



**THE UNIVERSITY OF  
TEXAS**  
PUBLICATION

**SOUTHWESTERN  
MEDICAL SCHOOL  
OF THE UNIVERSITY OF TEXAS**  
*Dallas, Texas*

**PART XIV OF THE CATALOGUE**  
**1954-1955**



## CATALOGUE

The following bulletins comprise the Catalogue of the University:

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- PART II *College of Pharmacy*
- PART III *College of Business Administration*
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- PART XIII *College of Education*
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## DEGREES

In the bulletin of each college or school information will be found concerning all degrees offered in that college or school.

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# SOUTHWESTERN MEDICAL SCHOOL OF THE UNIVERSITY OF TEXAS

PART XIV OF THE CATALOGUE

1953-1954

*With Announcements for*

1954-1955



PUBLISHED BY  
THE UNIVERSITY OF TEXAS : AUSTIN  
APRIL 1, 1954



*The benefits of education and of useful knowledge, generally diffused through a community, are essential to the preservation of a free government.*

SAM HOUSTON

*Cultivated mind is the guardian genius of Democracy, and while guided and controlled by virtue, the noblest attribute of man. It is the only dictator that freemen acknowledge, and the only security which freemen desire.*

MIRABEAU B. LAMAR



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# CALENDAR

1954-1955

## 1954

September 8-11	<i>Registration</i>
September 13	<i>Classes begin, 8 a.m.</i>
November 24	<i>Thanksgiving holidays begin, 5 p.m.</i>
November 29	<i>Classes resume, 8 a.m.</i>
December 5	<i>First Term ends</i>
December 6	<i>Second Term begins</i>
December 18	<i>Christmas holidays begin, 5 p.m.</i>

## 1955

January 3	<i>Classes resume, 8 a.m.</i>
March 13	<i>Second Term ends</i>
March 14	<i>Third Term begins</i>
April 7	<i>Easter holidays begin, 5 p.m.</i>
April 11	<i>Classes resume, 8 a.m.</i>
May 7	<i>Final examinations for seniors</i>
May 15	<i>Bound graduate theses to dean</i>
June 4	<i>Classes end, 5 p.m.</i>
June 6	<i>Commencement</i>
June 6-8	<i>Final examinations for freshmen, sophomores, and juniors</i>
June 8	<i>School year ends</i>

# BOARD OF REGENTS

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\* The Chairman of the Board is an *ex officio* member of each committee.



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HARLOW ADES, *Professor of Anatomy*, B.S., Illinois, 1934; M.S., 1935; Ph.D., 1938  
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- LIBERO AJELLO, *Lecturer in Microbiology*, A.B., Columbia, 1938; M.A., 1940; Ph.D., 1947
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- JO C. ALEXANDER, *Clinical Professor of Urology*, M.D., Tennessee, 1915
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- AVERY LON COTTON, *Clinical Instructor in Pediatrics*, M.D., Tennessee, 1945
- KELLY COX, *Clinical Professor of Ophthalmology*, B.A., Hardin-Simmons, 1916; M.D., Baylor, 1920
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- WILLIAM MONROE DAILY, *Clinical Assistant Professor of Internal Medicine*, B.A., Ouachita, 1937; M.D., Arkansas, 1941
- IVAN EDWARD DANHOF, *Instructor in Physiology*, B.A., M.A., North Texas State, 1949; Ph.D., Illinois, 1953
- RUBY KATHRYN DANIEL, *Clinical Assistant Professor of Ophthalmology*, M.D., Baylor, 1928; M.S., Minnesota, 1938
- LAWRENCE EARL DARROUGH, *Clinical Instructor in Otolaryngology*, M.D., Washington (St. Louis), 1924
- RICHARD A. DATHE, *Clinical Assistant Professor of Internal Medicine*, B.S., Southern Methodist, 1931; M.D., Baylor, 1933
- FRANK L. DAVIDSON, *Clinical Assistant Professor of Anesthesiology*, M.D., Medical Evangelists, 1942
- VANDA A. DAVIDSON, *Clinical Assistant Professor of Obstetrics & Gynecology*, B.S., Louisiana Polytechnical, 1938; M.D., Tulane, 1942
- MILTON VICTOR DAVIS, *Clinical Instructor in Surgery*, M.D., Southwestern Medical, 1944
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- WILLIAM PERKINS DEVEREUX, *Clinical Associate Professor of Obstetrics & Gynecology*, B.A., Texas, 1928; M.D., 1932
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- HOWARD A. DILLER, *Fellow in Pediatrics*, B.S., Harvard, 1944; M.D., Southwestern Medical, 1951
- HOMER DONALD, *Consultant in Internal Medicine*, B.S., Westminster, 1908; M.D., Texas, 1912
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- WILLIAM GARNER EVANS, *Clinical Instructor in Surgery*, B.A., Texas, 1944; M.D., Johns Hopkins, 1947
- GLADYS JEANNETTE FASHENA, *Professor of Pediatrics and Acting Chairman of the Department*, B.A., Hunter, 1929; M.A., Columbia, 1930; M.D. Cornell, 1934
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- FRED GILROY POPKESS, *Clinical Assistant in Internal Medicine*, B.S., Southern Methodist, 1940; M.D., Oklahoma, 1943
- GEORGE LESLIE PORTER, *Clinical Instructor in Pediatrics*, B.A., M.D., Baylor, 1934
- JOHN CHARLES PORTER, *Instructor in Physiology*, B.A., Baylor, 1949; M.A., Texas Technological, 1950; Ph.D., Iowa State, 1952
- ROBERT KENNEDY PORTMAN, *Clinical Assistant in Internal Medicine*, B.S., Southern Methodist, 1937; M.D., Baylor, 1941
- WILLIAM HENRY POTTS, *Clinical Assistant Professor of Internal Medicine*, B.A., Texas, 1922; M.D., Harvard, 1926

- JOHN POWELL, JR., *Clinical Instructor in Psychiatry*, B.S., Texas, 1937; M.D., 1939
- HUGH S. POWERS, *Clinical Instructor in Pediatrics*, B.S., Virginia, 1938; M.D., 1940
- ORAN VINCENT PREJEAN, *Clinical Associate Professor of Obstetrics & Gynecology*, B.S., Southwestern Louisiana, 1935; M.D., Tulane, 1937
- JAMES JOSEPH QUILLIGAN, *Associate Professor of Pediatrics*, B.A., Ohio, 1936; M.D., Cincinnati, 1940
- LESTER HALE QUINN, *Clinical Professor of Ophthalmology*, B.A., Indiana, 1921; M.D., 1927
- MILDRED RAIBLE, *Clinical Instructor in Psychiatry*, B.A., Pomona, 1922; M.S.S., Smith, 1923
- PAUL MILLIGAN RATTAN, *Clinical Instructor in Internal Medicine*, M.D., Baylor, 1933
- WALTER GRADY REDDICK, *Clinical Professor of Internal Medicine*, B.S., Southern Methodist, 1919; M.D., Northwestern, 1924
- ALLEN FRANCIS REID, *Professor of Biophysics and Chairman of the Department*, B.S., Minnesota, 1940; M.A., Columbia, 1942; Ph.D., 1943
- ELINOR CALMBACH REINMILLER, *Assistant Librarian and Assistant in Library Science*, B.A., Iowa, 1939; B.S. in L.S., North Texas State, 1947
- DAVID D. REISMAN, *Clinical Instructor in Urology*, B.A., Wayne, 1939; M.D., 1943
- HARRY J. RENKEN, JR., *Clinical Instructor in Internal Medicine*, B.S., Southern Methodist, 1946; M.D., Southwestern Medical, 1947; M.S., Baylor, 1951
- WILLIAM SOMERS REYNOLDS, *Clinical Assistant in Internal Medicine*, B.S., Howard, 1938; M.D., Louisville, 1942
- EDWARD R. RICHARDSON, *Clinical Instructor in Orthopedic Surgery*, B.A., Dartmouth, 1939; M.D., Albany, 1943
- PAUL RICHBURG, *Clinical Instructor in Internal Medicine*, B.S., Decatur, 1938; M.D., Southwestern Medical, 1947
- MARION BALLARD RICHMOND, *Clinical Assistant Professor of Psychiatry*, B.S., Maryland, 1937; M.D., 1941
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- JOSEPH MURRAY RIDDELL, *Clinical Instructor in Dermatology & Syphilology*, B.A., Texas, 1941; M.D., Baylor, 1946
- EDWIN LUTHER RIPPY, *Clinical Associate Professor of Internal Medicine*, B.S., Southern Methodist, 1929; M.D., Baylor, 1931
- LLOYD FRANCIS RITCHEY, *Clinical Instructor in Otolaryngology*, M.D., Arkansas, 1943



- JOSEPH GARLAND ROACH, *Clinical Instructor in Pediatrics*, B.S., Baylor, 1942; M.D., Southwestern Medical, 1945
- MARGARET COX ROBBINS, *Assistant in Biophysics*, B.S., North Texas State, 1943; M.S., 1947
- TOM RAY ROBERTS, *Clinical Assistant in Internal Medicine*, B.A., Texas, 1940; M.D., 1942
- JAMES EASTON ROBERTSON, *Clinical Assistant Professor of Internal Medicine*, M.D., Harvard, 1935
- WAYNE T. ROBINSON, *Consultant in Obstetrics & Gynecology*, M.D., Vanderbilt, 1908
- EUGENE DAVID ROSENBLUM, *Assistant Professor of Microbiology*, B.A., Brooklyn, 1941; M.S., Wisconsin, 1948; Ph.D., 1950
- EDWARD STILL ROSS, *Clinical Assistant Professor of Internal Medicine*, B.S., Baylor, 1924; M.D., 1928
- CURTICE ROSSER, *Clinical Professor of Proctology and Chairman of the Division*, B.A., Texas, 1911; M.D., Northwestern 1917
- JOSEPH ELI ROTHSCHILD, *Clinical Instructor in Internal Medicine*, M.D., Baylor, 1937
- MILFORD OWEN ROUSE, *Clinical Professor of Internal Medicine*, B.A., Baylor, 1922; M.A., 1923; M.D., 1927
- ROBERT JARMAN ROWE, *Clinical Assistant Professor of Proctology*, B.A., M.D., Baylor, 1936; M.S., Temple, 1939
- ANNE ROSE RUCKER, *Registrar and Assistant*, B.A., Southern Methodist, 1931
- HERBERT WILLIAM RUMSFELD, JR., *Instructor in Biochemistry*, B.A., North Central, 1949; M.S., Wisconsin, 1952; Ph.D., 1953
- MELVIN GRAY RUSSELL, *Fellow in Pediatrics*, B.A., Texas, 1947; M.D., Southwestern Medical, 1951
- ROBERT ALONZO SAGE, *Assistant Professor of Medical Art*, B.S., Iowa, 1931
- HAROLD BAREFOOT SANDERS, *Lecturer in Medical Jurisprudence*, B.A., Oklahoma, 1919; J.D., Chicago, 1922
- OSCAR PERDUE SANDERS, *Clinical Instructor in Pediatrics* (on military leave), M.D., Baylor, 1941
- RUTH MAXWELL SANDERS, *Associate Professor of Medical Arts*, B.A., Southern Methodist, 1927; M.M.A., Southwestern Medical, 1950
- JOHN JOSEPH SAZAMA, *Clinical Assistant Professor of Radiology*, M.D., Chicago, 1936
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- ARTHUR GERHARD SCHOCH, *Clinical Professor of Dermatology & Syphilology and Chairman of the Division*, B.A., Texas, 1923; M.D., 1927; M.S., Pennsylvania, 1931

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- GUS SCHREIBER, *Clinical Assistant in Internal Medicine*, B.S., Southern Methodist, 1936; M.D., Baylor, 1938
- ARTHUR JOHN SCHWENKENBERG, *Clinical Associate Professor of Psychiatry*, M.D., Texas, 1919
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- HOWARD A. SEARL, *Clinical Instructor in Physical Medicine*, M.D., George Washington, 1925
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- CHARLES WILLIS SENSENBACH, *Clinical Professor of Internal Medicine*, B.A., North Carolina, 1935; M.D., Harvard, 1939
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- WILLIAM PRIOR SHELTON, *Clinical Assistant Professor of Psychiatry*, B.A., Washington (St. Louis), 1926; M.D., 1929



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- PERRY CLEMENT TALKINGTON, *Clinical Associate Professor of Psychiatry*, M.D., Baylor, 1934
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- NATHAN TOBOLOWSKY, *Clinical Instructor in Surgery*, B.A., Southern Methodist, 1938; M.D., Baylor, 1942
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- LOUIS TURBEVILLE, *Clinical Assistant in Pediatrics*, M.D., Tulane, 1948
- HERMAN ULEVITCH, *Clinical Instructor in Internal Medicine*, B.S., Michigan, 1940; M.D., Cincinnati, 1943



- ROGER H. UNGER, *Clinical Instructor in Internal Medicine*, B.S., Yale, 1944; M.D., Columbia, 1947
- JOHN C. VANATTA, III, *Associate Professor of Physiology*, B.A., Indiana, 1941; M.D., 1944
- VINCENT VERMOOTEN, *Clinical Associate Professor of Urology*, B.A., Capetown (South Africa), 1918; M.A., 1919; M.D., Johns Hopkins, 1923
- FREDERICK W. VENINGA, *Clinical Assistant in Internal Medicine*, M.D., St. Louis, 1943
- WILLIAM N. VIAR, *Clinical Assistant in Anatomy*, M.D., Southwestern Medical, 1951
- JULES WALKER VIEAUX, *Clinical Associate Professor of Obstetrics & Gynecology*, B.S., Northwestern, 1931; M.D., Washington (St. Louis), 1935
- T. W. WADE, *Clinical Instructor in Physical Medicine*, M.D., Baylor, 1921
- MORRIS FRANK WALDMAN, *Clinical Instructor in Otolaryngology*, M.D., Baylor, 1936
- WILBUR DOYLE WALDRON, *Clinical Assistant in Internal Medicine*, M.D., Arkansas, 1941
- ELGIN WILLIS WARE, JR., *Clinical Assistant in Urology*, B.S., Southern Methodist, 1945; M.D., Southwestern Medical, 1946
- FRANCIS LEON WARE, *Clinical Instructor in Orthopedic Surgery*, B.S., Louisiana State, 1939; M.D., 1942
- CHARLES HERBERT WARREN, *Clinical Assistant Professor of Surgery*, Ph.G., Vanderbilt, 1913; M.D., 1914
- EUGENE WASSERMAN, *Clinical Instructor in Dermatology & Syphilology*, M.D., Ludwigs-Maximilian (Germany), 1919
- LEWIS B. WATERS, *Professor of Medical Art and Chairman of the Department*, Ph.G., Southern of Pharmacy, 1916; P.D., Atlanta of Physicians, 1917
- MARGARET WATKINS, *Clinical Assistant Professor of Orthopedic Surgery*, B.A., Texas, 1934; M.D., Baylor, 1938
- WILLARD BRYAN WEARY, *Clinical Assistant Professor of Surgery*, B.A., Nebraska, 1929; M.D., Chicago, 1936
- HAL THOMPSON WEATHERSBY, *Assistant Professor of Anatomy*, B.A., Louisiana, 1933; M.S., 1939; Ph.D., Tulane, 1952
- ROBERT WATKINS WEBB, *Clinical Assistant Professor of Psychiatry*, B.A., Southern Methodist, 1926; M.D., Tulane, 1933
- DAVID O. WEINER, *Clinical Instructor in Surgery*, A.B., New York, 1931; M.D., Washington (St. Louis), 1935
- EARL FOSTER WEIR, *Clinical Professor of Anesthesiology*, B.A., Wisconsin, 1929; M.A., 1931; M.D., 1933

