo.
A.B., Washington Univ., '33.	
Barnes, Marian.....	Lawrence, Kans.
B.S., Univ. of Chicago, '27.	
Bassman, Roland Sidney.....	St. Louis, Mo.
Berger, Edward.....	St. Louis, Mo.
Bottom, Donald Stewart.....	East St. Louis, Ill.
A.B., Washington Univ., '32.	
Bourland, John Bookhout.....	Dallas, Tex.
A.B., Harvard Coll., '33.	
Brenner, Paul Adolph Anthony.....	Princeton, Ill.
A.B., Washington Univ., '33.	
Brodsky, Samuel.....	Brooklyn, N. Y.
A.B., Washington Univ., '33.	
Burch, Earl Samuel.....	Fort Dodge, Iowa
A.B., Grinnell Coll., '25.	
Burke, Foster Wand, Jr.....	Laclede, Mo.
A.B., Central Coll., '33.	



- Burks, James, Willis, Jr. .... Nashville, Tenn.  
A.B., Vanderbilt Univ., '33.
- Case, Robert Bowen ..... Oakland, Calif.  
A.B., Stanford Univ., '32.
- Clarke, Harvel Butler ..... Ava, Mo.  
A.B., Univ. of Mo., '33.
- Compton, Martin Andrew ..... Peoria, Ill.
- Connell, John Richard ..... Des Moines, Iowa  
A.B., Drake Univ., '33.
- Cruvant, Bernard Alan ..... East St. Louis, Ill.  
A.B., Washington Univ., '32.
- Erlanger, Herman ..... St. Louis, Mo.  
A.B., Univ. of Wis., '33.
- Florito, Joseph Anthony ..... Syracuse, N. Y.  
A.B., Oberlin Coll., '33.
- Gann, Eldred La Monte ..... Burden, Kans.  
B.S., Kans. State Agri. Coll., '29.  
M.S., Kans. State Agri. Coll., '33.
- Gellhorn, Alfred ..... St. Louis, Mo.
- Gellrich, James Anthony ..... St. Louis, Mo.  
A.B., Richmond Coll., '33.
- Gershon, Edward Elliott ..... Kansas City, Mo.  
A.B., Washington Univ., '33.
- Goldman, Gilbert Sanes ..... Pittsburgh, Pa.  
B.S., Univ. of Pittsburgh, '33.
- Gray, William Halling ..... Fort Bragg, Calif.  
A.B., Stanford Univ., '33.
- Huffman, Carroll Wilson ..... Hickory, N. C.  
B.S., Lenoir-Rhyne Coll., '33.
- Humphrey, Kenneth Edward ..... East St. Louis, Ill.  
A.B., Westminster Coll., '33.
- Huntley, Henry Clay ..... Steele, Mo.  
A.B., Washington Univ., '33.
- Kanda, Robert Tadao ..... Wailuku, Maui, T. H.  
A.B., Univ. of Southern Calif., '33
- Kaplan, Arthur Arthur ..... New York, N. Y.  
A.B., Cornell Univ., '33.
- Kingsland, Robert Chenault ..... St. Louis, Mo.  
A.B., Washington Univ., '33.
- Kircher, Theodor Engelman, Jr. .... Belleville, Ill.  
A.B., Yale Coll., '33.
- Kostman, David Eli ..... St. Louis, Mo.  
A.B., Washington Univ., '33.
- Kusunoki, Clarence Junro ..... Honolulu, T. H.  
A.B., Univ. of Hawaii, '33.
- Levinson, Julian Paul ..... Brownsville, Pa.  
B.S., Univ. of Pittsburgh, '32.
- Lischer, Carl Edward ..... University City, Mo.  
A.B., Univ. of Calif., '33.
- Little Edgar Hugh ..... East St. Louis, Ill.  
A.B., Washington Univ., '33.
- Little, Robert Allyn ..... East St. Louis, Ill.  
A.B., Washington Univ., '33.
- Littmann, Lewis Ezekial ..... St. Louis, Mo.  
A.B., Washington Univ., '33.
- Lowenhaupt, Elizabeth ..... St. Louis, Mo.  
A.B., Radcliffe, Coll., '33.
- Lyddon, Harold Ray, Jr. .... Kansas City, Mo.  
A.B., Univ. of Mo., '33.
- Lyman, Edward Harry ..... St. Louis, Mo.
- Lyle, Howard William ..... Lodi, Calif.  
A.B., Stanford Univ., '33.
- Martin, Charles Ellerbrock ..... St. Louis, Mo.  
A.B., Washington Univ., '33.
- McCall, Edwin Levan ..... Laddonia, Mo.  
A.B., Univ. of Mo., '32.
- McCausland, John Daniel ..... Chula Vista, Calif.  
A.B., Pomona Coll., '33.
- McGrath, Marion Stanley ..... Star, Idaho  
B.S., Univ. of Idaho, '33.
- Meeker, Cornelius Shepherd ..... Jacksonville, Ill.  
A.B., Ill. Coll., '33.
- Meisenbach, Albert Edward, Jr. .... St. Louis, Mo.  
A.B., Washington Univ., '33.
- Mendonsa, Lawrence Ernest ..... University City, Mo.  
A.B., Washington Univ., '33.

