1935

Washington University School of Medicine bulletin, 1935

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

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III. The School of Architecture (Skinker Road and Lindell Boulevard)
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IV. The School of Business and Public Administration (Skinker Road and Lindell Boulevard)
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VII. The School of Law (Skinker Road and Lindell Boulevard)
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VIII. The School of Medicine (Kingshighway and Euclid Avenue)
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IX. The School of Dentistry (4559 Scott Avenue)
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The following school is also conducted under the charter of the University:

Mary Institute—A Preparatory School for Girls (Ladue and Warson Roads, Clayton)

Charles H. Garrison, A.B., Principal
Block Plan of Washington University Medical Group and School of Dentistry
# CALENDAR

## 1935

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## SEPTEMBER

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2
CALENDAR
1934-35


Second Trimester ends Saturday, March 16, 1935.
Third Trimester begins Monday, March 18, 1935.

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


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

Holiday, Thanksgiving Day, Thursday, November 28, 1935.
First Trimester ends Saturday, December 14, 1935.

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.

Third Trimester ends Friday, May 29, 1936.
Final Examinations begin Monday, June 1, 1936.
Commencement, Tuesday, June 9, 1936.
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First Vice-President
ROBERT MCKITTRICK JONES

Second Vice-President
HARRY BROOKINGS WALLACE

Directors

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GEORGE OLIVER CARPENTER
ALFRED LEE SHAPLEIGH
ROBERT MCKITTRICK JONES
BENJAMIN GRATZ
HARRY BROOKINGS WALLACE
WILLIAM HENRY DANFORTH

Treasurer, and Secretary to the Corporation
JOSEPH HENRY ZUMBALEN

Office in Robert S. Brookings Hall, Skinker Road and Lindell Boulevard
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FRANCIS RHODES FRY, A.B., A.M., M.D., Professor Emeritus of Neurology

1 Arranged in groups in order of appointment.
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Harry Sturgeon Cros sen, M.D., Professor Emeritus of Clinical Obstetrics and Gynecology
Martin Feeney Engman, M.D., Professor of Clinical Dermatology
Borden Smith Veeder, M.D., Professor of Clinical Pediatrics
Sidney Isaac Schwab, M.D., Professor of Clinical Neurology
Ernest Sachs, A.B., M.D., Professor of Clinical Neurological Surgery
Major Gabriel Seelig, A.B., M.D., Professor of Clinical Surgery
William Ewing Shahan, A.B., A.M., M.D., Professor of Clinical Ophthalmology
Frederick Joseph Taussig, A.B., M.D., Professor of Clinical Obstetrics and Gynecology
John Roberts Caulk, A.B., A.M., M.D., Professor of Clinical Genito-Urinary Surgery
Vilray Papin Blair, A.M., M.D., Professor of Clinical Surgery
Malvern Bryan Clopton, M.D., Professor of Clinical Surgery
Albert Ernst Taussig, A.B., M.D., Professor of Clinical Medicine
Meyer Wiener, M.D., Professor of Clinical Ophthalmology
John Albert Key, M.D., Professor of Clinical Orthopedic Surgery
George Gellhorn, M.D., Professor of Clinical Obstetrics and Gynecology
Hugo Ehrenfest, M.D., Professor of Clinical Obstetrics and Gynecology
Virgil Loeb, A.B., M.D., D.D.S., Lecturer in Stomatology
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Warren Philo Elmer, B.S., M.D., Associate Professor of Clinical Medicine
Harvey Lester White, B.S., M.D., Associate Professor of Physiology
Harry Louis Alexander, A.B., M.D., Associate Professor of Medicine
William Frederick Hardy, M.D.,' Associate Professor of Clinical Ophthalmology
Jacob Jesse Singer, M.D., Associate Professor of Clinical Medicine
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Arthur Scott Gilson, Jr., B.S., A.M., Ph.D., Associate Professor of Physiology
Louis A. Julianelle, A.B., M.S., Ph.D., Associate Professor of Applied Bacteriology and Immunology

1 On leave of absence, October 1, 1934 to October 1, 1935.
Drew William Luten, A.B., M.D., Associate Professor of Clinical Medicine

Joseph William Larimore, A.B., M.D., Associate Professor of Clinical Medicine

Gordon H. Scott, A.B., A.M., Ph.D., Associate Professor of Cytology

Theodore C. Hempelmann, M.D., Associate Professor of Clinical Pediatrics

Grandison Delaney Royston, M.D., Associate Professor of Clinical Obstetrics and Gynecology

Quitman Underwood Newell, M.D., Associate Professor of Clinical Obstetrics and Gynecology

Harry Webster Lyman, M.D., Associate Professor of Clinical Otolaryngology

Arthur Walter Proetz, A.B., M.D., Associate Professor of Clinical Otolaryngology

James Lee O'Leary, B.S., Ph.D., M.D., Associate Professor of Cytology

Willard Bartlett, A.B., A.M., M.D., D.Sc., Assistant Professor of Clinical Surgery

Arthur Oscar Fisher, A.B., M.D., Assistant Professor of Clinical Surgery

Hugh McCulloch, A.B., M.D., Assistant Professor of Clinical Pediatrics

Frank Henry Ewerhardt, M.D., Assistant Professor of Physical Therapeutics

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Max William Jacobs, A.B., M.D., Assistant Professor of Clinical Ophthalmology

Duff Shedetic Allen, M.D., Assistant Professor of Clinical Surgery

Frederick Oscar Schwartz, M.D., Assistant Professor of Clinical Ophthalmology

Dalton Keats Rose, M.D., Assistant Professor of Clinical Genito-Urinary Surgery

Harvey Densmore Lamb, A.B., M.D., Assistant Professor of Ophthalmic Pathology

William Hewson Mook, M.D.,¹ Assistant Professor of Clinical Dermatology

¹ Died, November 3, 1934.
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ANDREW BLUCHER JONES, M.D., Assistant Professor of Clinical Neurology
RICHARD PADDOCK, M.D., Assistant Professor of Clinical Obstetrics and Gynecology
ISAAC Y. OLCH, Ph.B., M.D., Assistant Professor of Clinical Surgery
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ROBERT ELMAN, B.S., M.D., Assistant Professor of Surgery
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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

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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 KUBITSCHEK, 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
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OSCAR CHARLES ZINK, M.D., Instructor in Clinical Radiology
VINCEL ROGER 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. PROBST, 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 HILDBRETH, 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., 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 and in Obstetrics and Gynecology
ELIZABETH MOORE, A.B., M.D., Instructor in Pathology
PAUL WILLIAM FREISLIER, B.S., M.S., Ph.D., Instructor in Biological Chemistry
THOMAS PALMER FINDLEY, JR., A.B., M.D., Instructor in Clinical Medicine

1 Resigned, December 12, 1934.
2 Effective, January 1, 1935.
3 Resigned, September 1, 1934.
4 On leave of absence, November 1, 1934 to January 1, 1935.
5 Effective, January 1, 1935.
THE SCHOOL OF MEDICINE

LEON BROMBERG, A.B., M.D.,\(^1\) Instructor in Clinical Medicine
JAMES M. DOUGLAS, LL.B., Lecturer in Medical Jurisprudence
JOSEPH C. WILLET, 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.,\(^2\) Assistant in Clinical Psychiatry
AMALIS 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

\(^1\) Effective, May 1, 1935.
\(^2\) Resigned, August 6, 1934.
BERTKAND 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., Assistant in Applied Biological Chemistry
JOHN B. O’NEILL, M.D., Assistant in Clinical Obstetrics and Gynecology
GILBERT CARL STRUBLE, B.S., M.D., 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