- LEO WEISS, *Clinical Assistant Professor of Pathology*, B.A., New York, 1934; M.D., 1938
- STEPHEN WEISZ, *Clinical Professor of Psychiatry*, M.D., Berlin (Germany), 1925
- MARK LANE WELCH, *Clinical Instructor in Surgery*, M.D., Arkansas, 1941
- ANN WEST, *Clinical Instructor in Internal Medicine*, M.D., Baylor, 1930
- JOHN F. WETEGROVE, *Clinical Assistant in Internal Medicine*, M.D., Southwestern Medical, 1946
- TURNER A. WHARTON, *Clinical Instructor in Dermatology & Syphilology*, M.D., Southwestern Medical, 1944
- EDWARD WHITE, *Clinical Associate Professor of Urology*, M.D., Texas Christian, 1917
- DONALD S. WIGGANS, *Assistant Professor of Biochemistry*, B.S., Nebraska, 1949; Ph.D., Illinois, 1952
- JACK WILES, *Clinical Assistant in Anatomy*, B.S., Temple, 1943; M.D., Southwestern Medical, 1950
- JOSEPH EDWARD WILKE, JR., *Clinical Instructor in Obstetrics & Gynecology*, M.D., Louisville, 1946
- GEORGE RAWORTH WILLIAMS, *Clinical Associate Professor of Urology*, M.D., Columbia, 1920
- PAUL C. WILLIAMS, *Clinical Associate Professor of Orthopedic Surgery*, B.A., Western Reserve, 1924; M.D., Michigan, 1928
- BEN J. WILSON, *Professor of Surgery and Chairman of the Department*, B.A., Indiana, 1942; M.D., 1944
- CHARLES MONROE WILSON, *Clinical Instructor in Surgery*, B.A., Texas, 1938; M.D., Tulane, 1943; M.S., Michigan, 1949
- JOHN WESLEY WILSON, *Clinical Assistant Professor of Radiology*, A.B., Indiana, 1945; M.D., 1948
- RUSSELL W. WILSON, *Clinical Associate Professor of Internal Medicine*, B.S., Oklahoma, 1938; M.D., 1940; M.S., Minnesota, 1949; Ph.D., 1953
- HENRY MORGAN WINANS, *Emeritus Professor of Internal Medicine*, B.A., Stanford, 1916; M.D., Johns Hopkins, 1919; LL.D., Baylor, 1945
- CLAUDE D. WINBORN, *Clinical Associate Professor of Otolaryngology*, M.D., Baylor, 1931
- ROBERT EARLE WINN, *Clinical Assistant Professor of Psychiatry*, B.S., Southern Methodist, 1927; M.D., Baylor, 1932
- WATT WELLINGTON WINN, *Clinical Assistant Professor of Obstetrics & Gynecology*, M.D., Baylor, 1927
- GUY FERGUSON WITT, *Emeritus Professor of Psychiatry*, B.S., Texas, 1904; M.D., 1911
- JULIUS WOLFRAM, *Clinical Instructor in Internal Medicine*, B.A., Columbia, 1932; M.D., 1936



- OSCAR JOHN WOLLENMAN, *Clinical Associate Professor of Pathology*, B.S., Central, 1934; M.D., Vanderbilt, 1938
- JACK IRWIN WOMACK, *Clinical Instructor in Pediatrics*, M.D., Baylor, 1942
- JOE BILLY WOOD, *Clinical Assistant Professor of Anesthesiology*, B.A., Texas, 1935; M.D., Baylor, 1939
- WILLIAM ARTHUR WOOD, *Fellow in Biochemistry*, B.S., Manhattan, 1950; M.S., George Washington, 1953
- JACK I. WOOLF, *Clinical Assistant Professor of Surgery*, M.D., Baylor, 1936
- OZRO T. WOODS, *Clinical Associate Professor of Surgery*, B.A., Nebraska, 1921; M.D., 1924
- NANCY (NAN-HWA) WU, *Fellow in Internal Medicine*, M.D., West China Union, 1945
- JOHN GARNETT YOUNG, *Clinical Professor of Pediatrics*, B.S., Bowdoin, 1921; M.D., Harvard, 1924

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- REUBEN H. ADAMS, JR., *Internal Medicine at Parkland*, B.A., Southern Methodist, 1948; M.D., Duke, 1953
- JAMES M. ANTHONY, *Otolaryngology at McKinney Veterans*, M.D., Texas, 1944
- JOSE EVENOR ARGUELLO, JR., *Radiology at Baylor*, M.D., El Salvador, 1953
- R. N. ARNOLD, *Obstetrics & Gynecology at Parkland*, B.S., Texas Technological, 1944; M.D., Texas, 1949
- OVA MAE (RICKETTS) AUSTIN, *Pediatrics at St. Paul*, B.A., Austin, 1936; M.D., Baylor, 1942
- FRANCISCO ENRIQUE BACA, *Obstetrics & Gynecology at St. Paul*, M.D., Mexico, 1951
- JAMES BALL, *Pediatrics at Children's Medical Center*, B.S., Southern Methodist; M.D., Texas, 1948
- GEORGE ANDREW BALLA, *General Surgery at Baylor*, M.D., Indiana, 1948
- WILLIAM STERLING BELL, *Psychiatry at Parkland*, B.A., Texas Christian, 1947; M.D., Duke, 1951
- LOUISE BENNETT, *Pediatrics at Children's Medical Center*, B.S., Texas, 1948; M.D., Tulane, 1952
- JOSEPH A. BERGAN, *General Surgery at McKinney Veterans*, B.S., Notre Dame, 1942; M.D., Loyola (Ill.), 1945
- GLEN L. BERKENBILE, *Surgery at Parkland*, B.S., Oklahoma A.&M., 1944; M.D., Oklahoma, 1946
- D. CLARK BONDURANT, *Anesthesia at Parkland*, B.A., Texas Technological, 1947; M.D., Southwestern Medical, 1952

- FRED W. BONE, *Obstetrics & Gynecology at Baylor*, M.D., Southwestern Medical, 1950
- DICKSON P. BONNER, *Surgery at Dallas Veterans*, M.D., Southwestern Medical, 1944
- EARNEST BOOTH, *General Surgery at McKinney Veterans*, M.D., Southwestern Medical, 1951
- JAMES BOOTH, *Orthopedic Surgery at McKinney Veterans*, M.D., Texas, 1950
- GEORGE M. BOSWELL, *Orthopedic Surgery at Baylor*, B.S., Texas Technological, 1940; M.D., Southwestern Medical, 1950
- WILLIS J. BRAY, JR., *Orthopedic Surgery at McKinney Veterans*, B.S., Missouri State Teachers, 1933; M.D., Southwestern Medical, 1950
- BEN FORD BRIDGES, *Medicine at Parkland*, M.D., Southwestern Medical, 1947
- E. C. BROWN, *Surgery at Parkland*, B.A., Hardin-Simmons, 1947; M.D., Southwestern Medical, 1951
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- PATRICK N. CHAUHAN, *Surgery at St. Paul*, M.D., King Edward (India), 1947
- LAI HAAN CHU, *Surgery at St. Paul*, M.D., Lingnan (China), 1949
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- E. L. COLE, *Orthopedic Surgery at Parkland*, B.A., Baylor, 1939; M.D., 1943
- RICHARD EARL COLLIER, *Radiology at Baylor*, M.D., Southwestern Medical, 1948



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- E. S. CROSSETT, *Thoracic Surgery at Parkland*, B.S., Tulane, 1942; M.D., 1945
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- ROBERT L. DUFF, *General Surgery at McKinney Veterans*, B.S., Houston; M.D., Southwestern Medical, 1945
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- CHARLES M. HARVEY, JR., *Internal Medicine at McKinney Veterans*, M.D., Texas, 1947
- GARRETT A. HATAWAY, *Anesthesiology at Parkland*, B.A., Texas, 1948; M.D., Southwestern Medical, 1952
- ERNEST T. HERNDON, *Obstetrics & Gynecology at Parkland*, B.A., Southern Methodist, 1948; M.D., Southwestern Medical, 1952
- GUY M. HICKS, JR., *Radiology at Dallas Veterans*, M.D., Tulane, 1949
- GLENDON A. HOFFMAN, *Obstetrics & Gynecology at St. Paul*, M.D., Marquette, 1952
- MILTON C. HOFFMAN, *Thoracic Surgery at McKinney Veterans*, B.S., Texas, 1943; M.D., Wayne, 1948
- JOHN B. HOLDER, *Surgery at Dallas Veterans*, B.S., Baylor, 1944; M.D., 1947
- PILL WHOON HONG, *Thoracic Surgery at Baylor*, M.D., Severance Union (Korea), 1942
- ROBERT V. HORAN, *General Surgery at McKinney Veterans*, B.S., Wake Forest, 1941; M.D., Bowman Gray, 1944
- RICHARD B. HUNTER, *Medicine at Parkland*, M.D., Louisiana State, 1948
- GEORGE O. HUTCHESON, JR., *Internal Medicine at McKinney Veterans*, B.S., North Texas State, 1941; M.D., Texas, 1947
- JAMES R. HYSLOP, *Medicine at Methodist*, B.S., Arizona, 1934; M.D., Tulane, 1938
- MEHMET ALI ISIGIGUR, *Medicine at St. Paul*, M.D., Istanbul (Turkey), 1937



- C. RICHARD JERNIGAN, *Surgery at Parkland*, M.D., Southwestern Medical, 1948
- ANITA JOHNSON, *Medicine at Baylor*, M.D., Women's of Pennsylvania, 1950
- DEWEY W. JOHNSTON, *Internal Medicine at McKinney Veterans*, B.S., Southern Methodist, 1947; M.D., Southwestern Medical, 1949
- ROBERT L. JOHNSON, *Medicine at Parkland*, B.S., Southern Methodist, 1947; M.D., Northwestern, 1950
- HOMER CLAY JONES, JR., *Surgery at Parkland*, B.A., Southern Methodist, 1948; B.S., 1949; M.D., Southwestern Medical, 1952
- JOHN M. JONES, *Internal Medicine at McKinney Veterans*, B.A., Texas Christian, 1936; M.D., Southwestern Medical, 1946
- ROBERT F. JONES, *Surgery at Parkland*, M.D., Southwestern Medical, 1952
- JEROLD D. KETHLEY, *Surgery at Parkland*, B.S., McMurry, 1938; M.D., Southwestern Medical, 1950
- EUFROZYNA J. KOZLOWSKI, *Medicine at St. Paul*, M.D., Dusseldorf (Germany), 1948
- WALTER KRAHN, *Pathology at Baylor*, M.D., Leipzig (Germany), 1948
- AGNES ANN LAINE, *Orthopedic Surgery at Baylor*, M.D., Tennessee, 1951
- GEORGE R. LAJOUR, *Pathology at Baylor*, M.D., Buenos Aires (Argentina), 1948
- CHARLES B. LARAMORE, *General Surgery at McKinney Veterans*, M.D., Southwestern Medical, 1951
- KENNETH W. LA RUE, *Obstetrics & Gynecology at Baylor*, B.S., M.D., Illinois, 1950
- WILLIAM M. LEWALLEN, JR., *Ophthalmology at McKinney Veterans*, B.S., Southern Methodist, 1945; M.D., Southwestern Medical, 1947
- LOUIS W. LEWIS, *Anesthesiology at McKinney Veterans*, A.B., Occidental, 1944; M.D., Southwestern Medical, 1950
- ARTHUR G. LIVINGSTON, *Urology at Parkland*, B.A., Alberta (Canada), 1941; M.D., 1945
- HARRIETT L. LIVINGSTON, *Internal Medicine at McKinney Veterans*, B.A., Colorado, 1946; M.D., Washington, 1950
- SHIELDS O. LIVINGSTON, *General Surgery at McKinney Veterans*, B.A., Lincoln Memorial, 1940; B.S., Central Missouri, 1946; M.D., Washington, 1950
- ELLEN LOEB, *Internal Medicine at McKinney Veterans*, M.D., Southwestern Medical, 1952
- J. EDWIN LOW, *General Surgery at Baylor*, B.A., East Texas, State, 1940; M.D., Southwestern Medical, 1945
- MARY SUE LOWRY, *Pediatrics at Children's Medical Center*, B.A., Texas, 1948; M.D., Tulane, 1952
- JEN-LUNG LU, *General Surgery at Methodist*, M.D., Aurora (China), 1947

- NELLIE RYAN LUHN, *Anesthesiology at Parkland*, B.A., Mount Holyoke, 1947; M.D., Tufts, 1951
- MARWAN MAHASSEN, *Surgery at St. Paul*, M.D., Medicine Syrienne (Syria), 1951
- VICENTE MARTINEZ, *Medicine at Methodist*, B.S., Escuela de Bachilleres (Mexico), 1945; M.D., Nuevo Leon (Mexico), 1952
- DONALD E. MCGUIRE, JR., *Obstetrics & Gynecology at Parkland*, B.S., Michigan, 1949; M.D., 1951
- JOHN WARREN MCKAY, *Medicine at Baylor*, A.B., M.D., Kansas, 1950
- JAMES R. MCKINNEY, *Anesthesiology at McKinney Veterans*, B.S., Western Reserve, 1947; M.D., Ohio State, 1951
- MALCOLM M. MCRAE, *Obstetrics & Gynecology at Baylor*, M.D., George Washington, 1944
- ROBERT S. MEADOR, *Pulmonary Disorders at McKinney Veterans*, B.S., Arkansas, 1946; M.D., Southwestern Medical, 1951
- C. SPENCER MEREDITH, III, *Surgery at Dallas Veterans*, B.S., Southwestern, 1943; M.D., Texas, 1947
- MARTHA S. MEREDITH, *Laboratory at Dallas Veterans*, B.S., Pittsburgh, 1946; M.D., 1947
- ED CROW MILLER, *Radiology at Parkland*, B.S., Texas Agricultural & Mechanical; M.D., Baylor, 1952
- JOHN BUSTER MITCHELL, *Pediatrics at Children's Medical Center*, M.D., Texas, 1950
- WILLIAM L. MOFFATT, *Orthopedic Surgery at McKinney Veterans*, M.D., Tennessee, 1946
- HUGH D. MURRAY, *Obstetrics & Gynecology at Parkland*, B.S., Southwestern (Tennessee), 1943; M.D., Tennessee, 1946
- MILLARD W. NABLES, *Radiology at Parkland*, B.S., West Texas State, 1938; M.D., Baylor, 1942
- GROVER C. NABORS, *Obstetrics & Gynecology at Parkland*, B.S., Presbyterian, 1943; M.D., Bowman Gray, 1946
- W. M. NICKEY, *Pathology at Parkland*, M.D., Texas, 1952
- JOSEPH C. OGLE, *Internal Medicine at McKinney Veterans*, M.D., Tulane, 1948
- ROBERT JACK ORRICK, JR., *Surgery at Parkland*, M.D., Texas, 1952
- GUDELIA M. PADLAN, *Obstetrics & Gynecology at St. Paul*, M.D., St. Tomas (Philippines), 1937
- ROBERT J. PFAFF, *Surgery at Dallas Veterans*, A.B., Princeton; M.D. Long Island, 1949



- MILAM PHARO, *Pediatrics at Children's Medical Center*, B.S., Southwestern Louisiana Institute, 1946; M.D., Tulane, 1949
- SAM H. PHILLIPS, JR., *Surgery at McKinney Veterans*, M.D., Southwestern Medical, 1949
- ERNEST POULOS, *Surgery at Parkland*, B.S., Southern Methodist, 1945; M.D., Southwestern Medical, 1950
- THOMAS G. PRICE, *Pathology at Dallas Veterans*, B.A., Texas, 1943; M.D., 1947
- RICHARD J. PULS, *Medicine at Parkland*, B.A., Washington, 1947; M.D., 1950
- LUKE R. RADER, *Surgery at Dallas Veterans*, B.A., Minnesota, 1942; M.D., Medical of Virginia, 1950
- LESLIE W. RALSTON, *Radiology at McKinney Veterans*, M.D., Southwestern Medical, 1949
- GEORGE E. REYNOLDS, *General Surgery at Baylor*, M.D., Michigan, 1950
- MARION B. RICKETTS, *Surgery at Dallas Veterans*, B.S., Illinois, 1936; M.D., 1938
- JOHN A. RITTER, *General Surgery at McKinney Veterans*, B.S., Illinois, 1946; M.D., 1948
- KEITH ROBINS, *Pediatrics at St. Paul*, B.S., Southern Methodist; M.D., Southwestern Medical, 1952
- DAVID L. ROBINSON, *Surgery at Parkland*, M.D., Southwestern Medical, 1952
- JEAN PAUL ROY, *Obstetrics & Gynecology at Methodist*, M.D., Laval (Canada), 1951
- MELVIN G. RUSSELL, JR., *Pediatrics at Children's Medical Center*, B.A., Texas, 1947; M.D., Southwestern Medical, 1951
- FRANK M. RYBURN, *Medicine at Baylor*, M.D., Medical of Virginia, 1948
- PHILLIP Z. SABA, *General Surgery at Methodist*, B.S., Trinity, 1942; M.D., Southwestern Medical, 1947
- MELVIN L. SAMUELS, *Pathology at Baylor*, B.S., Villanova, 1943; M.D., Jefferson, 1947
- BOYD M. SAVIERS, *General Surgery at Methodist*, M.D., Oklahoma, 1947
- HUBERT SEALE, *Ophthalmology at Parkland*, B.S., McMurry, 1947; M.D., Southwestern Medical, 1951
- A. D. SEARS, *Radiology at Parkland*, B.B.A., Texas, 1943; M.D., Southwestern Medical, 1951
- PERRY M. SETON, *General Surgery at Methodist*, A.B., California, 1944; M.D., Buffalo, 1947
- MARVIN G. SHEPARD, *Surgery at Dallas Veterans*, M.D., Southwestern Medical, 1952
- WILLIAM A. SHIELDS, JR., *Obstetrics & Gynecology at Parkland*, M.D., Southwestern Medical, 1951