Miksicek, John Edward.....	St. Louis, Mo.
A.B., Washington Univ., '33.	
Mountjoy, Philip Shannon.....	St. Louis, Mo.
A.B., Washington Univ., '33.	
Owen, Walter Edwin, Jr.....	Clinton, Mo.
A.B., Westminster Coll., '31.	
Pareira, Morton Donald.....	St. Louis, Mo.
A.B., Washington Univ., '33.	
Petersen, Ralph Clarence.....	Seattle, Wash.
B.S., Univ. of Wash., '33.	
Pontier, Joseph John.....	San Francisco, Calif.
Quinn, William Joseph.....	San Francisco, Calif.
Reid, Henry Nowell.....	Rome, N. Y.
A.B., Harvard Coll., '33.	
Risser, Philip Crane.....	Blackwell, Okla.
A.B., Grinnell Coll., '33.	
Robertson, Edwin Norris, Jr.....	Concordia, Kans.
A.B., Univ. of Kans., '33.	
Rosenbaum, Lloyd Emmerich.....	Anderson, Ind.
A.B., Princeton Univ., '32.	
Russell, Thomas Goodson.....	Sylvania, Ohio
B.S., Univ. of the City of Toledo, '33.	
Sauer, William Nicholas.....	St. Louis, Mo.
A.B., Stanford Univ., '32.	
Schopp, Alvin Charles.....	St. Louis, Mo.
A.B., Washington Univ., '33.	
Scott, Ila Marie.....	Richmond Heights, Mo.
A.B., Univ. of Colo., '27.	
M.S., Washington Univ., '32.	
Sieber, Edward Henry.....	Jacksonville, Ill.
A.B., Ill. Coll., '33.	
Skaller, Maja Leroy.....	Memphis, Tenn.
A.B., Washington Univ., '33.	
Smith, Harvey Sydney, Jr.....	East St. Louis, Mo.
Stevenson, Walter Davis, Jr.....	Quincy, Ill.
B.S., Univ. of Va., '33.	
Tompkins, Harold Phillip.....	Anaheim, Calif.
A.B., Stanford Univ., '31.	
Tversky, Edgar Louis.....	St. Louis, Mo.
Vaughan, John Russell, Jr.....	University City, Mo.
A.B., Washington Univ., '33.	
Wall, David Royal.....	Wichita, Kans.
A.B., Univ. of Kans., '33.	
Weber, Thomas Loftin.....	Olney, Ill.
Westrup, Ellsworth Arthur.....	Webster Groves, Mo.
A.B., Washington Univ., '33.	
Williams, Ray David.....	Charlottesville, Va.
A.B., Hampden-Sydney Coll., '30.	
M.S., Emory Univ., '31.	
Wittler, Marie Henrietta.....	St. Louis, Mo.
Total, 76.	