1 Resigned, October 1, 1934.
2 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
BARRITT LEARNED TAUSSEG, 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., Assistant in Ophthalmology
LOYD 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 SANTON, JR., A.B., M.D., Assistant in Pathology
ROBERT S. SCHWAB, A.B., M.D., Assistant in Neuropsychiatry
KATHERINE OPHELIA SEIRLE, 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

1 Resigned, March 1, 1935.
ALFRED D. HERSHEY, Ph.D., Assistant in Bacteriology and Immunology
EVERTT O. JEFFREYS, A.B., M.D., Assistant in Medicine
WILLIAM EUGENE KEITER, B.S., M.D., Assistan 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 RAVENSWAY, M.D., Assistant in Medicine
STANLEY LEONARD HARRISON, B.S., M.D., Assistant in Clinical Pediatrics
JOHN W. ESCHENBRENNER, B.S., M.D., Assistant in Clinical Ophthalmology
JOHN WARREN HENDERLITE, M.D., Assistant in Clinical Medicine
JOHN FRANKLIN PATTON, M.D., Assistant in Clinical Genito-Urinary Surgery
KENNETH O. WILSON, M.D., Assistant in Clinical Genito-Urinary Surgery
HARRY L. THIEME, B.S., M.D., Assistant in Clinical Orthopedic Surgery
LLOYD DAVID LINTON, B.S., Assistant in Applied Bacteriology in Oto-Laryngology
J. KELLER MACK, B.S., M.D., Assistant in Pediatrics
JAY CRAWFORD, A.B., B.S., M.D., Assistant in Ophthalmology

HELENE C. COLEMAN...............................Secretary to the Dean

\footnotesize
\begin{itemize}
\item Resigned, February 1, 1935.
\item Effective, September 1, 1934.
\item Effective, November 7, 1934.
\item Effective, January 1, 1935.
\item Effective, January 15, 1935.
\item Effective, February 1, 1935.
\item Effective, March 15, 1935.
\end{itemize}
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., 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 COPPEE, 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., 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

1 Resigned, March 1, 1935.
2 Effective, January 15, 1935.
STAFFS OF THE UNIVERSITY HOSPITALS
THE BARNES HOSPITAL, THE ST. LOUIS CHILDREN’S
HOSPITAL, THE ST. LOUIS MATERNITY HOSPITAL
AND THE MCMILLAN EYE, EAR, NOSE AND
THROAT HOSPITAL

ADMINISTRATION

LOUIS H. BURLINGHAM, M.D. . . . Superintendent, Barnes Hospital
ESTELLE D. CLAIBORNE, R.N.
Superintendent, St. Louis Children’s Hospital
MARY KEITH . . . . Superintendent, St. Louis Maternity Hospital
FRANK R. BRADLEY, M.D. . Assistant Superintendent, Barnes Hospital
ANNA BRANDNER, B.S., R.N.
Assistant Superintendent, St. Louis Children’s Hospital
MARY M. REYNOLDS, R.N.
Assistant Superintendent, St. Louis Children’s Hospital (Ridge Farm)
CORNELIA S. KNOWLES, R.N. . . Executive Assistant, Barnes Hospital
LOLA V. BREITENSTEIN, R.N. . . Admitting Officer, Barnes Hospital

MEDICINE

Physician in Chief
David P. Barr

Associate Physician
Harry L. Alexander

Assistant Physicians
Elsworth S. Smith
Albert E. Tanneig
Warren P. Elmer
Jerome E. Cook
Walter Fischel
Walter Baumgarten
William H. Olmsted
Drew W. Luten
Charles H. Eyermann
Jacob J. Singer
Frank D. Gorham
Joseph W. Larimore
Arthur E. Strauss
Alfred Goldman
Samuel E. Grant
Lawrence D. Thompson
Anthony B. Day
Lee P. Gay
Lee D. Cady
Harold A. Bulger
Llewellyn Sale
John V. Lawrence
William G. Becke
Milo L. Heideman
Hiram S. Liggett
Oliver Abel, Jr.
Harry W. Wiese
Oliver Campbell
Charles E. Gilliland
William B. Kountz
Louis H. Behrens
Howard Rusk
Ralph S. Muckenfuss
Julius Jensen
C. Malone Stroud
Kenneth Glaze
Louis H. Hempelmann
Charles Duden
J. Ted Jean
Louis F. Aitken
Elmer Richman
Joseph Bredeck
Cyril MacBryde
Marshall Seibel
Lee B. Harrison
Karl Koenig
Milton Smith
Thomas Findley
Arie C. van Ravenswaay
Cecil M. Charles
THE SCHOOL OF MEDICINE

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

ASSOCIATE OBSTETRICIANS AND
GYNECOLOGISTS

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

Assistant Obstetricians and
Gynecologists
Adolph G. Schlossstein
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. McHansHEL
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
Adrian S. Bleyer
Maurice J. Lonsway

Park J. White
Katherine Bain
Cleon E. Colgate
Wayne A. Rupe
Edwin H. Rohlfing
Paul J. Zentay
Max Deuch
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. Sutterfield
Louis Turseen
Paul Kubitschek

PATHOLOGY

Pathologist
Leo Loeb

Associate Pathologist
Howard A. McCordock

Assistant Pathologist
Walter J. Siebert

RADIOLOGY

Roentgenologist
Sherwood Moore
THE SCHOOL OF MEDICINE

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


**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

**GENERAL MEDICAL DIVISION**

**Chief of Clinic**
- 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

ENDOCRINE DIVISION

Chief of Clinic
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. Lutime

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
Physician in Charge
Lee D. Cady
Assistant Physicians to Out-Patients
Cyril M. MacBryde
Cecil M. Charles
Ophthalmological Consultant
William M. James

OBSTETRIC DIVISION
Chief of Clinic
Otto H. Schwarz

THERAPEUTIC DIVISION
Physician in Charge
William G. Coleman

PROCTOLOGICAL DIVISION
Surgeon in Charge
Warren R. Rainey

UROLOGICAL DIVISION
Chief of Clinic
Rogers Deakin

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Physician in Charge and Physician to Medical and Dental Students
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Pediatrician
Frederick A. Jacobs

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I. Y. Olch
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Rogers Deakin

Surgeons to Out-Patients
Dalton K. Rose
Newton W. Amos
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Assistant Surgeons to Out-Patients
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K. O. Wilson
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H. G. Greditzer
H. H. Feller

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Chief of Clinic
J. Albert Key

Surgeons to Out-Patients
Charles A. Stone
J. Edgar Stewart
Frank H. Ewerhardt
Theodora F. Brookes

Assistant Surgeon to Out-Patients
Frederick A. Jostes

PEDIATRIC CLINICS

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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
Max Deutch
Armin C. Hofsommer
Clen E. Colgate
Ben M. Bull
Sol Londe

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Physician in Charge
Katherine Bain

CARDIAC DIVISION

Physician in Charge
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
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Chief of Gynecological Clinic
John E. Hobbs

Chief of Obstetrical Clinic
Dudley R. Smith

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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
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Ophthalmologist in Chief
Lawrence T. Post

Chief of Ophthalmological Clinic
H. Rommel Hildreth

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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

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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 Hospital1 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'Neil
Melvin A. Roblee
Samuel D. Soule

Neurology
Archie D. Carr
Louis Tureen

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

Dermatology
William G. Coleman

1 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

The facilities of the Isolation Hospital and the City Sanitarium are available for the use of the faculty.
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Director of Physical Education and University Health Service

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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

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First Assistant Treasurer and Assistant Secretary to the Corporation

ANNA DUEKER  .  .  .  .  .  .  .  .  .  .  .  .  .  Second Assistant Treasurer

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

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

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Dr. Graham.