- WILMA F. SHIELDS, *Pathology at McKinney Veterans*, A.B., Washington, 1939; M.D., 1943
- CHARLES M. SLOAN, *Anesthesiology at Parkland*, M.D., Southwestern Medical, 1949
- LLOYD SMITH, *Medicine at Methodist*, M.D., Baylor, 1945
- ROBERT WILLIAM SMITH, *Radiology at Baylor*, B.A., Texas; M.D., 1951
- SYDNE C. SMITH, *General Surgery at Baylor*, M.D., Baylor, 1942
- WILLIAM F. STAPP, *Pathology at Parkland*, B.S., Loyola (Louisiana), 1942; M.D., Marquette, 1951
- ROBERT D. STEWART, *Surgery at Parkland*, B.A., Kansas, 1945; M.D., 1948
- ELLIOTT W. STRAUSS, *Medicine at Dallas Veterans*, A.B., Columbia, 1943; M.D., New York, 1949
- CHARLES E. STRICKLAND, JR., *Pathology at McKinney Veterans*, B.S., New Mexico Agricultural & Mechanical, 1947; M.D., Southwestern Medical, 1951
- WILLIAM M. STRICKLAND, JR., *Surgery at Parkland*, M.D., Southwestern Medical, 1951
- HOMER C. STUNTZ, *General Surgery at McKinney Veterans*, M.D., Southwestern Medical, 1952
- DAN R. SUTHERLAND, *Orthopedics at Parkland*, B.S., Texas Agricultural & Mechanical, 1943; M.D., Tennessee, 1949
- FRANCES TOMPKINS, *Obstetrics & Gynecology at Parkland*, M.D., Southwestern Medical, 1952
- SHIRLEY E. TOWNSEND, *Surgery at Dallas Veterans*, M.D., Vanderbilt, 1949
- CHARLES W. TRUE, *Pathology at Baylor*, M.D., Tufts, 1948
- JEROME L. TUCKER, *Medicine at Baylor*, M.D., Tulane, 1952
- CLARENCE E. ULERY, *Medicine at Baylor*, B.S., Baylor, 1947; M.D., Southwestern Medical, 1951
- THEODORE P. VATTELER, *Surgery at Parkland*, M.D., Tulane, 1951
- WILLIAM T. VAUGHN, *Orthopedics at Parkland*, M.D., Georgetown, 1935
- WILLIAM M. VIAR, *Thoracic Surgery at McKinney Veterans*, M.D., Southwestern Medical, 1951
- FLETCHER L. WALKIN, *Obstetrics & Gynecology at Methodist*, B.S., Manitoba (Canada), 1946; M.D., 1953
- JOHN F. WETEGROVE, *Internal Medicine at McKinney Veterans*, M.D., Southwestern Medical, 1946
- PHILIP E. WHITTLESEY, *Orthopedic Surgery at McKinney Veterans*, M.D., Southwestern Medical, 1951



- JACK WILES, *Urology at McKinney Veterans*, B.S., Temple, 1943; M.D., Southwestern Medical, 1950
- CARL ED WILLIFORD, *General Surgery at Baylor*, B.S., Georgetown, 1948; M.D., Southwestern Medical, 1952
- KATHRYN W. WILLIS, *Pediatrics at Children's Medical Center*, M.D., Southwestern Medical, 1951
- ROBERT W. WILSON, JR., *Obstetrics & Gynecology at Methodist*, B.S., Denver, 1949; M.D., Colorado, 1951
- HENRY M. WINANS, JR., *Medicine (Cardiology) at Baylor*, M.D., Baylor, 1950
- RUDOLF GEORGE WINKELBAUER, *Obstetrics & Gynecology at Methodist*, M.D., Innsbruck (Austria), 1952
- GEORGE A. YOUNGMAN, *Radiology at Dallas Veterans*, A.B., Ohio Northern, 1937; M.D., Jefferson Medical, 1941

# GENERAL INFORMATION

## HISTORY

UNDER THE LEADERSHIP of Dr. Edward H. Cary, a group of prominent citizens of Dallas organized Southwestern Medical Foundation in 1939 to promote medical education and research in Dallas and the entire Southwest. After an initial period of furthering the purposes of the Foundation in co-operation with Baylor Medical College and after the announcement of the immediate removal of Baylor to Houston, Southwestern Medical College was formally established in 1943.

With a nucleus of students and faculty members who preferred to remain in Dallas, the Foundation, aided by the generosity of both the City of Dallas and the City-County Hospital System, obtained the use of a public school building until temporary buildings could be erected on the Parkland Hospital site. The difficult and seemingly impossible task of obtaining high-ranking priority materials, supplies, and equipment for operating an accredited medical school from the stores of a nation at war was successfully performed. This was evidenced by the fact that the Council on Medical Education and Hospitals of the American Medical Association and the Association of American Medical Colleges placed Southwestern Medical College on the fully approved list of accredited medical schools in 1944.

The citizens of Dallas and the Southwest subscribed funds for operating expenses, land for a building site, and a permanent building. When a new state medical school was proposed, the Foundation envisioned the possibilities of a still greater medical center for Texas and offered the equipment of the College, its library, and certain restricted funds to The University of Texas, provided the University would locate a medical branch in Dallas. After approval of the establishment of a new medical branch of The University of Texas by the Texas Legislature, the Board of Regents, upon the recommendation of the House of Delegates of the Texas Medical Association, accepted this offer of the Foundation. Thus, the College, in full operation, became Southwestern Medical School of The Uni-



versity of Texas in September 1949, and its policies are now guided by the Board of Regents of The University of Texas. The Basic Science Building on the new campus site is under construction and will be completed in the fall of 1954. More permanent buildings are hoped for in the near future. The Foundation, working in co-operation with the Board of Regents of The University of Texas, plans to continue to promote medical education and research.

## FACILITIES

### *Building*

Classrooms, student laboratories, faculty offices, research facilities, and administrative and business offices will be provided in the Basic Medical Science Building to be completed in the fall of 1954 on the new Medical Center campus on Harry Hines Boulevard. Offices, research laboratories and animal quarters for the clinical departments will have temporary accommodations until a Clinical Science Building is available.

### *Library*

The Medical Library, organized in 1943, now contains 32,000 volumes and receives currently over 800 domestic and foreign serial publications. Quarters for the Library will be provided on the ground floor of the Basic Medical Science Building and will be available in the fall of 1954.

Gifts of books and journals from private libraries served as the nucleus around which the Library has grown to its present size. Through the mediums of purchase, gift, and exchange, efforts are being made to acquire a well-rounded collection of books and to complete files of journals recognized as indispensable to medical research. Among many contributions, special funds have been provided by the Grigsby Estate, the Laurence S. Kahn Memorial Fund, and the Mrs. Ruth Andersson Fund.

In 1949 the New York Academy of Medicine donated to Southwestern Medical School 12,000 volumes—the larger portion of a gift of 20,000 volumes received by the New York Academy of Medicine from the New York Public Library. They represent the original collection of medical books accumulated by the New York Public

Library during the nineteenth century when Dr. John Shaw Billings, earlier noted for his association with the Army Medical Library, was connected with the New York institution.

Library service is available from 8 A.M. to 10 P.M. Monday through Friday; from 8 A.M. to 6 P.M. on Saturday; and from 2 to 5 P.M. on Sunday. Class instruction in using the Library is given to freshmen, and individual instruction is given as needed to doctors using the Library.

### *Student Health Service*

The Student Health Service is established to maintain and promote health among the students in Southwestern Medical School of The University of Texas.

The benefits of the Health Service, as specified below, become available to students as soon as they have paid their fees to the Business Office and terminate at midnight of the day ending the academic session or course, provided that all holdover patients in the hospital shall be cared for by the Student Health Service, subject to the following regulations. The benefits of the Student Health Service automatically terminate with the student's withdrawal from school. Students who are making up work during the summer are not covered by Health Service. See number 6 below.

*Services.*—The following services are rendered by the Student Health Service (subject to restrictions specified below):

1. Before entering school all students are required to submit a record of satisfactory vaccinations as follows: (a) smallpox, within the last three years; (b) typhoid-paratyphoid fever, within the last three years; (c) tetanus toxoid, within the last three years, unless evidence of sensitivity is presented. Booster shots are recommended and will be offered for *b* and *c*.

2. The students will be given Schick tests. It is necessary that these tests show immunity against diphtheria and positive reactors will be immunized. If the student wishes, this may be done before entrance into medical school.

3. Every student will be given an examination by members of the staff upon first entering medical school and will be re-examined as often as necessary for the following reasons:

- a. To avoid contagion.

- b. To obtain records of physical condition of students. *The*



*medical school does not assume responsibility for the expense involved in the care and treatment of defects and diseases existing upon entrance. (See 6 below).*

4. Student Health Service physicians may be consulted during office hours. Consultation with other members of the medical staff will be arranged when necessary, or when desired by the student.

5. House calls will be made only in case of emergency.

6. Hospitalization will be provided through the purchase by the School for the student of a membership in a special students' group in Group Hospital Service, Inc. This membership provides ward service in participating hospitals. The slight additional cost of private-room care will be paid individually by the student unless private-room care is ordered by the Health Service. Benefits of this membership can be kept in effect through the summer if the student pays an extra fee to Group Hospital Service, Inc., through the Business Office of the School.

7. Routine clinical laboratory and other diagnostic pathological examinations will be furnished.

8. Diagnostic X-ray examinations will be furnished.

9. All students will be given tuberculin tests upon admission to school and will be required to have two chest X-ray examinations each year. BCG vaccine will be optional to those students with negative tuberculin reactions. Negative reactors will be retested at yearly intervals or oftener. Those who convert to a positive test without BCG will be required to have chest X-rays at more frequent intervals than other students. Negative reactors will not be assigned to tuberculosis services.

10. The Health Service staff should be called in the event of an emergency even if the student is taken to the emergency room of Parkland Hospital. Such services at Parkland Hospital will be paid by Health Service only if authorized by the Health Service staff.

11. Necessary drugs will be furnished without cost to the student when prescribed by a member of the Health Service staff.

12. The following services will not be furnished:

- a. Eye-glasses.
- b. Dental care.
- c. Ambulance service.
- d. Special appliances of any kind.

Attention is especially called to the fact that no student is required to patronize a staff physician. Any student may choose at his own

expense any other physician he may desire. Furthermore, he may have another physician and still be entitled to the benefits outlined under 6, 7, 8, and 11 above, provided no account be entered against the Student Health Service except by permission of its Director. The Health Service accepts neither professional nor financial responsibility for students who do not follow the advice of its staff.

*Records.*—The Health Service keeps medical histories and records of all students. Requests for information concerning the physical condition of any student should be addressed to the Dean of Southwestern Medical School.

### *Affiliated Hospitals*

The Medical School is advantageously situated in that it has the generous co-operation of the many hospital facilities of the city and vicinity. Among these, the following facilities are utilized in the teaching program of the School.

\**Parkland Memorial Hospital*, which is being completed in the Fall of 1954, has a capacity of 588 beds and 90 bassinets. It is located on a site immediately adjacent to the new Medical School campus and, when opened, will become the principal teaching hospital of Southwestern Medical School of The University of Texas.

\* *Parkland Hospital Clinic* will occupy an enlarged area in the south wing of the old hospital building with the opening of the new Parkland Memorial Hospital. This outpatient department is designed to care for the indigent patients of Dallas County who do not require hospitalization. The great majority of the indigent patients are registered in the outpatient clinic. In the past four years there have been approximately 65,000 patient visits yearly. All patients are available for teaching purposes.

The outpatient clinic is divided into the following services: Social service department, laboratory, and the departments of medicine, surgery, obstetrics, gynecology, urology, cystoscopy, orthopedics, otolaryngology, ophthalmology, dermatology and syphilology, pediatrics, proctology, psychiatry, tumor clinic, and the medical specialties of allergy, diabetes, endocrinology, cardiology, gastroenterology, and chest diseases. In addition to its regular service, Parkland

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\* Dallas City-County Hospital System



Hospital operates an emergency clinic which cares for approximately 42,000 patient visits yearly.

The students are required to record the history, do complete physical examinations, recommend diagnostic and therapeutic measures, and do minor surgical procedures. The activities of the students are under the supervision of a clinical instructor who is present in each outpatient clinic. The patients are followed in the clinic to determine the results of treatment. This is made a part of the permanent record.

The unit record system is employed in Parkland Hospital. This combines the hospital chart and clinic record. The patients who require complicated diagnostic procedures are admitted to the hospital. The student follows the patient's progress in the hospital as well as in the outpatient clinic.

The senior class is divided into small sections, and by rotation each section has a service in each outpatient department.

\**Woodlawn Hospital*, which has had a capacity of 100 beds for the care and treatment of tuberculosis patients, will be transferred to the old Parkland Hospital building with the opening of Parkland Memorial Hospital and an additional 200 tuberculosis beds will be available. The tuberculosis hospital affords facilities for the demonstration of all stages and types of the disease as well as the various methods of treatment. This hospital is jointly controlled by the City and County of Dallas as a part of the City-County Hospital System.

\**The Dallas County Convalescent Hospital* with 100 beds affords care and treatment for chronic diseases of the aged and infirm. Its origin dates back to the original infirmary established in 1887, which was in constant use up to 1941 when the present unit was constructed.

*Baylor University Hospital* with its 753 beds provides, in co-operation with the Medical School, an excellent medical and surgical service for third- and fourth-year students. This service includes clinical clerkship, ward rounds, special training in medical specialties and in anesthesiology, surgical pathology, orthopedics and neurosurgery.

*Florence Nightingale Lying-In Hospital* is an adjunct to the main plant of Baylor University Hospital and is operated by that system. It furnishes specialized maternity care to private patients.

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\* Dallas City-County Hospital System

*Methodist Hospital* is operated by the North Texas Conference of the Methodist Church and is able to serve the general public with its capacity of 330 beds. It also co-operates with the Medical School in offering its clinics and wards for clinical teaching purposes.

*St. Paul's Hospital*, founded by the Sisters of Charity, is one of the oldest in the city and has facilities for the operation of a 450-bed institution. It makes available teaching facilities for the training of third- and fourth-year students, especially on the medical wards.

*The Children's Medical Center* is a group of hospitals giving pediatric care to the children of Texas. Their operation is directed by a common advisory board, with a rotating house staff, and the entire group is co-ordinated with each other and with the Medical School through the Professor and Chairman of the Department of Pediatrics. The combined capacity of beds totals 154, including bassinets, and there are approximately 3,500 outpatient cases monthly in all departments. Parkland Hospital co-operates in this group service and shares its pediatric, newborn, and contagious disease sections with the Children's Center.

†*Bradford Memorial Hospital for Babies* has a capacity of 50 beds and furnishes treatment and care to indigent children as well as to private cases under two years of age. With a total of approximately 1,500 admissions per year, its facilities offer excellent teaching material for students.

†*Children's Hospital for Texas* furnishes care and treatment for children of the State up to the age of 14 years. There are 51 beds available, with approximately 1,800 admissions yearly. Ample clinical material is available for student teaching.

†*Ivor O'Connor Morgan Hospital for Tuberculous Children*, with a capacity of 53 beds, admits patients with tuberculosis from the State of Texas, by special arrangement. Admissions total approximately 30 per year.

†*Dallas Child Guidance Clinic* is a preventive and treatment center for mental hygiene problems of children.

†*Freeman Memorial Clinic* furnishes outpatient treatment for children up to fifteen years of age. There are approximately 35,000 outpatient visits yearly.