## FIRST YEAR CLASS

Abrahams, Harry Harvey.....	Long Beach, N. Y.
A.B., Cornell Univ., '34.	
Aker, Cecil Grover.....	Santa Ana, Calif.
A.B., Central Coll., '34.	
Allee, William Sylvanus.....	Soldiers Home, Kans.
A.B., Univ. of Mo., '34.	
Baers, Harry.....	St. Louis, Mo.
Barnett, Henry Lewis.....	St. Louis, Mo.
Bingham, Harvey Dexter.....	Mebane, N. C.
B.S., Univ. of Wash., '34.	
Blaney, Loren Francis.....	St. Louis, Mo.
A.B., Washington Univ., '34.	
Blankenship, George William.....	Southwest City, Mo.
A.B., Kans. State Teachers Coll., '34.	
Brookes, Robert Dunlap.....	St. Louis, Mo.
A.B., DePauw Univ., '34.	
Brown, Frances Preston.....	St. Louis, Mo.
Ph.B., Univ. of Wis., '34.	
Bryan, Malvern Thornton.....	Memphis, Tenn.
A.B., Univ. of Tenn., '34.	
Carter, Kenneth Locker.....	Mattoon, Ill.
A.B., Washington Univ., '34.	
Carter, Margaret Ann.....	Carthage, Mo.
A.B., Washington Univ., '34.	

Conrad, Adolph Henry, Jr.	St. Louis, Mo.
A.B., Washington Univ., '34.	
Daab, Ellar Etling	Belleville, Ill.
A.B., Bradley Poly. Inst., '34.	
Danneker, Robert Aiken	Merced, Calif.
A.B., Stanford Univ., '34.	
Davis, Lawrence Elton	Cashmere, Wash.
B.S., Univ. of Wash., '33.	
Doenges, James Luther	Tonkawa, Okla.
Early, Oren Woodside	University City, Mo.
Findley, James Wallace	Graham, Mo.
A.B., Univ. of Nebr., '34.	
Freedman, Harold	University City, Mo.
Ph.B., Yale Coll., '29.	
Gershaw, Frank Allen	Brooklyn, N. Y.
A.B., Univ. of Wis., '33.	
Gilbert, Harold Raymond	Cleveland, Ohio
A.B., Adelbert Coll., '33.	
Gill, Dorothy	Seattle, Wash.
B.S., Univ. of Wash., '31.	
M.S., Univ. of Wash., '32.	
Hartline, John Donald	Danville, Ill.
A.B., DePauw Univ., '34.	
Hartman, Paul Tupper	St. Louis, Mo.
A.B., Washington Univ., '34.	
Hawker, William Davis	St. Louis, Mo.
B.S., Shurtleff Coll., '33.	
Hempelmann, Louis Henry	St. Louis, Mo.
A.B., Washington Univ., '34.	
Hunter, John Willis, Jr.	Birmingham, Ala.
A.B., Univ. of Ala., '34.	
Jensen, Joshua Ernest	Granville, Ohio
A.B., Denison Univ., '34.	
Jones, Horace Edgar	Anderson, Ind.
Jones, James Buckner	Piedmont, Mo.
A.B., Southeast Mo. State Teachers Coll., '33.	
Kimelman, Nathan	Pittsburgh, Pa.
B.S., Univ. of Pittsburgh, '33.	
King, Jane McKown	St. Louis, Mo.
A.B., Washington Univ., '34.	
Kirtz, Louis Phillip, Jr.	St. Louis, Mo.
A.B., Washington Univ., '34.	
Koch, Pearl Elizabeth	St. Louis, Mo.
Kotner, Lawrence Melvin	St. Louis, Mo.
A.B., Washington Univ., '34.	
Latimer, Jasper Dowe	Hartville, Mo.
B.S., Drury Coll., '34.	
Legow, Albert	Cleveland, Ohio
A.B., Adelbert Coll., '32.	
Lionberger, John Robert, Jr.	St. Louis, Mo.
A.B., Washington Univ., '34.	
Lowell, Vivion Forman	Galesburg, Ill.
A.B., Knox Coll., '34.	
Lynn, Theodore Ayres	San Francisco, Calif.
Mangum, John Robert	Nampa, Idaho
Mantz, Harry Earl	St. Louis, Mo.
A.B., Univ. of Mo., '34.	
McKee, Wayne Pickens	Modesto, Calif.
A.B., Univ. of Calif., '33.	
Milster, Clyde Rogers	St. Louis, Mo.
A.B., Univ. of Mo., '34.	
Moor, William Alonzo	St. Louis, Mo.
A.B., Washington Univ., '34.	
Moseley, Harry Gladding	New York, N. Y.
B.S., Univ. of Ariz., '32.	
Mueller, Alexander Ado	Belleville, Ill.
Ogawa, Robert Nobuyoshi	Hilo, T. H.
A.B., Central Mo. State Teachers Coll., '32.	
B.S., Central Mo. State Teachers Coll., '32.	
Oram, David Ernest	Watseka, Ill.
A.B. Knox Coll., '34.	
Parker, Joe Marion	Vienna, Ill.
A.B., Univ. of Ill., '30.	
M.S., Univ. of Ill., '32.	
Peck, George Arthur	Springfield, Mo.
A.B., Drury Coll., '34.	