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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:

<table>
<thead>
<tr>
<th>NAME</th>
<th>INTERNSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aff, Helen Margaret, B.S. (Cum Laude)</td>
<td>St. Louis Children's Hospital</td>
</tr>
<tr>
<td>Alvies, Edmund Bennett</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Anderson, Richard Malvin</td>
<td>Grant Hospital, Covington</td>
</tr>
<tr>
<td>Anderson, Vern Henry, A.B</td>
<td>Salt Lake General Hospital, Salt Lake City, Utah</td>
</tr>
<tr>
<td>Bailey, Harmon Jackson, B.S, M.S.</td>
<td>Delaware Hospital, Wilmington, Delaware</td>
</tr>
<tr>
<td>Baker, James Matthews, A.B., B.S</td>
<td>Missouri Baptist Hospital</td>
</tr>
<tr>
<td>Barlow, Ralph Newton, B.S.</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Basman, Jack, A.B., B.S.</td>
<td>Sinai Hospital, Baltimore, Maryland</td>
</tr>
<tr>
<td>Birx, Carl Peter, B.S.</td>
<td>St. Luke's Hospital</td>
</tr>
<tr>
<td>Bohn, Robert William, A.B</td>
<td>Evangelical Deaconess Hospital</td>
</tr>
<tr>
<td>Bohrer, Edward Royce, A.B</td>
<td>DePaul Hospital</td>
</tr>
<tr>
<td>Bowers, Garvey Bruce, B.S., A.M.</td>
<td>Missouri Baptist Hospital</td>
</tr>
<tr>
<td>Bosti, John, Delaware Hospital</td>
<td>Wilmington-Salem, Oregon</td>
</tr>
<tr>
<td>Bricker, Eugene Myron (Cum Laude)</td>
<td>Barnes Hospital</td>
</tr>
<tr>
<td>Brown, John Jefferson</td>
<td>Youngstown City Hospital, Youngstown, Ohio</td>
</tr>
<tr>
<td>Burford, Edgar Humber, B.S.</td>
<td>St. Luke's Hospital</td>
</tr>
<tr>
<td>Bush, Leonard Franklin, B.S.</td>
<td>George F. Geisinger Memorial Hospital,</td>
</tr>
<tr>
<td>Buss, Paul Gerhard, B.S.</td>
<td>Danville, Pennsylvania</td>
</tr>
<tr>
<td>Caldenmeyer, Everett Samuel</td>
<td>St. Louis County Hospital</td>
</tr>
<tr>
<td>Campbell, Thomas Curtis, A.B.</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Culbertson, Roy Frederick, A.B.</td>
<td>Santa Rosa Hospital, San Antonio, Texas</td>
</tr>
<tr>
<td>Davis, Luther, Jr., A.B.</td>
<td>Union Memorial Hospital, Baltimore, Maryland</td>
</tr>
<tr>
<td>Doyle, William Henry, A.B.</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Drake, Frank Rodney, A.B.</td>
<td>St. Luke's Hospital</td>
</tr>
<tr>
<td>Drury, Robert Lamar</td>
<td>St. Luke's Hospital</td>
</tr>
<tr>
<td>Evans, Ezra Levi, Jr., B.S.</td>
<td>Santa Clara County Hospital, San Jose, California</td>
</tr>
<tr>
<td>Fisher, Robert Edmund, A.B., (Cum Laude)</td>
<td>Instructor, Department of Pharmacology</td>
</tr>
<tr>
<td>Friedman, David, B.S.</td>
<td>Jewish Hospital, Chicago, Illinois</td>
</tr>
<tr>
<td>Frisch, Jane Esther</td>
<td>Billings Hospital, Chicago, Illinois</td>
</tr>
<tr>
<td>Frisell, Ben Pat, A.B. (Cum Laude)</td>
<td>Barnes Hospital</td>
</tr>
<tr>
<td>Gist, William Wilmot, A.B., B.S.</td>
<td>Kansas City General Hospital, Missouri</td>
</tr>
<tr>
<td>Greenbaum, Roy</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Greenberg, Ralph, A.B., B.S</td>
<td>Morrisania City Hospital, New York City</td>
</tr>
<tr>
<td>Gettner, Arnold, A.B., B.S</td>
<td>St. Elizabeth's Hospital, Dayton, Ohio</td>
</tr>
<tr>
<td>Hageman, Paul C orn, A.B. (Cum Laude)</td>
<td>New York Hospital, New York City</td>
</tr>
<tr>
<td>Hammond, Everett England</td>
<td>University of Kansas Medical School</td>
</tr>
<tr>
<td>Hampton, Stanley Forrest, A.B.</td>
<td>University Hospitals, Iowa City, Iowa</td>
</tr>
<tr>
<td>Hefflund, Charles John, B.S.</td>
<td>Ancker Hospital, St. Paul, Minnesota</td>
</tr>
<tr>
<td>Hendren, Glenn W., B.S. (Cum Laude)</td>
<td>Kansas City General Hospital, Kansas City</td>
</tr>
<tr>
<td>Herman, Allen Isadore, A.B., B.S</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Hunter, Martin Peters</td>
<td>St. Joseph Hospital, Kansas City, Missouri</td>
</tr>
<tr>
<td>Jegers, Everett Oshourno, A.B.</td>
<td>Assistant, Department of Medicine</td>
</tr>
<tr>
<td>Jekel, Louis Glanz, B.S.</td>
<td>Barnard Free Skin and Cancer Hospital</td>
</tr>
<tr>
<td>Jones, Dorothy Jeannette, A.B. (Cum Laude)</td>
<td>Lakeside Hospital, Cleveland, Ohio</td>
</tr>
<tr>
<td>Jokes, Ralph Russell</td>
<td>St. Vincent's Hospital, Portland, Oregon</td>
</tr>
<tr>
<td>Khoury, Norris Nicholas, B.S.</td>
<td>One Memorial Hospital, Rochester, N. Y.</td>
</tr>
<tr>
<td>Kranon, Seymour Julian, A.B.</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Kunkel, Paul, A.B.</td>
<td>Barnes Hospital</td>
</tr>
<tr>
<td>LeMone, David von Jen Berg, A.B., B.S.</td>
<td>University of Oklahoma Hospitals, Oklahoma City, Oklahoma</td>
</tr>
<tr>
<td>Lesser, Arthur Jacques, A.B</td>
<td>Children's Memorial Hospital, Chicago, Illinois</td>
</tr>
<tr>
<td>Loydig, Stanley Milton, A.B.</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>Lloyd, Leo Walter, B.S.</td>
<td>Strong Memorial Hospital, Rochester, N. Y.</td>
</tr>
<tr>
<td>Marcus, Morris David</td>
<td>St. Louis City Hospital</td>
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<tr>
<td>Marshall, Bromell Moezer, B.S.</td>
<td>University of Oklahoma Hospitals, Oklahoma City, Oklahoma</td>
</tr>
<tr>
<td>McKenzie, Walter Holt, A.B.</td>
<td>St. Louis City Hospital</td>
</tr>
<tr>
<td>McKinstry, Karl Virgil</td>
<td>Evangelical Deaconess Hospital</td>
</tr>
<tr>
<td>Miller, Alva Edward, B.S.</td>
<td>St. Louis City Hospital</td>
</tr>
</tbody>
</table>
The degree of Bachelor of Science in Medical Science was conferred upon the following, June 12, 1934:

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

**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

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 cooperation of the Medical Faculty, reorganized the School in all departments and appointed heads of departments and instructors in anatomy, physiology, biological chemistry, pathology, medicine, surgery, and pediatrics, who devote themselves to teaching and research, and associated

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1 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, 15 of Chemistry (including elementary quantitative analysis and 4 in organic), 8 of General Physics and 8 of Zoology.