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† Children's Medical Center



*Hope Cottage Foundling Home and Well-Baby Clinic* extends custodial and medical care to dependent babies. There are 59 beds with about 120 admissions each year.

*Texas Scottish Rite Hospital for Crippled Children*, owned and operated by the Masonic bodies of Texas, has a capacity of 65 beds with approximately 690 admissions and 4,000 examinations yearly. This hospital affords a varied and interesting group of orthopedic cases which are available for teaching in the clinical years.

*The Veterans Administration Hospitals located at Dallas and McKinney*, providing approximately 1,000 beds, make all of their clinical facilities available to the teaching program of the School. The Veterans Hospital at Waco and the Clinic at the Veterans Regional Office in Dallas join in the program and are included in the Dean's Committee Plan for the four affiliated Veterans Hospitals and Clinic.

### *Loan Funds*

Southwestern Medical School of The University of Texas is fortunate in having a number of loan funds for aid to needy students. Applications for loans are submitted to the Assistant Dean for Student and Curricular Affairs with a letter of recommendation from a Department Chairman. Except under unusual circumstances, freshmen may apply only for short-term loans. Applications for loans in excess of \$250.00 in any academic year will be considered only in cases of extreme financial need. Interest on loan funds is computed at the rate of 3% per annum except as indicated specifically. Repayment of loans to juniors and seniors normally will be expected not later than two years after graduation.

*Tinsley R. Harrison Loan Fund No. 1.* Mr. Samuel A. Levine donated a loan fund as a token of his esteem for Dr. Tinsley R. Harrison, formerly Chairman of the Department of Medicine. This fund is for the use of needy and worthy medical students of all classes.

*Tinsley R. Harrison Loan Fund No. 2.* The trustees of the Hoblitzelle Foundation authorized a grant to be made to seniors to enable worthy students who would not otherwise be able to do so to undertake postgraduate training. Notes on this fund carry an interest rate of  $\frac{1}{2}$  of 1% per annum.

*W. Lee Hart Student Loan Fund.* This fund was established by donations from friends of Dr. W. Lee Hart, Dean Emeritus, and is available to needy and worthy students at the discretion of the Dean.

*Kellogg Loan Fund.* The W. K. Kellogg Foundation made a grant to the school for the purpose of providing loans to any qualified students who can give evidence showing necessity for such loan.

*Montgomery Loan Fund.* This fund was donated to Southwestern Medical School to be used for deserving students of all classes who are in need of financial assistance.

*Student Loan Fund of Southwestern Medical School of The University of Texas.* This fund was donated for the use of needy students of all classes to assist in completing their medical education in Southwestern Medical School of The University of Texas.

*Iona K. Young Student Loan Fund.* A bequest from the estate of Mrs. Iona K. Young of Sweetwater, Texas, established this fund which is to be used for loans to students of good character who are in need of financial assistance. An exception to the simple interest rate of 3% is made on notes due this fund beyond two years after graduation. For such notes there is a rising scale up to a maximum of 10% by the seventh year after graduation.

#### OTHER LOAN FUNDS NOT ADMINISTERED BY THE SCHOOL

*Medical Center Women's Club Loan Fund.* This fund is available for small short-term loans bearing no interest. Application should be made to the Assistant Dean for Student and Curricular Affairs for a recommendation. Upon this recommendation, the loan is made at the Office of the Administrator of Parkland Memorial Hospital.

*Loan Funds of Women's Auxiliary to the Texas Medical Association.* Loans to worthy junior and senior medical students may be made from these funds upon the recommendation of the Dean. Interns and residents are also eligible for loans upon the recommendation of the Dean of the medical school attended. A maximum loan of \$500.00 can be made in one year at an interest rate of 2½% or 3% depending on the fund. Application should be made to the Assistant Dean for Student and Curricular Affairs.



## *Scholarships and Fellowships*

It is hoped that with the growth of the school increasing numbers of scholarships and fellowships will be available. There have been several non-continuing scholarships awarded and information concerning the availability of such scholarships can be obtained from the Office of the Assistant Dean for Student and Curricular Affairs.

*Chilton Foundation Fellowship in Biochemistry.* Since 1951 the net income of the Chilton Foundation has been distributed to Southwestern Medical Foundation to aid a Fellow in research in Biochemistry. Interested persons should contact the Chairman of the Biochemistry Department for details.

*The Minnie L. Maffett Fellowship.* The Texas Federation of Business and Professional Women's Clubs sponsors the Minnie L. Maffett Fellowship to aid women in either graduate study or research. To be eligible for this award an applicant must be a woman graduate of a Texas medical college or, in the event that the funds are available and there is no qualified applicant, the Committee may at their discretion consider a woman who has taken a Ph.D. degree from The University of Texas and who is doing research in a medical field. Application should be addressed to: The Texas Federation of Business and Professional Women, 809 Burkburnett Building, Fort Worth, Texas.

*Pfizer Scholarship Fund for Medical Students.* Charles Pfizer & Company, Inc., has instituted a program of aiding deserving medical students. They have stated that it is desirable that the awards be made to first or second year students to help defray the cost of tuition, books, and living expenses. "To be eligible for participation the student must be scholastically deserving, in need of financial aid and otherwise worthy of consideration." The amount of the awards made to date has been \$333.00 each.

## *Organizations*

### STUDENT AMERICAN MEDICAL ASSOCIATION

The Student American Medical Association maintains a chapter at Southwestern Medical School. This organization is designed to promote the high principles and ideals of the medical profession.

The local chapter sponsors scientific programs especially designed to be of interest and benefit to the members and maintains liaison with the local and state, as well as the national, medical associations.

#### ALPHA OMEGA ALPHA

Gamma Chapter of Texas of Alpha Omega Alpha, national medical honor society, was installed at Southwestern Medical School in November 1950. A small number of students in the upper portions of the junior and senior classes are eligible for election to membership. Selection is based upon high academic standing, moral character, and promise of future contribution to the field of medicine.

#### SIGMA XI

The Sigma Xi Club of Southwestern Medical School is a unit of the national honorary scientific society. It has all the privileges of a chapter except the election of new members to Sigma Xi. Anyone elected by a chapter is eligible for membership in this club. Several lectures a year on varied scientific subjects are sponsored by the club which usually includes on its list of speakers an outstanding scientist selected by the national society.

#### FRATERNITIES

The following national medical fraternities maintain chapters at Southwestern Medical School:

Alpha Epsilon Iota	Phi Chi	Phi Rho Sigma
Phi Beta Pi	Phi Delta Epsilon	Theta Kappa Psi

#### ALUMNI ASSOCIATION

At the 1953 meeting of the Texas Medical Association which was held in Houston, the Alumni Association of Southwestern Medical School of The University of Texas was organized. Officers were elected and it was decided that yearly meetings would be held in conjunction with the meetings of the Texas Medical Association.

#### *Awards*

#### THE HO DIN

On May 5, 1943, the Trustees of Southwestern Medical Founda-



tion authorized the establishment of an award to symbolize the fundamental concept on which the College was to be based. This award is The Ho Din, which signifies the spirit of human understanding and medical wisdom and constitutes the highest honor which the Foundation can bestow.

On request of the Trustees of the Foundation, the faculty of Southwestern Medical School may recommend not more than three members of each graduating class who, in their opinion, most nearly exemplify the personal attributes which define The Ho Din. The award is based entirely on the recognition of personal qualities embodied in all great physicians and is in no way dependent upon scholastic standing.

#### THETA KAPPA PSI FRATERNITY PLAQUE

The Theta Kappa Psi Fraternity sponsors the recognition of high scholarship by making known each year the name of the first-year student who achieves the highest average in his class. For this purpose they have provided a plaque which is on display and each year the name of the recipient is engraved thereon.

#### *Lectureships*

##### EDWARD H. CARY LECTURESHIP

As a tribute to Dr. Edward H. Cary, founder and president of Southwestern Medical Foundation, the Trustees voted in 1943 to sponsor Edward H. Cary Lectureships. By this plan, each year a number of outstanding scientists are brought to Dallas to deliver Edward H. Cary Lectures to the student body and the medical profession of Dallas and the Southwest.

##### PHI BETA PI ANNUAL LECTURESHIP

An outstanding feature of the school calendar each year is the Annual Lecture sponsored by the Phi Beta Pi medical fraternity. Members of the Dallas County Medical Society and the faculty and student body are invited to hear a speaker who is well known and recognized in the medical profession.

##### PHI CHI ALUMNI LECTURESHIP

Each scholastic year a lecture for the student body and faculty is

sponsored by the Phi Chi medical fraternity and Phi Chi alumni. The medical profession of the area and interested public are invited to attend.

## FEES AND DEPOSITS

A filing fee of \$5.00 is required of all applicants at the time application is made.

On acceptance by the School, an applicant is required to send to the Registrar a certified check for \$30.00 to serve as a registration deposit. When the student matriculates, this amount is applied to the laboratory and library deposit mentioned below. The deposit is forfeited if the applicant does not register.

The laboratory and library deposit fee of \$30.00 paid at matriculation covers breakage of equipment and loss of books. Whatever balance remains is refunded to the student at graduation or on withdrawal.

All fees are payable in full at the time of registration. Tuition is \$50.00 a year for residents of Texas and \$300.00 a year for non-residents of Texas. An annual laboratory and student health fee of \$60.00 is also required of all students, and a graduation fee of \$25.00 is required of all fourth-year students. Any fourth-year student who withdraws before graduation is entitled to a refund of the graduation fee. A student who withdraws from school during the first term officially and in the prescribed manner (see p. 71) is entitled to a refund of two-thirds of the tuition; a student withdrawing during the second term is entitled to a refund of one-third of the tuition. No other fees are refundable.

### *Other Expenses*

*Microscopes.*—All students are required to provide microscopes for use during the four-year course. These microscopes must meet the following specifications: any standard Bausch and Lomb, American Optical, Zeiss, or Leitz microscope with coarse and fine adjustments, 10x Huygenian eyepiece, triple nose piece with achromatic 10x, 43x, and 97x objectives, mechanical stage optional, substage abbe condensor, variable focus, with N.A. 1.25, a removable mirror and fork or a substage light, and in a carrying case. The optical and



mechanical systems must be in good repair and must be acceptable to the various departments.

*Books and Equipment.*—The costs of books and equipment essential for the student of medicine and associated fields, both undergraduate and graduate, are high. A student should take this into account in planning for financial support. For veterans who receive Certificates of Eligibility and Entitlement, a part of these costs will be absorbed through benefits from the Veterans Administration. Approximate costs, depending upon fluctuations in market prices and changing needs in the various curricula, are as follows:

First year .....	\$300.00
Second year .....	\$135.00
Third year .....	\$235.00
Fourth year .....	\$ 70.00

Books and equipment for the Medical Art course are:

First year .....	\$145.00
Second year .....	\$115.00

## LIVING ARRANGEMENTS

Southwestern Medical School does not furnish living quarters for its students. Housing is an individual matter and each student must make his own arrangements. The fraternities have houses which accommodate most of their members with room and board. The neighborhood has many apartment and boarding houses, but competition is keen enough to make early efforts necessary.

# ADMISSION TO THE MEDICAL CURRICULUM

SCHOLASTIC PREPARATION for the study of medicine should include two types of intellectual discipline: the first in the humanities, including English composition and literature, foreign language, history, philosophy, and the social sciences; the second in the sciences, including mathematics, chemistry, physics, and biology. It is wise for the prospective medical student to have as broad a concept of human relations as possible and to be well trained in the basic sciences in order to maintain the best traditional standards of the medical profession.

## REQUIREMENTS

### *Residence*

None but *bona fide* residents of the State of Texas are acceptable for admission to the first-year class. Residence in Texas for pre-medical work does not satisfy the *bona fide* residence requirement.

Pursuant to the authority granted by the Fiftieth Legislature in House Bill No. 507, the Board of Regents has adopted the following nonresident regulations:

1. A nonresident student is hereby defined to be a student of less than twenty-one (21) years of age, living away from his family and whose family resides in another state, or whose family has not resided in Texas for the twelve (12) months immediately preceding the date of registration; or a student of twenty-one (21) years of age or over who resides out of the State or who has not been a resident of the State twelve (12) months subsequent to his twenty-first birthday or for twelve (12) months immediately preceding the date of registration.

2. The term "residence" means "legal residence" or "domicile"; and the term "resided in" means "domiciled in."

3. The legal residence of one who is under twenty-one (21) years of age is that of the father. Upon death of the father, the legal residence of the minor is that of the mother. Upon divorce of the



parents, the residence of the minor is determined by the legal residence of the person to whom custody is granted by the court until the minor shall have reached the age of fourteen. After the minor has attained the age of fourteen, the residence of the minor shall be determined by the residence of the parent with whom the minor has made his home for the twelve months immediately preceding his registration. If the custody of the minor has been granted to some person other than a parent, the residence of that person shall continue to control for so long as the minor actually makes his home with such person. In the absence of any grant of custody, the residence of the parent with whom the minor has made his home for the twelve months immediately preceding his registration shall govern. If the minor has not made his home with either parent, the residence of the father shall control.

4. A student under twenty-one (21) years of age shall not be classified as a resident student until his parent shall have maintained legal residence in this State for at least twelve (12) months. A student under twenty-one (21) years of age whose parent leaves the State and establishes legal residence in another State shall be classified as a nonresident student. It shall be the responsibility and duty of the student to submit legal evidence of any change of residence.

5. All individuals who have come from without the State of Texas and who are within the State primarily for educational purposes are classified as nonresidents. Registration in an educational institution in the State is evidence that residence is primarily for educational purposes even though such individuals may have become qualified voters, have become legal wards of residents of Texas, have been adopted by residents of Texas, or have otherwise attempted to establish legal residence within the State.

6. The residence of a wife is that of her husband; therefore, a woman resident of Texas who marries a nonresident shall be classified as a nonresident and shall pay the nonresident fee for all semesters subsequent to her marriage. (Exception: A woman student of The University of Texas who is classified as a resident student and who marries, while a student, a nonresident student of the University shall be permitted to continue to pay the resident fee for the two long-session semesters immediately following her marriage). A nonresident woman student who marries a resident of Texas is entitled to be classified immediately as a resident student and is entitled to pay the resident fee for all subsequent semesters.

7. All aliens shall be classified as nonresident students except that an alien who has applied for naturalization in the United States and has received his first citizenship papers shall have the same privilege of qualifying as a resident student as a citizen of the United States. The twelve (12) months' residence required to establish the status of a resident shall not begin until after such first citizenship papers have been issued to the alien.

8. Members of the Army, Navy, or Marine Corps of the United States who are stationed in Texas on active military duty shall be permitted to enroll their children by paying the tuition fees and charges provided for resident students without regard to the length of time such member of the Armed Service shall have been stationed on active duty within the State. This provision shall extend only during active military service in Texas; and upon such member of the Armed Service being transferred outside the State of Texas, his children shall be classified as to residence under Section One (1) of these regulations. Any student claiming the privilege of this action shall submit at each registration a statement by the commanding officer of the post or station at which his parent is on active duty verifying the fact of his parent's military status.

9. Appointment as a member of the teaching or research staffs or the holding of a fellowship, scholarship, or assistantship shall not affect a student's residence status or the tuition fee to be paid.

10. It shall be the responsibility of the student to pay the correct fee at the beginning of each semester or term for which he may register, and a penalty of five (\$5) dollars may be assessed for failure to pay the proper fee.