Petkovich, Ogden Lazar.....	St. Louis, Mo.
A.B., Washington Univ., '34.	
Piraino, Anthony Frank.....	Cleveland, Ohio
A.B., Oberlin Coll., '34.	
Pollock, Joseph Hirsh.....	St. Louis, Mo.
Pratt, William Coleman.....	Muskogee, Okla.
A.B., Washington Univ., '33.	
Reed, Richard Yates.....	St. Louis, Mo.
B.S., Drury Coll., '34.	
Richey, Tim Victor.....	Tucson, Ariz.
A.B., Univ. of Ariz., '34.	
Roberts, Thomas Haynes.....	Lovelock, Nev.
B.S., Univ. of Nev., '34.	
Rose, William Frederick.....	Dupo, Ill.
Rosenblatt, Philip.....	Bronx, N. Y.
A.B., Univ. of Nebr., '34.	
Sager, Harry.....	St. Louis, Mo.
Schultz, Samuel.....	St. Louis, Mo.
Schwander, Leon Howard, Jr.....	St. Louis, Mo.
A.B., Washington Univ., '34.	
Shuman, John William, Jr.....	Santa Monica, Calif.
A.B., Univ. of Calif., '34.	
Shuman, Robert Burnham.....	Madera, Calif.
A.B., Fresno State Teachers Coll., '34.	
Silverberg, Charles.....	St. Louis, Mo.
A.B., Washington Univ., '34.	
Silverberg, Hymen Dorf.....	St. Louis, Mo.
Simpson, Reed Morgan.....	St. Louis, Mo.
Smith, Warren Ferguson.....	Topfield, Mass.
B.S., Univ. of N. H., '34.	
Spitz, Milton Adolph.....	Milwaukee, Wis.
A.B., Dartmouth Coll., '34.	
Steiner, Howard Abraham.....	East Cleveland, Ohio
Stull, John DeGarrs.....	Ferguson, Mo.
A.B., Univ. of Iowa, '34.	
Takenaka, Kameichi.....	Honolulu, T. H.
B.S., Univ. of Hawaii, '34.	
Tasca, Henri Anthany.....	Philadelphia, Pa.
Thomas, Roy.....	Woodland, Calif.
A.B., Stanford Univ., '34.	
Wade, Leo Joseph.....	St. Louis, Mo.
A.B., Washington Univ., '33.	
Wathen, Charles Barbour.....	Morganfield, Ky.
B.S., Univ. of Ky., '34.	
Weber, Frank Joseph, Jr.....	Olney, Ill.
Wedig, John Harrison.....	Wood River, Ill.
Wilder, Winfield Scott.....	Lewistown, Mont.
B.S., Mont. State Coll., '34.	
Windus, Charles Edward.....	Clarkston, Wash.
B.S., State Coll. of Wash., '34.	
Zucker, Ralph Leo.....	Toledo, Ohio
B.S., Univ. of Toledo, '34.	
	Total, 84.

## SUMMARY OF STUDENTS IN THE SCHOOL OF MEDICINE

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