(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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1 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.

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

**ELECTIVE COURSES**

It is recommended that students preparing themselves for the study of medicine so arrange their courses as to acquire a more extensive knowledge of the subjects which are the 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Tuition</td>
<td>$400.00</td>
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<tr>
<td>Breakage Deposit</td>
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<tr>
<td>Matriculation Fee (payable once)</td>
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<tr>
<td>Health Service Fee</td>
<td>4.00</td>
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<tr>
<td>Books and Instruments</td>
<td>$ 50.00 to</td>
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<tr>
<td></td>
<td>100.00</td>
</tr>
<tr>
<td>Room and Board (from $6.00 to $15.00 a</td>
<td>210.00 to</td>
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<tr>
<td>week)</td>
<td>500.00</td>
</tr>
<tr>
<td>Total, excluding clothes and incidentals</td>
<td>$679.00 to $1,019.00</td>
</tr>
</tbody>
</table>

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.

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

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>HOURS</th>
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<tr>
<td>Dissection</td>
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<tr>
<td>Histology</td>
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<tr>
<td>Neuroanatomy</td>
<td>100</td>
</tr>
<tr>
<td>Biological Chemistry</td>
<td>264</td>
</tr>
<tr>
<td>Physiology</td>
<td>184</td>
</tr>
<tr>
<td>Histology</td>
<td>168</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>44</td>
</tr>
<tr>
<td>Immunology</td>
<td>311</td>
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<tr>
<td>Pathology</td>
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<tr>
<td>Pharmacology</td>
<td>209</td>
</tr>
<tr>
<td>Surgery</td>
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**Total**                      **1024**

#### THIRD YEAR

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<tr>
<td>Medicine</td>
<td>231</td>
</tr>
<tr>
<td>Neur. &amp; Psychiatry</td>
<td>110</td>
</tr>
<tr>
<td>Dermatology</td>
<td>11</td>
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<td>Surgery</td>
<td>291</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>110</td>
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<tr>
<td>Ophthalmology</td>
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<tr>
<td>Oto-Laryngology</td>
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<td>Pediatrics</td>
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<tr>
<td>Pharmacology</td>
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<td>Public Health</td>
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<tr>
<td>Medical</td>
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<tr>
<td>Jurisprudence</td>
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<tr>
<td>Stomatology</td>
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<tr>
<td>Anatomy</td>
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**Total**                      **1028**

#### SECOND YEAR

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<tr>
<td>Bacteriology</td>
<td>168</td>
</tr>
<tr>
<td>Immunology</td>
<td>44</td>
</tr>
<tr>
<td>Pathology</td>
<td>311</td>
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<tr>
<td>Medicine</td>
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<tr>
<td>Surgery</td>
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**Total**                      **1081**

#### FOURTH YEAR

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<td>Neurology</td>
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<td>Surgery</td>
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<td>Ostetrics and Gynecology</td>
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<td>Pediatrics</td>
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<td>Ophthalmoscopy</td>
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<td>Electives</td>
<td>300</td>
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<td>Military Science</td>
<td>(33)</td>
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<td>Total excluding M. S. &amp; T</td>
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**Total excluding M. S. & T** **1137**

*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.
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

Edward Mallinckrodt Professor Loer; Associate Professor McCordock; Assistant Professors Siebert, Margaret G. Smith; Instructors Thurston, Elizabeth Moore

1 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-

1 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 SCHOOL OF MEDICINE

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, Muckenpuss, Kountz; Instructors Baumgarten, Cook, Sale, Louis H. Hemmelmann, Fischel, Grahm, Evermann, Strauss, Grant, Campbell, Cady, Alfred Goldman, Liggett, Duden, Jensen, Bredeck, Andrews, Day, Heideman, Rusk, Stehoud, Aitken, Jean, MacBryde, Findley, Bromberg; Assistants Luton, Gay, Abel, Becker, Cohen, Senturia, Wiese, Richman Gilliland, Glassberg, Glaze, Mehliten, Milton Smith, Lee B. Harrison, Schregardus, Barger, Cannady, Gottlieb, Miller, Newman, Plumpe, Shirley, Skilling, Jeffreys, Seibel, van Ravenswaay, Henderlite; 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

1 Effective January 1, 1935.
2 Effective May 1, 1935.
3 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 Everhardt)

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 criticized 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.)
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, KUBITSCHEK, BECKMANN, SATTERFIELD; ASSISTANTS LEWALD1, 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)

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1 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 pschiatrical 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 Mook1, 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,

1 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 COPER; ASSISTANT PROFESSORS WILLARD BARTLETT, ARTHUR O. FISHER, STONE, ALLEN, ROSE, COLE, OLCHE, ELMAN, HEINBECKER, CREGO, J. BARRETT BROWN; INSTRUCTORS RAINNEY, J. EDGAR STEWART, THEODORI P. BROOKES, JOSTES, KLEEMME, WOMACK, DEAKIN, SANFORD, WILHELM, HENRY S. BROOKES, JR., PROBST; ASSISTANTS AMOS, WALTON, KEYES, ROBERT BARTLETT, BYARS, COMER, PITTMAN, CANNON, DRAYER, FURLOW, RICHARDSON, ROBERT S. SMITH, DANIEL, PATTON, WILSON, CABITT; FELLOWS RUBINSTEIN, SAMUEL R. SNODGRASS, 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.
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

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)

1 Effective January 1, 1935.
OPHTHALMOLOGY

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

THIRD YEAR

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

FOURTH YEAR

2. OPHTHALMOSCOPY. 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, HOURN, GUGGENHEIM, McMAHON, BIRSNER; INSTRUCTORS COSTEN, WENNER, CONE, ROSSLLEENE A. HETLER, WOLFF, VOTAW; LECTURER LORENTE DE NO; ASSISTANTS HANSON, FREIMUTH, GAGE, GLICK, POTTER, BOEMER, BUHRMESTER, NEMOURS, SCHEEBER, PFINGSTEN, STUTSMAN, ANNEBERG, BATTLES, CLAIR LINTON, KLOTZ, LLOYD LINTON

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)

1 On leave of absence.
2 Resigned February 1, 1935.
3 Effective January 1, 1935.
4 Effective February 1, 1935.
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 outpatient 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, Kubitschek, Rupe, Bain, Perley, Lawrence Goldman, Ormiston;
Assistants Lonsway, Collage, Rohlffe, Mcloon, Deutch, Bauer, Frederick A. Jacobs, Londe, Keiter,
Stanley Harrison, Mack

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

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1 Resigned February 1, 1935.
2 Effective November 7, 1934.
3 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

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.