### *Character and Age*

Most of the cost of modern medical education comes from society and attendance at a medical school is a privilege granted to certain specially qualified persons in order that there may be satisfactorily trained physicians for the future. Those to whom this privilege is granted should of course be those who give promise of making the best physicians. The effective study of medicine requires maturity of judgment and considerable scholarly background. To this end students between 20 and 30 years of age are preferred. Men and women are admitted to the medical school on equal conditions. Candidates for admission must be at least 18 years of age, and each



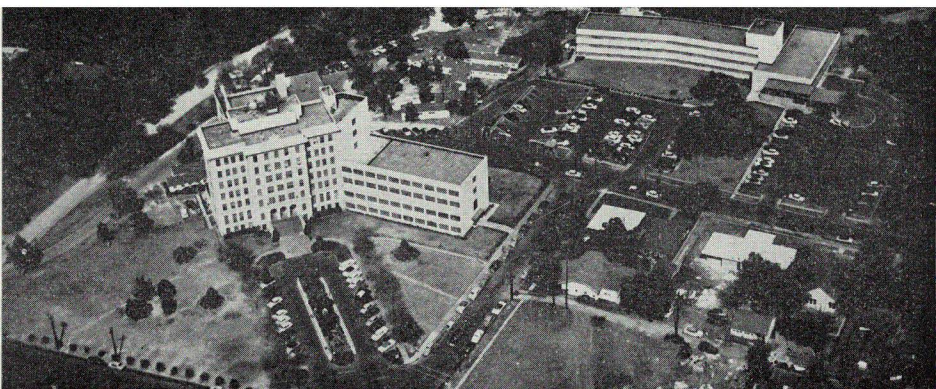


PARKLAND MEMORIAL HOSPITAL

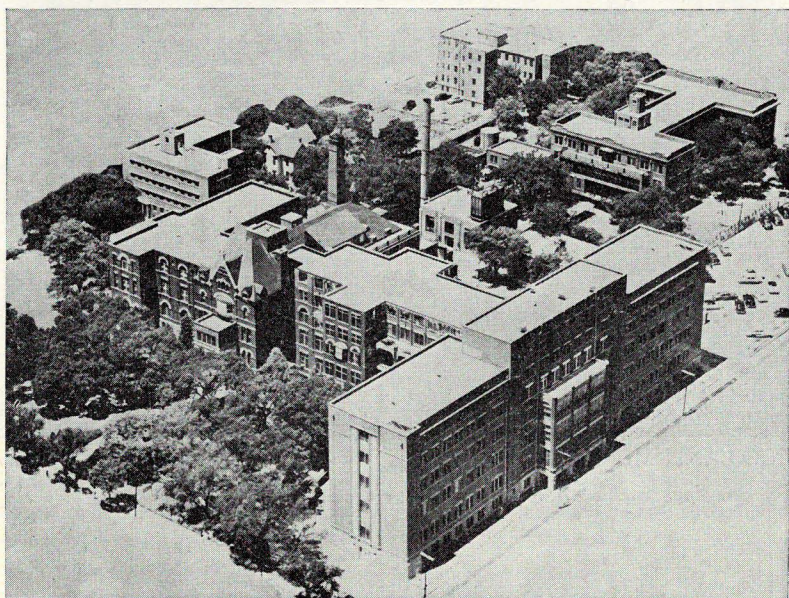
*The principal teaching hospital of Southwestern Medical School*

OTHER AFFILIATED HOSPITALS  
*are shown on the following three pages*



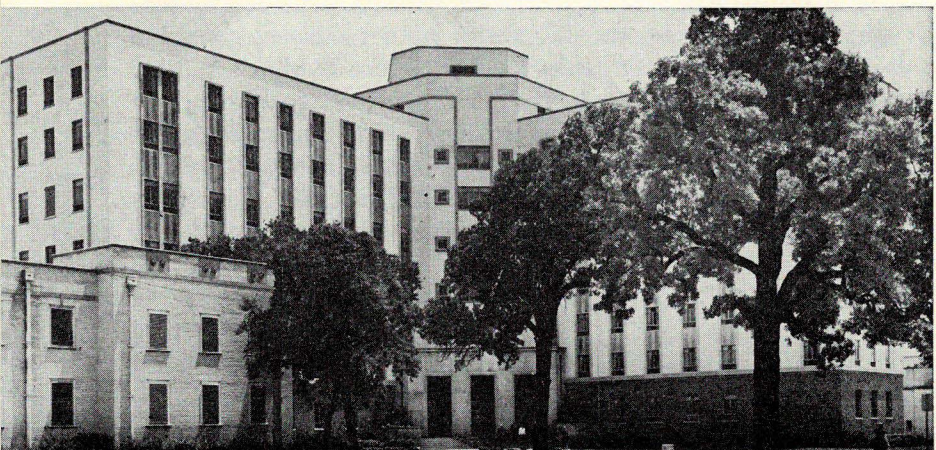


METHODIST HOSPITAL



ST. PAUL HOSPITAL

BAYLOR UNIVERSITY HOSPITAL

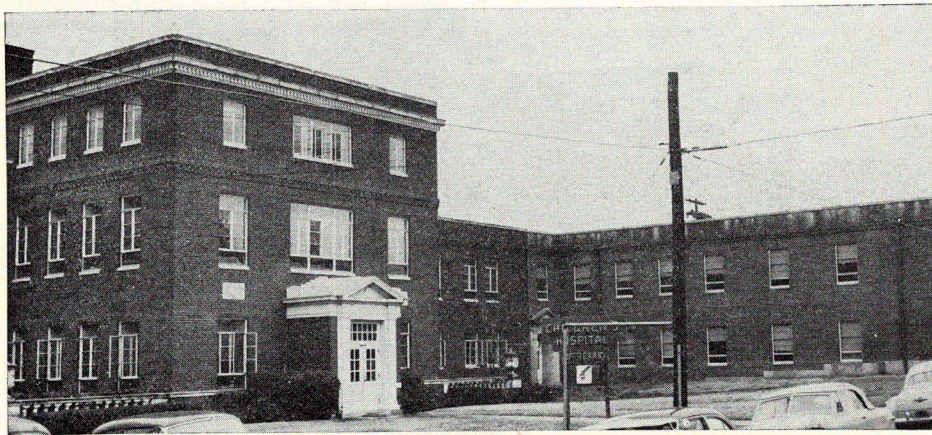






RICHMOND FREEMAN MEMORIAL CLINIC (*Children's Medical Center*)

CHILDREN'S HOSPITAL OF TEXAS (*Children's Medical Center*)



BRADFORD MEMORIAL HOSPITAL (*Children's Medical Center*)



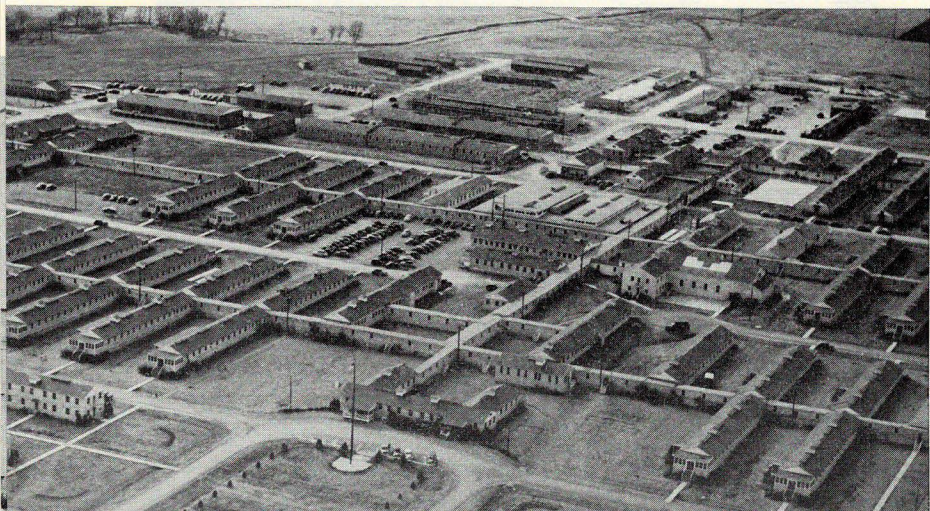




DALLAS VETERANS ADMINISTRATION HOSPITALS



McKINNEY VETERANS ADMINISTRATION HOSPITAL





candidate less than 21 years old must present a written statement from a parent or guardian giving permission to attend medical school.

### *Specific Courses*

Admission to Southwestern Medical School of The University of Texas requires minimum credit for ninety semester hours of college courses, including fifty-six semester hours of prescribed courses, from recognized and accredited colleges. In order to be eligible for consideration for admission to this medical school a student must have attained a scholarship average of *C* or better in the prescribed premedical courses, listed below, that have been completed at the time of submission of the application. An applicant must also have met the admission requirements of the College of Arts and Sciences of The University of Texas.

The prescribed premedical courses are:

- (1) Twelve semester hours in English
- (2) Twelve semester hours in biology or zoology, including three or more semester hours in comparative vertebrate anatomy
- (3) Eight semester hours in physics
- (4) Eight semester hours in inorganic chemistry
- (5) Six semester hours in organic chemistry
- (6) Four semester hours in quantitative chemical analysis, with emphasis on volumetric assays
- (7) Six semester hours in mathematics, including college algebra and trigonometry (or analytical geometry, if desired, where trigonometry was taken in high school)

Courses in psychology, philosophy and sociology are strongly recommended.

The acceptance of courses rests with the Registrar and Dean of Admissions of the Main University. The selection of the first-year students from the applicants who have been cleared is made by the Committee on Admissions of Southwestern Medical School.

Under certain circumstances, a person possessing an advanced degree may be admitted to Southwestern Medical School without having fulfilled all of the basic requirements for admission except those required by state law. Admissions on this basis will be handled individually and must be approved by action of the Chancellor and the Board of Regents.

### *Legal and Regental Regulations*

As required by Legislative acts, students must have credit for six semester hours in American government before they can be certified for graduation from a tax-supported state educational institution of Texas with a college degree. Six semester hours of American history are required of all candidates for a bachelor's degree from The University of Texas by action of the Board of Regents of The University. To fulfill the above requirements, students entering medical school with a bachelor's degree from another institution must present or make up three hours of American Government (Government 610a).

Students are urged to include six semester hours of American government and six semester hours of United States history among the elective subjects required for admission to Southwestern Medical School. If the requirements in government and history are not satisfied before admission, *they must be satisfied before a student can enter the senior year in medicine*. Courses to satisfy these requirements are offered by correspondence as well as in residence at the Main University in Austin.

### *Advanced Standing*

When facilities permit, applications from second year students from other accredited medical colleges may be considered for advanced standing in Southwestern Medical School of The University of Texas on presentation of satisfactory certificates showing successful completion of courses of instruction equivalent to those offered in this medical school. In each case the standing of the school and the thoroughness of the courses offered will be appraised carefully and credit allowed accordingly. Advanced standing credit may be accepted only from schools on the approved list of the Association of American Medical Colleges and the Council on Medical Education and Hospitals of the American Medical Association. Because of overcrowding in the clinical years, only exceptionally well qualified applicants for advanced standing are likely to be considered. Admission to the second or fourth year class may be granted only under very exceptional circumstances. Special examinations covering course work taken elsewhere may be required of any applicant for advanced standing. Advanced standing beyond that allowed in



the school previously attended will not be granted. Applicants for advanced standing can be considered only if they have fulfilled the general premedical scholastic requirements for admission to the corresponding first year class in this school, including satisfactory performance on the Medical College Admission Test. If previous premedical training is fully satisfactory, and if the applicants are eligible for continuing study at the last medical school attended, their application will be submitted to the Admissions Committee as soon as the transcript of work taken during the first term of the current year is available. Complete transcripts of premedical and medical performance must be submitted with applications, together with a letter of honorable dismissal from the last school attended. Further information may be obtained from the Registrar of Southwestern Medical School.

### *Application Procedure*

Applications for admission to a class beginning in September of any year will not be accepted for consideration after March 1 of that year.

Applicants should submit the following:

- (1) A formal application on blank obtained from the Registrar's Office
- (2) Complete scholastic records and letters of honorable dismissal from colleges previously attended
- (3) A health certificate from a licensed physician
- (4) A \$5.00 filing fee in certified check or money order
- (5) Two recent unmounted photographs, size 2 inches by 2 inches
- (6) Recommendations from the premedical advisory committee or the dean and two professors in the college or university attended for premedical study.

The Medical College Admission Test prepared by the Educational Testing Service must be taken by the applicant before the Committee on Admissions will act on an application. The test is frequently offered at premedical training centers by the Association of American Medical Colleges. Scores on the old Medical Aptitude Test, taken prior to January 1947, are not acceptable in satisfaction of this requirement.

Selection of applicants is made by the Committee on Admissions

well in advance of the opening session for the next entering class. Application for admission should be made to the Registrar of Southwestern Medical School of The University of Texas as soon as the applicant is qualified, and normally between October and the following February. This may be possible after the completion of sixty semester hours of premedical study, depending upon the distribution of courses completed. The Committee on Admissions will list applicants on the basis of weighted premedical scholastic performance and will call for personal interviews, beginning at the top of this list and continuing until the class and some alternates have been chosen. The freshman class is limited to one hundred students.

### *Physical Examination*

Health requirements are stated in detail under Student Health Service. (Pages 44-46).

Entering freshmen will be given a physical examination by members of the staff. Physical examinations may be made subsequently at the beginning of each academic session or when requested.



# CURRICULA

## DEGREES

THE DEGREES offered by Southwestern Medical School of The University of Texas are Doctor of Medicine and Master of Medical Art. A combined course leading to the degree Bachelor of Arts is offered on the basis of three academic years of undergraduate courses at the Main University and the first academic year in Southwestern Medical School. No degree may be granted until all obligations of the student—academic, moral, and financial—have been satisfactorily discharged.

### *Degree of Bachelor of Arts*

A student satisfactorily completing 96 semester hours of work at the Main University at Austin and the first year in Southwestern Medical School at Dallas may receive the degree of Bachelor of Arts, to be conferred at Austin. With this arrangement both the B.A. and the M.D. degrees may be taken in seven scholastic years. Appropriate premedical courses are: English 601 (or 1) or 601Q (or 1Q); courses 406 and 407 in a foreign language (preferably French or German); six semester hours of Mathematics, including algebra; Chemistry 801; Biology 607 (or 7); six semester hours of sophomore English; three additional semester hours in the foreign language taken previously; Chemistry 810; Physics 801; Zoology 314 and 317K; Chemistry 812; Government 610 (or 10); Economics 312 or 313; Zoology 320 and 321; History 615 (or 15); elective, enough to make the total requirement of ninety-six semester hours. Students must satisfy special requirements as established for the general Bachelor of Arts degree and as described in the College of Arts and Sciences catalogue.

### *Degree of Doctor of Medicine*

The degree of Doctor of Medicine is awarded upon the satisfactory completion of twelve terms of regular instructional courses of twelve weeks each in the Medical School, ordinarily in four academic

sessions. Candidates must (1) be *at least 21 years of age* at the time the degree is to be awarded, (2) present evidence of good moral character, (3) offer satisfactory evidence of having properly fulfilled all academic requirements of the medical curriculum, and (4) comply with all necessary legal and financial requirements.

### *Degree of Master of Medical Art*

Training leading to the degree of Master of Medical Art is offered at Southwestern Medical School on an individual basis by approval prior to the beginning of such work.

The Admissions Committee of the Medical School shall determine the applicant's fitness for admission in accordance with the quality of his credentials and the recommendation of the Chairman of the Department.

For admission to candidacy for the degree of Master of Medical Art, the following requirements must be met:

1. A bachelor's degree from an approved college of liberal arts, or
2. Completion of 90 semester hours in satisfaction of a combined degree plan whereby the equivalent of the fourth academic year is accepted by the liberal arts college for the work done in this Medical School. The applicant's curriculum must show evidence that a bachelor's degree can be obtained before the date of receiving the degree of Master of Medical Art.

The applicant's credentials under preliminary training must include the following subjects to be completed before the date of admission to this School:

*Art:* A minimum of 16 semester hours.

*English:* At least one academic year.

*Biology:* 6 semester hours of general and vertebrate, not including botany.

*Physics:* 8 semester hours.

*Chemistry:* Inorganic, 6 semester hours (non-premedical course accepted, 8 hour premedical course preferred); organic, 4 hours.

*Electives:* Sufficient to complete 90 semester hours.

*Average:* B average or better on all art courses. C average or better on all other courses.

*Interview:* A personal interview with the Chairman of the Department of Medical Art is required and his recommendation is prerequisite for consideration by the Committee on Admissions.



*Minimum Residence:* A residence is required at this School of at least two academic years. Students with full-time positions on the instructional staff may not receive credit for more than one-half time residence.

*Course Requirements:* A minimum of the equivalent of 67 semester hours in courses approved for graduate credit including the thesis, with a grade of *B* in the major department and a grade of *C* in the minor departments, is required for the degree of Master of Medical Art. Of the 67 hours required, not less than 39 must be earned in the Department of Medical Art. Transferred credits may be used toward fulfillment of the semester hours requirements but may not reduce the minimum residence requirements.