1 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.
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## WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

Schedule of First Year. December 16-February 1, inclusive

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### Schedule of Second Year. First Trimester 1935-36

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THE SCHOOL OF MEDICINE

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### WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

**Schedule of Third Year. First Trimester**

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<td>3 to 4</td>
<td>Clinical Pathological Confer. Pathology 2</td>
<td>Pathology 1d</td>
<td>Surgery 3</td>
<td>Surgery 3</td>
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<td>4 to 5</td>
<td>Clinical Pathological Confer. Pathology 2</td>
<td>Pathology 1d</td>
<td>Surgery 3</td>
<td>Surgery 3</td>
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<td>Hours</td>
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<td>9 to 10</td>
<td>Pediatrics Clinical Confer. Pediatrics 2</td>
<td>Medicine Recitation Medicine 9</td>
<td>Pharmacology Lecture Pharmacology 1a</td>
<td>Medicine Recitation Medicine 9</td>
<td>Obstetrics Recitation Ob. and Gyn. 1a</td>
<td>Neurology Lecture Neurology 1a</td>
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<td>12 to 1</td>
<td>Surgery Recitation Surgery 2b</td>
<td>Surgery Clinic Surgery 2e</td>
<td>Surgery Conference Surgery 2f</td>
<td>Surgery Conference Surgery 2f</td>
<td>Pharmacology Lecture Pharmacology 1a</td>
<td>Medicine Clinic Medicine 10c</td>
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<td>2 to 3</td>
<td>Gynecology Lecture Ob. and Gyn. 1c</td>
<td>Public Health B. and I. 3</td>
<td>Surgical Pathology Surgery 3</td>
<td>Group A Ob. and Gyn. 1d</td>
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<td>3 to 4</td>
<td>Dietetics Medicine 8</td>
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<td>Clinical Pathological Confer. Pathology 2</td>
<td>Anatomy 4</td>
<td>Public Health B. and I. 3</td>
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<td>TUESDAY</td>
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<td><strong>Pediatrics</strong></td>
<td><strong>Medicine</strong></td>
<td><strong>Laryn. &amp; Rhin.</strong></td>
<td><strong>Medicine</strong></td>
<td><strong>Obstetrics</strong></td>
<td><strong>Pediatrics</strong></td>
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<td>9 to 10</td>
<td>Clinical Confer., Pediatrics 2</td>
<td>Recitation Medicine 9</td>
<td>Lecture Oto-Laryn. 1</td>
<td>Recitation Medicine 9</td>
<td>Ob. and Gyn. 1a</td>
<td>Clinical Confer., Pediatrics 2</td>
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<td>10 to 11</td>
<td>Group A Surgery 2a</td>
<td>Group B Surgery 2a</td>
<td>Group A Surgery 2a</td>
<td>Group A Surgery 2a</td>
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<td>Group B Ob. and Gyn. 1b</td>
<td>1/2 Neurology 1c</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>1/2 Neurology 1c</td>
<td>Group B Ob. and Gyn. 1b</td>
<td>Group B Ob. and Gyn. 1b</td>
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<td>12 to 1</td>
<td>Fractures Surgery 2c</td>
<td>Surgery Clinic Surgery 2e</td>
<td>Dietetics Medicine 8</td>
<td>Surgery Conference Surgery 2f</td>
<td>Psychiatry 2</td>
<td>Medicine Clinic Medicine 10c</td>
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<td>2 to 3</td>
<td>Dermatology Lecture</td>
<td>Laryn. &amp; Rhin. Lecture</td>
<td>Operative Surgery</td>
<td>Group B</td>
<td>Surgical Pathology</td>
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<td>Oto-Laryn. 1</td>
<td>Surgery</td>
<td>Ob. and Gyn. 1d</td>
<td>Ob. and Gyn. 1d</td>
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<td>3 to 4</td>
<td>Ophthalmology Lecture</td>
<td>Stomatology</td>
<td>2 Sections 1/2 trimester each</td>
<td>Surgical Pathology</td>
<td>Surgery 3</td>
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<td>Ophthalmal. a</td>
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<td>4 to 5</td>
<td>Clinical Pathological</td>
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<td>Medical Jurisprudence</td>
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</table>
| 9 to 12 | Medicine 10. Ward Work, Barnes Hospital, or Out Patient Work, Clinics.  
| 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 | ½ Group. Ward Work, Barnes Hospital.  
½ Group. Elective Work. |
| 4 to 5 | Clinical Pathological Conference  
Pathology 2  
I & II Trimesters | 1 | 1 | 1 | 1 | 1 |

¹ Electives.
<table>
<thead>
<tr>
<th>HOURS</th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 to 12</td>
<td>Surgery 4a. Ward Work, Barnes or St. Louis Children’s Hospital.</td>
<td>Surgery 4b</td>
<td>Pediatrics 4</td>
<td>Medicine 10b</td>
<td>Ob. and Gyn. 2b Lecture II Trimester</td>
<td>Medicine 10c</td>
</tr>
<tr>
<td>12 to 1</td>
<td>Neurology Clinic 3b</td>
<td>Surgery Clinic</td>
<td>Pediatrics 4</td>
<td>Medicine Clinic</td>
<td>Ob. and Gyn. 2b Lecture II Trimester</td>
<td>Medicine Clinic</td>
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<td>2 to 4</td>
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<td>4 to 5</td>
<td>Clinical Pathological Conference Pathology 2 I &amp; II Trimesters</td>
<td>1</td>
<td>1</td>
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</table>

1 Electives.
### Schedule of Fourth Year: Group C, First Trimester; Group A, Second Trimester; Group B, Third Trimester

<table>
<thead>
<tr>
<th>Hours</th>
<th>Monday</th>
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<th>Wednesday</th>
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<tr>
<td>10-12</td>
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<td>1</td>
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<td>1</td>
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<tr>
<td>12-1</td>
<td>Neurology Clinic 3b.</td>
<td>Surgery Clinic</td>
<td>Pediatric Clinic</td>
<td>Medicine Clinic</td>
<td>Ob. and Gyn. 2b Lecture II Trimester</td>
<td>Medicine Clinic 10c</td>
</tr>
<tr>
<td>2-4</td>
<td>Section 1. Obstetrics 2c. Ward Work, St. Louis Maternity Hospital.</td>
<td>Section 2.  Ophthalmoscopy, Wednesday or Thursday.</td>
<td>Section 2.  Elective Work, other days.</td>
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</tr>
<tr>
<td>4-5</td>
<td>Clinical Pathological Conference Pathology 2 I &amp; II Trimesters</td>
<td></td>
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</tr>
</tbody>
</table>

*Electives.*
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.\(^1\) (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.\(^1\) (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.\(^1\) (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.\(^1\) (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.\(^1\) (10 a. m. to 12 m.)

\(^1\) 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.¹ (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.

¹ Additional hours by arrangement.
PHYSICIANS ATTENDING GRADUATE COURSES BETWEEN JANUARY 1 AND DECEMBER 31, 1934

Brown, Clarence J., M.D. Oto-Laryngology. Washington, D.C.


Closson, Harold O., M.D. Internal Medicine. Ashland, Ky.

Coburn, James R., M.D. Obstetrics and Gynecology. St. Louis, Mo.


Gerrie, John W., M.D., C.M. Oto-Laryngology. Edmonton, Alberta, Can.


Hawkins, James M., M.D. Obstetrics and Gynecology. Watertown, N. Y.

Henning, Garold G., M.D. Obstetrics and Gynecology. Norfolk, N. Y.

Herring, Preston S., M.D. Internal Medicine. Vicksburg, Miss.


Humphreys, Samuel T., M.D. Obstetrics and Gynecology. Nocona, Tex.

Kontas, Pearl V., M.D. Pediatrics. Santa Rosa, Calif.

Lavengood, Russell W., M.D. Obstetrics and Gynecology. Marion, Ind.

MacIntyre, Vincent M., M.D. Obstetrics and Gynecology. Binghamton, N. Y.


McKee, Junius E., M.D. Obstetrics and Gynecology. Payetteville, N. C.


Mitchell, Charles B., M.D. Oto-Laryngology. State College, Miss.


Page, Raymond L., M.D. Internal Medicine. Mobile, Ala.


Schlesing, Clifford A., M.D. Obstetrics and Gynecology. Salamanca, N. Y.


Thompson, John R., Jr., M.D. Internal Medicine. Jackson, Tenn.


Wohlrab, Raymond B., M.D. Pediatrics. Rochester, N. Y.


Total, 45

FOURTH YEAR CLASS

Abbey, Mary Caroline. A.B., Univ. of Mo., '32. B.S., Univ. of Mo., '33. Blackwater, Mo.

Abney, Mary Caroline. A.B., Univ. of Mo., '32. B.S., Univ. of Mo., '33. Blackwater, Mo.


Amlin, Kenneth Miller A.B., Univ. of Calif., at Los Angeles, '31. Los Angeles, Calif.

Ames, Richard Howell B.S., Stanford University, Calif. Stanford University, Calif.

Amlin, Kenneth Miller A.B., Univ. of Calif., at Los Angeles, '31. Los Angeles, Calif.

Barnett, Floyd Aaron A.B., Univ. of Mo., '32. Columbia, Mo.


Bishop, Don L. A.B., Univ. of Mo., '31. Belton, Mo.

Bishop, Don L. A.B., Univ. of Mo., '31. Belton, Mo.

Burt, Arthur Robert A.B., Univ. of Mo., '31. St. Louis, Mo.

Burt, Arthur Robert A.B., Univ. of Mo., '31. St. Louis, Mo.


Brown, Walter Earl, Jr. B.S., Univ. of Va., '31. Tulsa, Okla.
Budike, Robert Julius.............................................St. Louis, Mo.
Bullington, Bert Montell..........................................East Peoria, Ill.
Cariss, Daniel George...........................................Granite City, Ill.
Caruso, Paul Felix....................................................Rutherford, N. J.
Conrad, Raymond Clifford........................................Perryville, Mo.
A.B., Univ. of Mo., '32.
Crigler, Ralph Ewing.................................................Alma, Ark.
B.S., Univ. of Ark., '39.
Downing, Sam William, Jr........................................New Franklin, Mo.
A.B., Central Coll., '29.
B.S., Univ. of Mo., '33.
Echternacht, Arthur Paul........................................St. Louis, Mo.
B.S., 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.............................................Solo, Ohio
A.B., Ohio State Univ., '32.
Flandrau, Israel Jerome............................................Brooklyn, N. Y.
Fleischman, 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., '31.
Graul, Elmer George.................................................St. Louis, Mo.
Growdon, John Arthur...............................................Joplin, Mo.
B.S., Univ. of Mo., '33.
Haffner, Helen.......................................................El Paso, Tex.
B.S., Univ. of Ariz., '31.
Hamann, Carl Henry................................................Canton, Mo.
B.S., Culver-Stockton Coll., '31.
Harris, Alfred William.............................................East St. Louis, Ill.
Hartman, Paul Utey...................................................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............................................................Arton, Ala.
A.B., Univ. of Ala., '32.
Jensen, Nathan Kenneth...........................................Rupert, Idaho
Johnson, Norman Martin........................................University City, Mo.
Jones, Augustin........................................................St. Louis, Mo.
Jones, John Ben......................................................La Plata, Mo.
B.S., Northeast Mo. State Teachers Coll., '31.
Katzfist, Jacob........................................................Brooklyn, N. Y.
B.S., Univ. of Louisville, '31.
Kellogg, Pearson Cameron.........................................Sacramento, Calif.
Kendalmore, Bruce Delozier......................................Webster Groves, Mo.
Kimes, Ira David......................................................Camden, 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.
A.B., Univ. of Mo., '32.
Krause, Albert Henry..............................................St. Louis, Mo.
A.B., Univ. of Mo., '32.
Langham, Charles Lewis..........................................Webster Groves, Mo.
Langston, Walter Roland..........................................Springfield, Mo.
B.S., Drury Coll., '28.
B.S., Univ. of Mo., '33.
Larson, Kenneth Victor............................................Clayton, Mo.
B.S., Hastings Coll., '39.
Loeffel, Ellen Shattuck .................................................. Webster Groves, Mo.  
A.B., Mount Holyoke Coll., '28.

Martin Bruce Carson .................................................. East Prairie, Mo.  
Massie, Edward .......................................................... St. Louis, Mo.  

Maughs, Sydney Brown .................................................. St. Louis, Mo.  

McAdam, Charles Rush .................................................. Prairie Hill, Mo.  
A.B., Central Coll., '29.

McArthur, Thomas Roscoe .............................................. New Boston, Mo.  
B.S., Northeast Mo. State Teachers Coll., '29.

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.  
A.B., University of Calif., '26.

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 Selden ....................................................... St. Louis, Mo.  
A.B., Univ. of Mo., '31.

Porter, Clark Gardner ................................................... Alton, Ill.  

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.  
A.B., Univ. of Mo., '32.

Ruan, Dominic Tom ...................................................... Brooklyn, N. Y  
A.B., Univ. of Ala., '32.

Schmitt, Herbert Simon ............................................... Evansville, Ind.  
B.S., St. Louis Univ., '28.

Schwartzmann, Bernard .............................................. Maplewood, Mo.  
M.S., St. Louis Univ., '31.

Seddon, John Wickham ................................................ St. Louis, Mo.  
Ph.B., Yale Univ., '31.

Senturia, Emment Jacob ............................................... St. Louis, Mo.  

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.

Stieger, Alexander ...................................................... St. Louis, Mo.  
B.S., Washington Univ., '27.

Stephens, Robert Louis .............................................. Joplin, Mo.  

Stephens, William Alvin ............................................. Maplewood, Mo.  
A.B., Washington Univ., '32.

Sutter, Richard Anthony .............................................. University City, Mo.  

Swinnery, Robert Harold ............................................. Richfield, Idaho  

Tolle, Robert Leander ................................................ Lake Wales, Fla.  
B.S., Southern Coll., '28.

Vleaux, Julius Walker ................................................ Green Bay, Wis.  
B.S., Northwestern Univ., '31.

Wallace, Edwin Sharp ............................................... Lexington, Mo.  

Wallace, William Stuart ............................................. St. Louis, Mo.  

Welsher, David Otis ..................................................... Brooklyn, N. Y.  
A.B., Ind. Univ., '31.

Wiesman, Irvin .......................................................... Granite City, Ill.  

Williams, John Wiley .................................................. Oak Grove, Mo.  
A.B., Univ. of Mo., '31.

Wilson, William Kindred .............................................. Haleyville, Ala.  
A.B., Univ. of Ala., '32.
THE SCHOOL OF MEDICINE

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.