*Thesis:* During the fall of the second year, a special committee consisting of two members from the major department and at least two members from the other departments is appointed by the Dean. This committee shall determine the scope of the work to be done relative to the student's thesis and shall evaluate that work. The first Monday in December is the date for the thesis topic to be approved by the Dean. The thesis digest must be presented to the committee by the first Monday in February. The thesis must be completed and presented to the committee for acceptance not later than the first Monday in April before the time the degree is to be awarded. Two unbound copies of the thesis, typewritten in final form and bearing the written approval of the committee, must be presented to the Dean by the first Monday in May for his signature. The original and first carbon copy of the thesis in bound form must be turned in to the dean's office by May 15.

*Degree Examination:* After meeting all the other requirements for the degree, at a time determined by the committee but not later than the last week in April, the student must demonstrate his ability to cope with the major problems in medical art. A report of the committee is to be sent to the Dean not later than twenty-four hours after the examination.

*Combined Degree Plan:* The co-operation of the division of arts and sciences of any recognized college or university is invited for this combined degree plan whereby students majoring in art may obtain their bachelor's degree conjointly with their first year's work for the degree of Master of Medical Art at this medical school.

## THE MEDICAL CURRICULUM

The course of study in Southwestern Medical School is designed to prepare self-reliant, sympathetic, and efficient general practitioners of medicine. Close correlation between different subjects is promoted, but each field is considered broadly as a university discipline. The relations of teachers and students are expected to be those which naturally would prevail in university graduate work.

The third and fourth years are divided into blocks and allocated to the departments of medicine, surgery, obstetrics-gynecology, pediatrics, and psychiatry. All instruction, *i.e.*, clerkships, lectures, conferences, and such, pertaining to these departments is given within its own block of time. In this way, a student assigned to medicine, for example, can devote his entire time to that subject without interruption and is not responsible for any other assignments or examinations.

The exception to this arrangement is a series of trans-departmental courses, primarily lectures, which are presented to the entire class throughout the year. For the juniors these courses are given on Wednesday afternoons, and for seniors on Thursday afternoons.

Didactic instruction is limited to the minimum number of lectures, group clinics, and demonstrations consistent with satisfactory presentation and principles. The bulk of medical knowledge and experience is expected to be gained from individual initiative under guidance in conference, laboratory, clinic, bedside, and library. The instructional staff functions chiefly in a preceptorial and advisory capacity.

The academic year is divided into three terms of twelve weeks each. Twelve terms comprise the training course for the degree of Doctor of Medicine. The time allotments for each academic year's work may be noted in the tables following. The unit system for the evaluation of courses and hours for promotion shall be on the clock-hour basis with the following subdivisions allowed:

25 clock-hours of instruction or less	no credit
26 to 75 clock-hours	one-half unit of credit
76 to 100 clock-hours	one unit of credit
Additional hours are evaluated on a similar basis.	



*Summary of Courses, Hours, Units for Each Year*

## FIRST-YEAR MEDICINE

<i>Course</i>	<i>Clock Hours</i>	<i>Unit Value</i>
Biochemistry	220	2
Biophysics	36	0.5
Correlation	18	0
Gross Anatomy	300	3
Histology-Embryology	200	2
Neuro- {	Anatomy 100	1.5
	Physiology 25	
Physical Medicine	6	0
Physiology	305	3
Psychiatry	48	0.5
	<hr/>	<hr/>
TOTAL	1,258	12.5

## SECOND-YEAR MEDICINE

<i>Course</i>	<i>Clock Hours</i>	<i>Unit Value</i>
Bacteriology and Immunology	210	2
Clinical Pathology	144	1.5
Introduction to Medicine	192	2
Pathology	288	3
Pharmacology	216	2
Physical Medicine	6	0
Preventive Medicine and Public Health	54	0.5
Psychiatry	48	0.5
	<hr/>	<hr/>
TOTAL	1,158	11.5

# FRESHMAN SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<i>1st Term</i> 12 weeks 8-12 AM	Histology- Embryology	Biophysics 1 hour Histology- Embryology	Histology- Embryology	Biophysics 1 hour Histology- Embryology	Biophysics 1 hour Histology- Embryology	Gross Anatomy 2 hours Psychiatry 12 hours
1-4 PM	Gross Anatomy	Gross Anatomy	FREE	Gross Anatomy	Gross Anatomy	FREE
<i>2nd Term</i> 12 weeks 8-12 AM	Histology- Embryology 1 week Neuroanatomy 7 weeks Physiology 4 weeks	Histology- Embryology 1 week Neuroanatomy 7 weeks Biochemistry 4 weeks	Histology- Embryology 1 week Neuroanatomy 7 weeks Physiology 4 weeks	Histology- Embryology 1 week Phys. Medicine 1 hr-6 wks Neuroanatomy 7 weeks Biochemistry 4 weeks	Histology- Embryology 1 week Neuroanatomy 7 weeks Biochemistry 1 week	Gross Anatomy 2 hrs-8 wks  Psychiatry 2 hours
1-4 PM	Gross Anatomy 8 weeks Physiology 4 weeks	Gross Anatomy 8 weeks Correlation 1 hr-4 wks Physiology 4 weeks	FREE	Gross Anatomy 8 weeks Physiology 4 weeks	Gross Anatomy 8 weeks Physiology 4 weeks	FREE
<i>3rd Term</i> 12 weeks 8-12 AM	Physiology	Biochemistry	Physiology	Physiology	Biochemistry	Biochemistry
1-4 PM	Physiology	Correlation 1 hour Physiology	FREE	Biochemistry	Physiology	FREE



# SOPHOMORE SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<i>1st Term</i> 12 weeks	Pharmacology 8-10 AM	Pharmacology 1 hour			Pharmacology 1 hour	Bacteriology 8-10 AM
8-12 AM	Bacteriology- Immunology 10-12 AM	Bacteriology- Immunology 9-12 AM	Bacteriology- Immunology	Pharmacology	Bacteriology	Pharmacology 10-12 AM
1-4 PM	Pathology	Pathology	FREE	Pathology	Pathology	FREE
<i>2nd Term</i> 12 weeks	Pharmacology 2 hrs-6 wks	Pharmacology 1 hr-6 wks	Pharmacology 1 hr-6 wks	Pharmacology 4 hrs-6 wks	Pharmacology 4 hrs-6 wks	Pharmacology 4 hrs-6 wks
	Bacteriology- Immunology 2 hrs-6 wks	Bacteriology- Immunology 6 weeks	Bacteriology- Immunology 3 hrs-6 wks	Prev. Medicine 1 hr-6 wks		
	Intr. Medicine 1 hr-6 wks	Psychiatry 2 hrs-6 wks	Prev. Medicine 1 hr-6 wks	Psychiatry 3 hrs-6 wks	FREE 6 weeks	FREE 6 weeks
	Pathology 3 hrs-6 wks	Prev. Medicine 1 hr-6 wks		Phys. Medicine 1 hr-6 wks		
1-4 PM	Pathology 6 weeks	Pathology	FREE 6 weeks	Pathology	Pathology	FREE
	Intr. Medicine 6 weeks		Intr. Medicine 6 weeks			
<i>3rd Term</i> 12 weeks	Clinical Pathology 3 hours	Clinical Pathology 3 hours	Intr. Medicine 1 hour	Clinical Pathology 3 hours	Clinical Pathology 3 hours	
8-12 AM	Intr. Medicine 1 hour	Prev. Medicine 1 hour	Prev. Medicine 1 hour	Prev. Medicine 1 hour	Intr. Medicine 1 hour	FREE
1-4 PM	Intr. Medicine	FREE	Intr. Medicine	Psychiatry 2 hours	Intr. Medicine	

## THIRD-YEAR MEDICINE

<i>Course</i>	<i>Clock Hours</i>	<i>Unit Value</i>
Medicine	666	6.5
Obstetrics and Gynecology	200	2
Pediatrics	200	2
Psychiatry	133	1.5
Trans-departmental Courses:		
Physical Medicine	6	
Physiological Pathology	36	
Preventive Medicine and Infectious Diseases	18	
Radiology	24	
Urology	6	
Therapeutic Conference	18	
	<hr/>	<hr/>
TOTAL	1,307	12.0

*Block Schedule*

## EACH TERM

Medicine	Medicine	Obstetrics and Gynecology
12 weeks	8 weeks	6 weeks
	Psychiatry	Pediatrics
	4 weeks	6 weeks

Trans-departmental entire class lectures occur on Thursday afternoons.



## FOURTH-YEAR MEDICINE

<i>Course</i>	<i>Clock Hours</i>	<i>Unit Value</i>
Medicine	200	2
Obstetrics and Gynecology	260	2.5
Pediatrics	260	2.5
Surgery	600	6
Trans-departmental Courses:		
Clinical Pathological Conference	48	
Medical Jurisprudence	12	
Physiological Pathology	36	
Radiology	6	
Surgery Lectures	45	
	<hr/>	<hr/>
TOTAL	1,467	13.0

*Block Schedule*

## EACH TERM

Medicine	Surgery	Obstetrics and Gynecology
6 weeks		6 weeks
Surgery	12 weeks	Pediatrics
6 weeks		6 weeks

Trans-departmental entire class lectures occur on Wednesday afternoons.

## MEDICAL ART AND VISUAL EDUCATION

## FIRST YEAR

<i>Course</i>	<i>Clock Hours</i>	<i>Semester Hour Equivalent</i>
Medical Courses:		
Anatomy, Gross	300	8
Histology	150	5
Physiology	234	7
Medical Art Courses:		
Anatomical Drawing	180	4
Drawing Techniques	298	7
Introduction to Surgical Drawing	140	3
	<hr/>	<hr/>
TOTAL	1,302	34

## SECOND YEAR

Medical Course:		
Pathology	288	8
Medical Art Courses:		
Second Year Drawing		
Techniques	376	8
Photographic Chemistry and Photographic Optics	130	3
Photography and Photomicrography	235	5
Planning and Preparation of Exhibits and Displays	141	3
Master's Thesis	282	6
	<hr/>	<hr/>
TOTAL	1,452	33



## *Grades and Promotions*

Departments submit grades for students to the Dean's Office at periodic intervals throughout each course.

*Examinations are conducted on the honor system.*

The grading system is as follows: A, B, C, D, and F (failure). When a student satisfactorily completes the course requirements of an academic session, he is advanced to the next year's class provided there are no reasons to make this procedure unwise.

A student may incur an academic deficiency in either of two ways: (1) by failure to attain an over-all average of *C* in courses taken during the year or (2) by making a grade of *F* in any individual course. When an academic deficiency is incurred, the student is referred to the Promotions Committee for investigation. Unsatisfactory scholastic performance or conduct may constitute a basis for referral to the Promotions Committee at any time during the year.

In computation of grade averages, the minimal *C* implies that a grade of *D* must be balanced by a grade of *B* in another course of equal or greater unit value. A student incurring academic deficiency may (1) be required to withdraw from school, (2) be required to repeat the whole year's work, or (3) be allowed to remove the deficiency by whatever means the Promotions Committee shall recommend.

The Promotions Committee is composed of representatives of each department of the Medical School. Its function is to review all important aspects of each case of deficiency referred to it and make appropriate recommendations to the Dean for solution of the student's problem.

## *Withdrawal*

Medical schools usually request students to withdraw who fail to show satisfactory scholastic performance and conduct. It is necessary to consider not only students' grades but also their integrity, their industry, and their mental and moral inclinations in admitting them to the school, in advancing them to a higher class, or in requesting them to withdraw from the school. These matters indicate

factors of importance in dealing with any particular individual. The school remains free to pass upon each case according to its merits.

Any student desiring to terminate his enrollment should consult the Assistant Dean of Student Affairs in advance of separation. The official procedure involves presentation to the Assistant Dean of a written statement of reasons for withdrawal and clearance with the departments in which courses are in progress so that equipment can be accounted for properly. Only in this way can "honorable dismissal" be recorded and action started on a refund of payment according to the policy outlined on page 54.

### *Medical Studies in Other Schools*

By action of the Board of Regents of The University of Texas, students of Southwestern Medical School are permitted, with the approval of the Dean, to pursue certain parts of their medical studies within the confines of other approved medical schools of this country and abroad, subject to the following conditions:

1. That the student enroll and pay all fees at Southwestern Medical School.
2. That the student pay the fees required by the institution of his selection.
3. That, on completion of study, appropriate credit at Southwestern Medical School be granted provided proof of satisfactory completion of studies in the other institutions is presented.

### BOARD EXAMINATIONS

On completion of the preclinical course of study, students are strongly advised to take the Part I Examination of the National Board of Medical Examiners. The Part II Examination may be taken on completing the clinical course of study. Successful passing of these examinations helps materially in judging the ability of students whose performance might otherwise make doubtful the wisdom of recommending them for continuing the study of medicine in the clinical years, or for the degree of Doctor of Medicine. Information regarding these examinations may be obtained from the National Board of Medical Examiners of the United States, 225 South 15th Street, Philadelphia, Pennsylvania, or from the Registrar of Southwestern Medical School.



## THE GRADUATE PROGRAM

Southwestern Medical School of The University of Texas is instituting courses leading to advanced degrees in the basic medical sciences as rapidly as facilities and personnel permit the presentation of sound programs leading to those degrees. Instruction is now available in certain fields on an individual basis. The same requirements for graduate study apply at Southwestern Medical School as at the Graduate School of the Main University in Austin. Individuals who are interested in working towards a Ph.D. degree in any of the basic medical science subjects should correspond with the Assistant Dean for Graduate and Postgraduate Education at Southwestern Medical School.

## THE POSTGRADUATE PROGRAM

The postgraduate program of Southwestern Medical School of The University of Texas is being conducted under the auspices of this school and of the Postgraduate School of Medicine of The University of Texas with headquarters at Houston. Courses are planned locally and are directed toward the goal of helping practitioners of medicine to keep abreast of current advances and developments in all the fields of medicine, both preclinical and clinical.

The activities of this division of the Medical School fall roughly into two main categories:

First are courses which are initiated by the school and are advertised generally throughout the state. Such courses may be one-night-a-week or once-a-fortnight sessions held either at Dallas or at some outlying center, and may deal with limited subjects such as radiological diagnosis or electrocardiographic interpretation. There are also monthly courses, meeting in Dallas for two or three consecutive days, which usually deal with one whole branch of the field of medicine such as orthopedic surgery, or obstetrics and gynecology. From time to time special courses are presented at Dallas with guest lecturers who are outstanding authorities on their subjects. Such a course usually deals with a single, rather restricted topic and is designed for physicians with more specialized interests.

The second large category of activity relates to one-day seminars

held at various cities throughout the state, usually at the request of some medical organization, such as the Academy of General Practice or some county or district medical society. The character of the subjects covered in these courses varies considerably, depending on the wishes of the organization. Such courses as these are not regularly scheduled, but each is prepared by arrangement with the Assistant Dean for Graduate and Postgraduate Education.

In both types of course the instruction is carried on by the regular full-time and clinical faculty of Southwestern Medical School and is designed particularly to appeal to practising physicians.

No specific curriculum credit is offered for any of these courses, but all courses offered by the school count as formal hours of credit for members of the Academy of General Practice.

Physicians who are interested in postgraduate courses should write for information to the Assistant Dean for Graduate and Postgraduate Education.



# COURSE DESCRIPTIONS

## ANATOMY

*Chairman*, Professor Duncan; Professors Ades, Harrison; Assistant Professor Weathersby; Instructors Bishop, Hagy; Assistants Bray, Chaney, Enright, Phillips, Viar, Wiles

In this department an effort is made to correlate the subjects taught in such manner as to fix well in the student's mind the essential elements of one subject upon which to base the facts to be presented in the succeeding courses. Not only is this attempted in regard to the subjects taught in this immediate department but every influence is brought to bear upon the student in order that he may be convinced of the necessity for a thorough understanding of the basic principles upon which the more advanced courses in medicine are based. Lectures, quizzes, and laboratory exercises are conducted in a manner designed to incite in the student any practical originality that he may possess. He is encouraged by these methods and guided by the staff to assume the initiative so necessary in reducing to a minimum his dependence upon others. The student's attention is constantly called to the value of learning well the facts upon which great emphasis is placed, so that he may the better be enabled to discard the non-essentials.

## FIRST YEAR

### COURSE I—HISTOLOGY AND EMBRYOLOGY—200 HOURS

The first two weeks of work consist of a study of the tissues of the body. This is followed by a brief study of the developmental history of the embryo, in which attention of the student is directed to the bearing of embryological phenomena upon clinical subjects. Supplementary study is given to serial sections of 10 and 30 millimeter pig embryos, together with examination of gross human embryos. Attention is given to the causes of malformation and anomalies.