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., '33.
Attivon, Herbert Raymond .......................................................... University City, Mo.
A.B., Washington Univ., '32.
Basham, John Henry ................................................................. Wichita, Kans.
A.B., Univ. of Wichita, '33.
Berens, Norbert Henry ............................................................... Summerfield, Kans.
A.B., Washington Univ., '32.
Berkowitz, Morris ................................................................. Kansas City, Mo.
Breslin, Charles Alonzo ............................................................. Jefferson City, Mo.
A.B., Simmons Univ., '27.
B.S., Univ of Mo., '34.
Brewer, 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.
A.B., Univ. of Mo., '32.
Calihan, 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.
Coley, Fred Everett, Jr .............................................................. Phoenix, Ariz.
A.B., Univ. of Southern Calif., '32.
Cromer, 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.
B.S., Yale Univ., '38.
Dhonoll, Robert Hart, Jr ......................................................... Hematite, Mo.
A.B., Univ. of Mo., '33.
B.S., Univ. of Mo., '34.
Drecker, 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., '32.
Drinkard, Robert Urie, Jr .......................................................... Wheeling, W. Va.
Dunn, Robert Cecil ................................................................. Groton, S. Dak.
A.B., Univ. of S. Dak, '32.
A.M., Univ. of S. Dak, '34.
Dworkin, Saul ................................................................. Cleveland, Ohio
E. Adelbert Coll., '32.
Earp, Ralph Kenneth .............................................................. El Dorado, Kans.
B.S., Washburn Coll., '31.
Edmonds, Henry Wolfner .......................................................... St. Louis, Mo.
Edwards, Howard Keary ............................................................ Coral Gables, Fla.
B.S., Univ. of Miami, '32.

THIRD YEAR CLASS

Total, 92.
<table>
<thead>
<tr>
<th>Name</th>
<th>College</th>
<th>Major, University</th>
<th>City, State</th>
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<tr>
<td>Ellis, Stephen Stuart</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Coffeyville, Kans.</td>
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<tr>
<td>Engel, Edgar Leo</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Evansville, Ind.</td>
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<tr>
<td>Epps, Curtis Howard</td>
<td>Drury Coll.</td>
<td>B.S.</td>
<td>Springfield, Mo.</td>
</tr>
<tr>
<td>Faris, John Calvin</td>
<td>Colby Coll.</td>
<td>B.S.</td>
<td>Caruthersville, Mo.</td>
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<td>Flynn, John Francis</td>
<td>Drury Coll.</td>
<td>B.S.</td>
<td>Springfield, Mo.</td>
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<tr>
<td>Hauptman, Harry</td>
<td>Washington Univ.</td>
<td>A.B.</td>
<td>Jersey City, N.J.</td>
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<td>Hetherington, Jessie Tharp</td>
<td>Univ. of Mich.</td>
<td>A.B.</td>
<td>St. Louis, Mo.</td>
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<tr>
<td>Hollabaugh, Samuel Morris</td>
<td>Univ. of Calif.</td>
<td>A.B.</td>
<td>Los Angeles, Calif.</td>
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<tr>
<td>Horner, John Linscott</td>
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<td>A.B.</td>
<td>St. Louis, Mo.</td>
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<td>Jacobson, William Henry</td>
<td>Univ. of Pittsburgh</td>
<td>B.S.</td>
<td>Canton, Ohio</td>
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<td>Jacobson, William Henry</td>
<td>Adelbert Coll.</td>
<td>A.B.</td>
<td>Cleveland, Ohio</td>
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<td>Kahn, Nathan Robert</td>
<td>Ohio State Univ.</td>
<td>A.B.</td>
<td>Brooklyn, N.Y.</td>
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<td>Kaplan, Albert</td>
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<td>St. Louis, Mo.</td>
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<td>Klingner, George Malcolm</td>
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<td>Springfield, Mo.</td>
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<td>Leech, Charles Albert Jr</td>
<td>Univ. of Mo.</td>
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<td>New Franklin, Mo.</td>
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<td>Long, Irl Richard</td>
<td>Central Coll.</td>
<td>A.B.</td>
<td>Pacific, Mo.</td>
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<td>Lundmark, Vernon Oscar</td>
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<td>Seattle, Wash.</td>
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<td>Mc Dowell, Frank</td>
<td>Washington Univ.</td>
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<td>McMillan, Thomas Eugene</td>
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<td>McNamara, Thaddeus Maria Jr</td>
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<td>A.B.</td>
<td>Bakersfield, Calif.</td>
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<td>McVety, Thomas Wilson</td>
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<td>Normal, Ill.</td>
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<td>Meadows, Henry Howard Jr</td>
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<td>Lowndesboro, Ala.</td>
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<td>Miller, Edward Allison</td>
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<td>Miller, Ivan Jenks</td>
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<td>Minzel, Wesley Charles</td>
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<td>Morrison, James Donald</td>
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<td>Mueller, Robert John</td>
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<td>Nussbaum, Robert Allen</td>
<td>Washington Univ.</td>
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<td>Pettus, Florence</td>
<td>Bryn Mawr Coll.</td>
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<td>St. Louis, Mo.</td>
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<td>Name</td>
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<td>Plymale, John</td>
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<td>Schneider, Sam</td>
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<td>Tidrick Robert</td>
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<td>Trowbridge, Elwell</td>
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<td>Ursin, Oscar</td>
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<td>West, Warren</td>
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<td>Bassman, Roland</td>
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<td>Bottom, Donald</td>
<td>A.B., Univ. of Ky., '32</td>
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<td>Young, William</td>
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<td>Zonnis, Marian</td>
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<th>Name</th>
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<td>Adler, Bernard</td>
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<td>Adler, Morton</td>
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<td>Barnes, Marian</td>
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<td>Bassman, Roland</td>
<td>B.S., Univ. of Chicago, '27</td>
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<td>Bassler, Edward</td>
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<td>Bottom, Donald</td>
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<td>Bourland, John</td>
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<td>Brenner, Paul</td>
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<td>Brodsky, Samuel</td>
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<td>Burch, Earl</td>
<td>A.B., Grinnell Coll., '33</td>
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Total, 98.

SECOND YEAR CLASS

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<td>Bassman, Roland</td>
<td>B.S., Univ. of Chicago, '27</td>
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<td>Bassler, Edward</td>
<td>A.B., Harvard Coll., '33</td>
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<td>Bottom, Donald</td>
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<td>Bourland, John</td>
<td>A.B., Harvard Coll., '33</td>
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<td>Brenner, Paul</td>
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<td>Brodsky, Samuel</td>
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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.
  A.B., Drake Univ., '33.
Connell, John Richard .............................................................. Des Moines, Iowa
  A.B., Washington Univ., '32.
Compton, Martin Andrew ........................................................... East St. Louis, I11.
  A.B., Washington Univ., '32.
Brlanger, Herman ................................................................. St. Louis, Mo.
  A.B., Univ. of Wis., '33.
Florio, Joseph Anthony ............................................................... Syracuse, N. Y.
  A.B., Oberlin Coll., '33.
Gann, Eldred La Monte .............................................................. Burden, Kans.
  B.S., Kansas State Agri. Coll., '29.
   M.S., Kansas State Agri. Coll., '33.
Gellhorn, Alfred ........................................................................... St. Louis, Mo.
  A.B., Richmond Coll., '33.
Gellrich, James Anthony .............................................................. St. Louis, Mo.
  A.B., Washington Univ., '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.
  B.S., Westminster Coll., '33.
Huntley, Henry Clay ................................................................. Steele, Mo.
  A.B., Washington Univ., '33.
Kanda, Robert Tadaho ................................................................. 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 Engelma, Jr. ....................................................... Belleville, Ill.
  A.B., Yale Coll., '33.
Kostman, David Eli ........................................................................ St. Louis, Mo.
  A.B., Washington Univ., '33.
Kusuda, 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.
Lyden, Harold Ray, Jr. ............................................................... Kansas City, Mo.
  A.B., Univ. of Mo., '33.
Lyman, Edward Harry ................................................................. St. Louis, Mo.
  A.B., Howard Williams, Jr.
Lytle, Howard Williams, Jr. .......................................................... Lodi, Calif.
  A.B., Stanford Univ., '33.
Martin, Charles Ellerbrock .......................................................... St. Louis, Mo.
  A.B., Washington Univ., '33.
McColl, Edwin Leman ................................................................. 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.
Melsenbach, Albert Edward, Jr. ................................................... St. Louis, Mo.
  A.B., Washington Univ., '33.
Mendecos, Lawrence Ernest ........................................................ University City, Mo.
  A.B., Washington Univ., '33.
Miksicek, John Edward.................................................. St. Louis, Mo.
Mountjoy, Phillip Shannon........................................ St. Louis, Mo.
A.B., Washington Univ., '33.
Owen, Walter Edwin, Jr............................................. Clinton, Mo.
A.B., Westminster Coll., '33.
Pareda, Morton Donald............................................. St. Louis, Mo.
A.B., Washington Univ., '33.
Petersen, Ralph Clarence........................................... Seattle, Wash.
B.S., Univ. of Wash., '33.
Ponter, 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, Ilia Marie................................................................ Richmond Heights, Mo.
A.B., Univ. of Colo., '27.
M.S., Washington Univ., '32.
Sleber, 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.
Tversky, Edgar Louis.................................................. St. Louis, Mo.
Vauphan, 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, 78.

FIRST YEAR CLASS

Abrahams, Harry Harvey............................................. Long Beach, N. Y.
A.B., Cornell Univ., '34.
Akser, 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.
Bryant, 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 Ething ........................................ Belleville, Ill.
A.B., Bradley Poly. Inst, '34.
Danneker, Robert Allen ................................. Merced, Calif.
A.B., Stanford Univ., '34.
Davis, Lawrence Elton ...................................... Cashmere, Wash.
E.S., Univ. of Wash., '33.
Deenges, James Luther .................................. University City, Mo.
Early, Cren Woosida ..................................... Graham, Mo.
Findley, James Wallace .................................... University City, Mo.
Freedman, Harold ............................................. Brooklyn, N. Y.
Gilbert, Harold Raymond ................................. Cleveland, Ohio
A.B., Adelbert Coll., '33.
Gill, Dorothy ............................................... Seattle, Wash.
E.S., Univ. of Wash., '32.
Hartline, John Donald .................................... Danville, Ill.
A.B., DePauw Univ., '34.
Hartman, Paul Turner ..................................... St. Louis, Mo.
A.B., Washington Univ., '34.
Hawker, William Davlb ..................................... St. Louis, Mo.
E.S., Shurtleff Coll., '34.
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.
Jordon, Horace Edgar ..................................... Anderson, Ind.
Jones, James Buckner ..................................... Piedmont, Mo.
Kilgore, Nathan ............................................. Pittsburgh, Pa.
B.S., Univ. of Pittsburgh, '33.
King, Jane McKown ........................................ St. Louis, Mo.
A.B., Washington Univ., '34.
Kinz, Louis Philip, Jr .................................... St. Louis, Mo.
A.B., Washington Univ., '34.
Koch, Pearl Elizabeth .................................... St. Louis, Mo.
Kohler, Lawrence Melvin ................................ St. Louis, Mo.
A.B., Washington Univ., '34.
Lathiner, 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, Vivian Forman .................................... Galesburg, Ill.
A.B., Knox Coll., '34.
Lynn, Theodore Ayres ..................................... San Francisco, Calif.
Mangrum, 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.
Millner, Clyde Rogers ..................................... St. Louis, Mo.
A.B., Univ. of Mo., '34.
Moore, William Alonso .................................... 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 .............................................. Bronx, N. Y.
A.B., Univ. of N. Y., '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.

Smith, Warren Ferguson, Jr ............................................ Univ. of N. E., '34.

Spitz, Milton Adolph ..................................................... Milwaukee, Wis.
A.B., Dartmouth Coll., '34.

Stein, Howard Abraham ................................................... East Cleveland, Ohio

Stull, John DeSears ....................................................... Ferguson, Mo.
A.B., Univ. of Iowa, '34.

Takenaka, Kametchi ....................................................... Honolulu, T. H.

B.S., Univ. of Hawaii, '34.


Thompson, Roy ............................................................. Woodland, Calif.

Tuskegee Inst., 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.


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

Graduate Students ......................................................... 45
Fourth Year Class .......................................................... 92
Third Year Class ........................................................... 98
Second Year Class ......................................................... 76
First Year Class ............................................................ 84

Total, 395
# INDEX

<table>
<thead>
<tr>
<th>Admission</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements for to Advanced Standing</td>
<td>38</td>
</tr>
<tr>
<td>to Graduate Courses</td>
<td>40</td>
</tr>
<tr>
<td>Anatomy</td>
<td>50</td>
</tr>
</tbody>
</table>

| Bacteriology and Immunology | 54   |
| Biological Chemistry       | 52   |
| Boards (University)        | 28   |

| Calendar                    | 3    |
| Clinical Facilities         | 34   |
| Clinics Staff               | 22   |
| Committees                 | 29   |
| Corporation, The           | 5    |

| Courses                    |      |
| Elective                   | 88   |
| Post-Graduate              | 74   |
| Schedule of                | 76   |
| Curriculum, 1934-35        | 49   |

| Degrees                    |      |
| Conferred in June, 1934    | 31   |
| Requirements for           | 41   |
| Dermatology                | 63   |
| Dormitory                  | 49   |

| Executive Faculty          | 29   |
| Expenses                   | 45   |

| Fees                       | 44   |
| Fellowships                | 42   |

| Historical Statement       | 33   |
| Hospital                   |      |
| Appointments               | 41   |
| Staffs                     | 18   |

<table>
<thead>
<tr>
<th>Instruction</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Plan of</td>
<td>46</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>59</td>
</tr>
<tr>
<td>Library</td>
<td>35</td>
</tr>
<tr>
<td>Loan Funds</td>
<td>43</td>
</tr>
<tr>
<td>Medical Ethics</td>
<td>74</td>
</tr>
<tr>
<td>Medical Jurisprudence</td>
<td>74</td>
</tr>
<tr>
<td>Military Science and Tactics</td>
<td>73</td>
</tr>
<tr>
<td>Neurology and Psychiatry</td>
<td>62</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>69</td>
</tr>
<tr>
<td>Officers</td>
<td></td>
</tr>
<tr>
<td>Business and Other</td>
<td>28</td>
</tr>
<tr>
<td>Government and Instruction</td>
<td>6</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>68</td>
</tr>
<tr>
<td>Oto-Laryngology</td>
<td>68</td>
</tr>
<tr>
<td>Pathology</td>
<td>55</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>71</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>57</td>
</tr>
<tr>
<td>Physical Therapeutics</td>
<td>74</td>
</tr>
<tr>
<td>Physiology</td>
<td>53</td>
</tr>
<tr>
<td>Prizes</td>
<td>42</td>
</tr>
<tr>
<td>Public Health</td>
<td>55</td>
</tr>
<tr>
<td>Radiology</td>
<td>67</td>
</tr>
<tr>
<td>Registration</td>
<td>43</td>
</tr>
<tr>
<td>Scholarships</td>
<td>42</td>
</tr>
<tr>
<td>Standing and Promotion</td>
<td>40</td>
</tr>
<tr>
<td>Stomatology</td>
<td>74</td>
</tr>
<tr>
<td>Students</td>
<td></td>
</tr>
<tr>
<td>List of</td>
<td>90</td>
</tr>
<tr>
<td>Summary of</td>
<td>99</td>
</tr>
<tr>
<td>Surgery</td>
<td>64</td>
</tr>
<tr>
<td>Trachoma Commission</td>
<td>73</td>
</tr>
</tbody>
</table>
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