Following the work in embryology, microscopic study is made of the various organs in the different systems of the body. The greater part of the work is devoted to a study of the architecture of normal adult organs. Throughout the course the interrelationship of structural condition and functional activity is emphasized.

**COURSE II—GROSS ANATOMY—300 HOURS**

The unit of study is devoted to dissection of the upper and lower limbs, thorax, abdomen, and pelvis. Students working in groups of six complete the dissection of these parts with special attention to the thorax, abdomen, and pelvis.

Constant supervision in the laboratory with adequate directions for dissection insure clear demonstrations of all parts. At the same time, every attempt is made to develop the initiative of the student. Prior to the study of each region, a motion picture is shown of a similar dissection on a fresh cadaver. Throughout the dissection every effort is made to enable the student to correlate the facts obtained by observations in the laboratory, and to apply them to the dynamics and functions of the living body. Supplementary demonstrations are given of specially prepared cross sections, prosections, and museum specimens. Each student is supplied with a set of dried bones for home study. Discussion of the osteology is given with the dissection at hand. Rather than engulf the student with the details of bone markings, he is taught to visualize the skeleton surrounded by living, moving parts. The laboratory work is further supplemented by demonstrations of topographical anatomy, using radiological technics to illustrate the parts of the bony skeleton, and the thoracic and abdominal viscera.

Throughout the course the student is responsible for a demonstration of the current or any previous dissection at the discretion of members of the staff. Periodic practical laboratory examinations, written examinations, and oral review quizzes are given to make sure the student is conversant with every part of human anatomy at the end of the course.

**COURSE III—NEUROANATOMY—125 HOURS**

Neuroanatomy is included in a combined course entitled *Neuroanatomy and Neurophysiology*. The combined course consists of 125 hours of lectures, laboratory work and demonstrations; and, of this total, about 100 hours are ascribed to neuroanatomy proper. Since many of the anatomical principles are considered with respect to the functions involved, such as assignment of hours to one department or another is necessarily arbitrary. Afferent and motor neural systems are studied in their relation to the somatic and visceral structures of the body, and the important reflex arcs are traced. The integrative action of the central nervous system is considered in some detail. At the time the structure and function of each of the neural systems is considered, the results of damage to or loss of the neural system are presented in so far as the material is pertinent. The laboratory work consists of study of gross preparations of the brain and spinal cord, study of microscopic sections of the brain and spinal cord, microscopic projections sessions, neurophysiological experiments and neurophysiological demonstrations.

**BIOCHEMISTRY**

*Chairman*, Professor Tidwell; Professor Mason; Associate Professor Burr; Assistant Professor Wiggans; Instructors Dunkelberg, Rumsfeld; Research Associate McPherson; Fellow Wood



## FIRST YEAR

## COURSE I—BIOCHEMISTRY—220 HOURS

Elementary course for first year medical students. The lectures are devoted to a discussion of the fundamental properties of carbohydrates, fats, proteins and enzymes. The processes of digestion and intermediary metabolism are included as well as the chemistry of the blood, respiratory metabolism, neutrality regulation, secretions, urine, the vitamins and nutrition. In lectures and conferences are outlined those subjects which the student should pursue by his own systematic reading. The laboratory work consists of the qualitative and quantitative examination of the substances and processes treated in the lectures. A review of the fundamental laws and theories of chemistry before beginning the course is recommended.

## GRADUATE COURSES\*

## COURSE II—BIOCHEMICAL TECHNIQUES—3 SEMESTER HOURS

Advanced instruction in the use of research instruments and of such techniques as ion exchange, chromatography, isotopic tracer methods, microbiological assay, and electrophoresis. Applications of these are made to human and medical biochemistry.

## COURSE III—CLINICAL BIOCHEMISTRY—3 SEMESTER HOURS

Lectures and conferences are devoted to the chemistry of some processes involved in intermediary metabolism in man. The study includes some of the metabolic changes associated with both normal and disease processes.

COURSE IV—SPECIAL TOPICS IN INTERMEDIARY METABOLISM—  
3 SEMESTER HOURS

An advanced course in metabolic function with emphasis placed on certain aspects of biochemistry, such as: nitrogenous compounds, nucleic acids, hormones, biological oxidation, etc. Subject matter to be included will be determined each semester.

## COURSE V—ISOTOPES IN BIOCHEMICAL RESEARCH—3 SEMESTER HOURS

Offered in collaboration with the Department of Biophysics. Same as Biophysics Course IV.

## COURSE VI—BIOCHEMISTRY SEMINAR—3 SEMESTER HOURS

Seminars on special topics not sufficiently covered in lecture courses. Assignments are made with the intent of increasing knowledge of the literature and of training in presentation of information to others.

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\* Offered only as need arises. Some may be extended for additional credit.

## COURSE VII—BIOCHEMICAL RESEARCH—6 SEMESTER HOURS

Open to advanced students who are qualified to pursue independent or supervised investigations.

## BIOPHYSICS

*Chairman*, Professor Reid; Associate Professor Lanz; Assistant Robbins

## COURSE I—ELEMENTARY BIOPHYSICS—36 HOURS

This course is designed to acquaint the students with the fundamental physics of living organisms, the biological effects of physical agents and physical methods for studying biological structures and functions. It includes treatment of radioactivity, biological instrumentation, special biophysical instrumental analysis (as electrophoresis, etc.), fluid dynamics, biological radiation effects, statistical interpretation of data and related topics. No laboratory work is included in this course, but appropriate lecture demonstrations are incorporated.

It is urged that the students review the fundamental laws and theories of physics given in their premedical training before beginning the course, since their understanding of the lectures presented will be largely determined by their orientation in basic physical concepts.

## GRADUATE COURSES

## COURSE II—FUNDAMENTALS OF MEDICAL BIOPHYSICS—3 SEMESTER HOURS

The lectures are devoted to a discussion of the biological effects of physical agents, physical-chemical functions in living organisms and physical methods for studying biological structures and functions. Basic principles of biophysical diagnosis and therapy are presented. The laboratory work includes standardized applications of the points covered in the lectures.

## COURSE III—MEDICAL RADIOACTIVITY—3 SEMESTER HOURS

This course is designed to train the student in the principles and application of the medical uses of radioactive materials. Prerequisites include Fundamentals of Medical Biophysics and Medical Instrumentation.

## COURSE IV—NUCLEAR BIOCHEMISTRY—3 SEMESTER HOURS

*(Offered with the collaboration of the Department of Biochemistry Course V)*

This course is designed to acquaint the student with the fundamental principles and techniques necessary to the application of isotopes in the study of biochemical phenomena. Prerequisites include Biochemistry, Integral Calculus, some course work with radioactivity fundamentals and the approval of the in-



structors. The laboratory work in this course includes the experimental working through of problems using the above techniques.

COURSE V—MEDICAL INSTRUMENTATION—3 SEMESTER HOURS  
(*not offered in 1954-55*)

COURSE VI—BIostatISTICS—3 SEMESTER HOURS

This course deals with the application of statistical methods to the analysis of biological data.

COURSE VII—BIOPHYSICAL ANALYSIS—3 SEMESTER HOURS  
(*not offered in 1954-55*)

## EXPERIMENTAL MEDICINE

*Chairman*, Professor Grollman

The teaching program of the Department of Experimental Medicine aims at correlating and applying the fundamental preclinical sciences to clinical medicine. In lectures and teaching on the wards, the student is presented with the basic scientific approach to practical medicine and shown how the physiological, chemical, and therapeutic sciences may be applied at the bedside.

Opportunity is given for a selected number of qualified students to undertake an original experimental problem or to aid in such studies as are under investigation in the laboratory.

## THIRD AND FOURTH YEARS

COURSE I—PHYSIOLOGICAL PATHOLOGY—72 HOURS

One hour per week throughout the year for two years.

A series of lectures is given by members of various departments of the School, in which the scientific basis of modern medicine is stressed with a review of the underlying physiological, biochemical, pathological, and therapeutic principles and their application to the treatment of disease.

## INTERNAL MEDICINE

*Chairman*, Professor Seldin; Emeritus Professor Winans; Consultants Barton, Black, Carter, Donald, Miller; Professors Aagaard, Brereton, C. Chapman, J. Chapman, Friedman, Heyer, M.

Mason, Reddick, Rouse, Sensenbach; Associate Professors Braude, Brown, Carman, Coggeshall, Harris, Hawkins, Hayes, Mendenhall, Patterson, Rippy, Scurry, Shelburne, Shields, Sweeney, Thomas, Wilson; Assistant Professors Allday, Bagwell, Buehler, Daily, Dathe, Eisenberg, Freed, Harvill, Hernndon, Jones, Madison, Merrick, Metz, Miller, Potts, Robertson, Ross, Shapiro, Sheldon, Shuey, Tobian; Instructors Armstrong, Ault, Bailey, Barnes, Barnett, Barris, Bassett, Biggart, Block, Bornstein, Brown, Cameron, Cook, Douglas, Duncan, Flohr, Galt, Geist, Grater, Greve, Hamilton, Horn, LaDue, Marietta, E. Mason, P. Mason, Needham, Oliver, Osborne, Pickett, Rattan, Renken, Richburg, Rothschild, Sutherland, Ulevitch, Unger, West, Wolfram; Assistants Allen, Blanton, Bradfield, Cleveland, Dierolf, Fischer, Goode, Halden, Haley, Harris, Harvey, Hutcheson, Johnson, Johnston, Jones, King, Lyday, McNeill, Magers, Munsell, Murphy, Obenchain, Ogle, Popkess, Portman, Reynolds, Roberts, Schreiber, Teng, Veninga, Waldron, Wetegrove; Lecturer Sanders; Fellow Wu

### *Dermatology and Syphilology*

*Chairman*, Professor A. Schoch; Professors Fox, J. B. Shelmire; Associate Professors Brau, Loftis; Assistant Professor Howell; Instructors Alexander, Blair, Eisenberg, Fowler, Mantooth, Riddle, E. Schoch, J. B. Shelmire, Jr., Wasserman, Wharton

### *Preventive Medicine and Public Health*

*Chairman*, Professor Strauss; Professor Scheidt; Assistant Professor Bass; Lecturers Dulak, Ehlers, Smythe, Sudderth

### *Medicine*

The courses in internal medicine have a trifold function: to develop habits of critical inquiry which will enable the student continuously to seek and evaluate information; to develop in the student an appreciation of a conceptual framework which regards disease processes as instances of deranged physiology; to emphasize the re-



sponsibility of the physician, not alone to specific diseases but to the patient as a whole.

Accordingly, emphasis is placed on small group teaching at the bedside as well as in seminars. Physiological and clinical data and theory are brought to bear in the elucidation of the patient's problems. Reading in books and journals is encouraged and guided. Didactic lecturers are limited largely to orientation clinics or the presentation of new material. Elective courses are offered in the various medical subspecialties to small groups of students, thereby affording an opportunity for a more intense examination of special problems in the study of disease in which the student may be interested.

## SECOND YEAR

### COURSE I—INTRODUCTION TO MEDICINE—192 HOURS

Formal instruction in medicine starts in the second year with the course, *Introduction to Medicine*. It is designed to develop the student's skill in the technique of obtaining an accurate history of the patient's illness and in performing a thorough physical examination. The lecture series has two aims: 1) To integrate anatomical and physiological information in the understanding of the production of physical findings in normal subjects; and 2) To correlate physiological derangements with the pathogenesis of the more important symptoms and the altered physical findings in disease states.

## THIRD YEAR

### COURSE II—CLINICAL CLERKSHIP IN MEDICINE—666 HOURS

Each student spends twenty weeks during his third year as a clinical clerk on the wards of the hospitals. The students are assigned new patients in rotation and write up a comprehensive history, physical examination, and daily progress notes on each new patient, in addition to the usual laboratory work. Daily rounds are made by the staff and bedside teaching is stressed. Particular emphasis is placed on the acquisition of knowledge from the study of those patients assigned to the clinical clerk. The students meet in small discussion groups several times weekly with the attending physician to review the problems presented by the ward patients in a specific as well as general way.

Conferences are held each afternoon in the various medical subspecialties. Students assigned to patients presented at these conferences are obliged to attend; the remainder of the clinical clerks are encouraged to do so providing it does not interfere with their clerkship responsibilities.

## FOURTH YEAR

### COURSE III—CLERKSHIP IN OUTPATIENT MEDICINE—200 HOURS

During his fourth year each student spends six weeks in the Medical Out-

patient Department. Instructors from the Department of Internal Medicine and its division of Preventive Medicine and Public Health participate in the teaching. The purpose of this course is to correlate the knowledge the student has acquired with a means of applying it in the care of the individual sick patient. The importance of all the factors contributing to the patient's illness will be emphasized by a series of conferences in which members of various departments besides Medicine will participate.

#### COURSE IV—ELECTIVE COURSES IN MEDICINE

A. *Cardiovascular disease*: Students attend cardiac clinic, participate in cardiovascular consulting rounds, and work in the cardiovascular laboratory. Special attention is given to cardiovascular hemodynamic problems. Dr. Chapman and staff.

B. *Pulmonary physiology in clinical medicine*: Basic mechanics of normal and abnormal pulmonary function are reviewed. Students work in the pulmonary function laboratory and apply the various tests and techniques to patients on the hospital services. Dr. Miller and staff.

C. *Hematology*: Students participate in hematology clinic and hematology consulting rounds. Diagnostic techniques in hematology are studied by work in the hematology laboratory. Dr. Muirhead and staff.

D. *Infectious Disease*: Students work in the bacteriology laboratory, learning the basic techniques of bacteriological and serological diagnoses and treatment. Techniques are then applied to specific patients presenting problems on the hospital services. Dr. Braude and staff.

E. *Metabolism*: Those diseases and disorders amenable to analysis by the methods of clinical chemistry are studied. Students work in the metabolism laboratory, participate in metabolism consulting rounds, and attend metabolism clinic. Dr. Seldin and staff.

F. *Clinical Chemistry*: Discussions are held concerning the scientific basis for disease processes. This course is aimed at increasing the student's fundamental understanding and contrasted to mere acquisition of knowledge of disease. Dr. Mason and staff.

G. *Correlative Ophthalmology*: A detailed survey of the ophthalmoscopic findings occurring in systemic disease is presented, with practical sessions utilizing patients on the medical wards and in clinics. Dr. Browning and staff.

H. *Research*: Laboratory facilities are available for a limited number of suitably qualified students to undertake investigative problems under the supervision of a member of the Medical Staff. Dr. Seldin and staff.

## *Dermatology and Syphilology*

### THIRD YEAR

COURSE I—DERMATOLOGY AND SYPHILOLOGY—36 HOURS. ONE HOUR  
PER WEEK DURING THREE TERMS

This course consists of lectures, recitations, presentation of patients, and lan-



tern slide demonstrations covering the more important diseases of the skin and the manifestations of syphilis.

## FOURTH YEAR

### COURSE II—DERMATOLOGY AND SYPHILOLOGY—24 HOURS

This course consists of clinics in which the more important diseases of the skin are presented. In this course emphasis is laid on the cutaneous manifestations and treatment of syphilis.

### COURSE III—DISPENSARY SECTION WORK IN DERMATOLOGY AND SYPHILOLOGY—20 HOURS

This course affords abundant opportunity to demonstrate the clinical appearances, diagnosis, and treatment of the various skin diseases, including syphilis.

## *Medical Jurisprudence*

## FOURTH YEAR

### COURSE I—MEDICAL JURISPRUDENCE—12 HOURS

This course covers evidence and 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 relations of physicians to patients and the public, insanity, malpractice, the anti-narcotic laws, and workmen's compensation insurance. The medico-legal aspects of toxicology are fully covered in the course in pharmacology.

## *Preventive Medicine and Public Health*

## SECOND YEAR

### COURSE I—PREVENTIVE MEDICINE AND PUBLIC HEALTH—54 HOURS

This series of lectures introduces the student to the epidemiological method of the study of disease. This approach is applied not only to the communicable diseases but also to such public health problems as alcohol and drug addiction, accidents, and the chronic and degenerative diseases. The role of the practicing physician and of community organizations in the control of public health problems is stressed.

## THIRD YEAR

### COURSE II—PREVENTIVE MEDICINE—18 HOURS

The purpose of this course is to indicate the primary responsibility of the

practicing physician in the prevention of disease. Patients from the outpatient departments are presented and their problems discussed informally. Emphasis is placed on the preventive viewpoint in the counselling and management of patients.

## PHYSICAL MEDICINE AND REHABILITATION

*Chairman*, Associate Professor Krusen; *Instructors* Searl, Wade.

### FIRST YEAR

#### COURSE I—CORRELATION WITH BASIC SCIENCES—6 HOURS

This course has been designed as a clinical application of the knowledge gained in anatomy, physiology, and biophysics. Functional anatomy, muscle testing, and electrodiagnosis are presented by lectures and demonstrations.

### SECOND YEAR

#### COURSE II—BASIC PRINCIPLES OF PHYSICAL MEDICINE AND REHABILITATION—6 HOURS

These lectures are designed to familiarize the student with the clinical application of physical agents. These include heat, water, electricity, massage, therapeutic exercise, and physical rehabilitation.

### THIRD YEAR

#### COURSE III—APPLICATION TO SPECIFIC CLINICAL PROBLEMS—6 HOURS

These lectures are designed to present the total approach in physical medicine and rehabilitation to certain orthopedic, neurologic, and medical disabilities.

## MICROBIOLOGY

*Chairman*, Professor Sulkin; *Professor* Pike; *Assistant Professors* Donaldson, Guy, Hesselbrock, Rosenblum; *Assistant* Tocker; *Lecturer* Ajello

### SECOND YEAR

#### COURSE I—BACTERIOLOGY AND IMMUNOLOGY—210 HOURS

The course in medical bacteriology and immunology consists of lectures, laboratory exercises, conferences, and occasional clinics, and is designed to acquaint medical students with the fundamental principles involved in the iso-



lation and study of bacteria, fungi, rickettsiae and viruses. After a review of the general morphology and physiology of bacteria, the various factors involved in the host-parasite relationship in microbic infection are discussed. The mechanism of immunologic reactions and their application to diagnosis, specific therapy, and prophylaxis are considered in detail. The course continues with a study of the various groups of pathogens, emphasizing the factors involved in virulence and invasiveness, pathogenesis, host resistance and epidemiology. The various phenomena studied throughout the course are interpreted in their relation to the other medical sciences.

The following courses are available to candidates for Master's and Doctor of Philosophy degrees and to a limited number of properly qualified medical students. In each instance the hours will be determined by consultation with the chairman of the department.

#### COURSE II—IMMUNOLOGY

*Prerequisite:* Medical bacteriology. This course consists of laboratory exercises and conferences. Immunologic principles in the prophylaxis and therapy of infectious disease and the application of *in vivo* and *in vitro* serologic techniques in the diagnosis of such diseases are studied.

#### COURSE III—ADVANCED SEROLOGY

*Prerequisite:* Immunology. Laboratory exercises and conferences. This is a study of the theory and practical application of antigen-antibody reactions: quantitative techniques, purification of components and the design of practical procedures are emphasized.

#### COURSE IV—VIROLOGY\*

A survey of important viruses with particular emphasis upon those associated with disease in man.

#### COURSE V—PUBLIC HEALTH AND CLINICAL LABORATORY PROCEDURES\*

The student will become familiar with the diagnostic procedures used in the infectious disease laboratory. This will include the observation of these techniques as they are practiced in a local clinical or public health laboratory.

#### COURSE VI—MICROBIAL GENETICS\*

A survey of the hereditary mechanisms of microorganisms with emphasis on bacteria and viruses. Mutation and mutagenic agents, sexual recombination, transformation, transduction, and population changes will be studied. Training will be given in experimental and statistical methods employed in microbial genetics.

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\* This course not given every year.

**COURSE VII—BACTERIAL CHEMISTRY\***

The major portion of this course will be devoted to the carbon and nitrogen metabolism of bacteria. Also included will be a composition of bacteria, bacterial growth and nutrition, and effects of physical and chemical environment on microorganisms.

**COURSE VIII—RESEARCH**

May be repeated for credit. This will involve research in medical bacteriology, immunology, viruses, and medical mycology. A limited number of medical students will be accepted for special studies in medical microbiology. The nature of their work will be determined by consultation with the chairman of the department.

**COURSE IX—SEMINAR**

This course meets for two hours once a week. Papers relating to problems in microbiology and immunology appearing in the current journals are reviewed and discussed. The interpretation and analysis of published experimental data are emphasized. Required course for graduate students.

**COURSE X—THESIS**

A thesis based on research under faculty supervision is required for the master's degree.

**COURSE XI—DISSERTATION**

A dissertation based on original research is required of candidates for the degree of Doctor of Philosophy and must represent a contribution to scientific knowledge. Before undertaking a doctorate thesis the student must pass qualifying examinations.

## OBSTETRICS AND GYNECOLOGY

*Chairman*, Professor Mengert; *Emeritus Professors* Bourland, Dunlap; *Consultants* Gilbert, Maffett, Massey, Robinson; *Professors* Newsom, Strother; *Associate Professors* Devereux, Goff, Guerriero, Harrel, Kantor, McIver, Prejean, Vieaux; *Assistant Professors* Davidson, Fish, Haynes, Jennings, Jordan, Langston, Sebastian, Winn; *Instructors* Abrams, Bennett, Blend, Campbell, Cobb, Downs, Gottlich, Griffin, Henderson, Hood, Kamholz, Martinak, Mendel, Murray, Newell, Wilke; *Fellow Nabors*

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\* This course not given every year.



## SECOND YEAR

### COURSE I—THE OBSTETRIC AND GYNECOLOGIC HISTORY AND PHYSICAL EXAMINATION. ENTIRE CLASS

As part of Course I, Introduction to Medicine, of the Department of Internal Medicine, a series of clinical demonstrations is presented to illustrate the principles of history taking and physical examinations as applied to obstetric and gynecologic patients.

## THIRD YEAR

### COURSE II—PRINCIPLES OF OBSTETRICS AND GYNECOLOGY—48 HOURS.

FOUR HOURS A WEEK EACH TRIMESTER FOR ONE THIRD OF CLASS

The anatomy, physiology and pathology of the female reproductive apparatus and the principles of mechanics as applied to labor are discussed in a series of lectures. The course is designed to direct and supplement the student's independent reading, rather than to furnish a substitute for it.

### COURSE III—CORRELATIVE OBSTETRICS AND GYNECOLOGY—18 HOURS.

THREE HOURS A WEEK FOR SIX WEEKS OF A TERM

Informal question and answer sessions dealing with specific patient problems encountered by students on the wards and in the dispensary are held with the participation of members of the attending staff of the Department.

### COURSE IV—DRY CLINIC—6 HOURS. ONE HOUR A WEEK FOR SIX WEEKS OF A TERM

Members of the attending staff of the Department rotate in the weekly presentation of one or two patients illustrating typical clinical problems to a combined group of the third and fourth year students on the obstetric and gynecologic service.

### COURSE V—DISPENSARY—128 HOURS

Students are assigned in small groups to the Obstetric and Gynecologic Out-patient Dispensary of Parkland Hospital to serve as clinical clerks. These clinics are supervised by regularly assigned members of the attending staff. Each student spends one week as observer and clinical clerk on the maternity service of Parkland Hospital.

## FOURTH YEAR

### COURSE VI—CLINICAL CLERKSHIP AND PRACTICAL OBSTETRICS AND GYNECOLOGY—ESTIMATED 260 HOURS. ENTIRE TIME DURING SIX WEEKS OF A TERM

Students are assigned in small groups to act as full-time clinical clerks in the

Department of Obstetrics and Gynecology of Parkland, Baylor and Methodist Hospitals. This is an intensive service; each student performs an average of twelve deliveries under careful supervision and works as a clinical clerk in intimate contact with patients on both obstetric and gynecologic wards.

## PATHOLOGY

*Chairman*, Professor Muirhead; Professor Gill; Associate Professors Ashworth, Goforth, Wollenman; Assistant Professors Grossman, McCain, Montgomery, A. Smith, L. Smith

Instruction in pathology is given in the second, third, and fourth years. While the basic principles of pathology are studied from the viewpoint of gross and microscopic tissue organ changes, stress is also placed on functional and chemical correlations, and possible clinical manifestations. Illustrative materials from autopsies and surgical operations are available for gross and microscopic study.

## SECOND YEAR

### COURSE I—GENERAL AND SPECIAL PATHOLOGY—288 HOURS

The course in general and special pathology for second-year students is designed to cover the general principles of pathology and give the student a good understanding of the fundamental disease processes. The main emphasis is on basic anatomical changes encountered, with careful consideration of pathogenesis and natural history of diseases. Detailed consideration is given to specific infectious diseases, granulomas, neoplasms, degenerative diseases, and system pathology.

Students witness autopsies in small groups and prepare group reports for class discussion. Extensive use is made of illustrative material in the form of photographic reproductions for projection, and each student is provided with several hundred selected microscopic slides for his own individual study in laboratory.

In general, each new class or group of diseases is discussed by lecture and followed by study of illustrative material. Correlation with related physiology, bacteriology, clinical problems, etc., is stressed at all times.

### COURSE II—CLINICAL PATHOLOGY—144 HOURS

This course is designed to emphasize the application of the basic medical sciences to the clinical problems of diagnosis, prognosis, and treatment. It covers the examination of blood, spinal fluid, gastric contents and other body fluids and products suitable for laboratory studies.

The practical and theoretical aspects of human blood and intestinal parasites of the tropical and sub-tropical regions, along with certain phases of medical entomology, are included.



The above material is presented in lectures, laboratory exercises and demonstrations.

## FOURTH YEAR

### COURSE III—AUTOPSY TECHNIQUE AND RECORDS

Members of the fourth-year class witness autopsies performed at Parkland Hospital and at other affiliated hospitals. The clinical history is reviewed at the time of autopsy and an attempt made to correlate it with the anatomic changes found.

### COURSE IV—CLINICAL PATHOLOGICAL CONFERENCE—48 HOURS.

#### THROUGHOUT THE ENTIRE SESSION

At each weekly conference one carefully selected clinical record is studied as a diagnostic problem. Representative clinicians from the various departments participate in the discussion without any knowledge of the autopsy findings.

## PEDIATRICS

*Acting Chairman*, Professor Fashena; Consultant Hopkins; Professors Moore, Young; Associate Professors Brooksaler, Luecke, McFarland, Nesbit, Norman, Quilligan; Assistant Professors Ashby, Bradford, Dunlap, Halpern, Knickerbocker, R. Moore, H. Moore; Instructors Alfieri, Branch, Cornwell, Cotton, Dean, Fine, Hale, Hawkins, Krafft, Krempin, Lodowski, McKinney, Mewhinney, Porter, Powers, Roach, Sanders, Shires, Smith, Spegal, Womack; Assistants Baskin, Chandler, Crane, Denny, Gilmore, Newman, Smith, Turbeville; Fellows Ball, Brous, Carr, Diller, Johnson, Pharo, Russell

## SECOND YEAR

### COURSE I—METHODS OF EXAMINATIONS IN PEDIATRICS—11 HOURS

This course is part of the student's introduction to medicine and introduces the special techniques of examination used in pediatrics. It consists of two hours of didactic instruction and nine hours of ward work with patients.

## THIRD YEAR

### COURSE II—PRINCIPLES OF PEDIATRICS—24 HOURS

This course consists of twenty-four lectures covering growth and development of the normal child, principles of nutrition and infant feeding, and the diseases of children.

**COURSE III—CLINICAL CLERKSHIP—122 HOURS**

In this course the student is for six weeks a full-time clerk on the wards of the Children's Medical Center and Parkland Hospital Pediatric and Contagious Disease Wards and is assigned patients for complete work-up, including history, physical examination, appropriate laboratory examination and treatment where possible.

**COURSE IV—JUNIOR CLINICAL CONFERENCES—54 HOURS**

During the junior clerkship, clinical conferences are held nine times a week for all junior students assigned to pediatrics. These conferences comprise case presentations with detailed discussion of the disease entities involved or informal seminars on topics of importance in pediatrics.

**FOURTH YEAR****COURSE V—CLINICAL CLERKSHIP—200 HOURS**

In this course the student acts for six weeks as junior intern on the wards of the Children's Medical Center, in the Children's Dispensary of Freeman Memorial Clinic, and at Parkland Hospital. Daily informal conferences are held for discussion of pertinent pediatric subjects.

**COURSE VI—CLINICAL CONFERENCES ON SPECIALIZED SUBJECTS—21 HOURS**

During the period of clinical clerkship, a series of special conferences is held for discussion of the following subjects: tuberculosis, dietetics, genito-urinary tract disease, psychosomatic problems, and psychological appraisal of children. Visits to the cerebral palsy center, well-baby clinics, and to the premature and newborn nurseries at Parkland Hospital are part of the course.

**COURSE VII—DEVELOPMENTAL DIAGNOSIS, HOPE COTTAGE AND CERE-BRAL PALSY CENTER—12 HOURS**

This course provides instruction in the techniques of developmental diagnosis during infancy and early childhood.

**COURSE VIII—SENIOR CLINICAL CONFERENCES—30 HOURS**

A clinical conference is held four times weekly for all senior students assigned to pediatrics, in which interesting patients are presented and discussed by the students under the guidance of a full-time member of the staff. A weekly conference covering outpatient problems is conducted by a member of the clinical faculty. The student may spend part or all of his unscheduled time in any of the clinical institutions associated with the Department of Pediatrics or in special investigative work pertaining to pediatrics. Details may be arranged by consultation with members of the staff.



## PHARMACOLOGY

*Chairman*, Professor Goth; Assistant Professors Blackmore, Holman, Slomka; Instructors Erwin, Sharples

### SECOND YEAR

#### COURSE I—216 HOURS

The major purpose of the instruction in pharmacology is to prepare the student for the clinical study of therapeutics by providing him with a knowledge of the manner in which drugs modify functional activity in the organism. After a brief survey of the general principles of pharmacology, the chief work of the course is concerned with experimental pharmacodynamics. Lectures and conferences on pharmacological and toxicological properties of drugs are closely correlated with laboratory work. Available preparation forms and posology of drugs are studied as the various types of medicinal agents are considered. Prescription writing exercises are given.

### THIRD AND FOURTH YEARS

#### COURSE II

Research in pharmacology and experimental therapeutics is offered to a limited number of students who are encouraged to participate in research projects supervised by members of the department.

## PHYSIOLOGY

*Chairman*, Professor Lackey; Associate Professor Vanatta; Instructors Danhof, Hataway, Porter

### FIRST YEAR

COURSE I—See description of course NEUROANATOMY AND NEUROPHYSIOLOGY under section on ANATOMY

#### COURSE II—305 HOURS

The course begins with instruction in the use of standard physiological laboratory apparatus and a consideration of the physiology of skeletal muscle. This is followed by a more comprehensive study of the physiology of blood, circulation, respiration, digestion, metabolism, excretion, special senses, and the glands of internal secretion. Emphasis is placed on the practical aspects of human physiology and, in the laboratory, experiments on human subjects are generously

supplemented by experiments on other mammals as well as on lower animals. Close correlation is maintained between laboratory studies and the subject matter on lectures. Much use is made of group conferences, and library projects are routinely assigned. The general purpose of the course is not only to give the student a knowledge of normal physiologic function but to help him acquire the ability to analyze physiologic problems such as may be encountered in disease.

## THIRD AND FOURTH YEARS

### COURSE III—RESEARCH IN PHYSIOLOGY

This course is open to a limited number of students who are qualified to undertake supervised investigation.

## PSYCHIATRY

*Acting Chairman*, Associate Professor McCranie; Emeritus Professor Witt; Professor Weisz; Associate Professors Schwenkenberg, Talkington; Assistant Professors Aten, Bloss, Burkett, Burns, Ford, Harrington, Hoekstra, Knapp, Levin, May, Miller, Montgomery, Niblo, Ossenfort, Pence, Pescor, Richmond, Shelton, Webb, Winn; Instructors Behan, Burruss, Crasilneck, Frank, Hubbard, Moulton, Peden, Powell, Raible, Smith, Speegle; Assistants Himmelstein, Toland; Fellows Bell, Buel

## FIRST YEAR

### COURSE I—INTRODUCTION TO DYNAMIC PSYCHIATRY—48 HOURS

The purpose of this course is to present the fundamental knowledge upon which modern dynamic psychiatry rests. An attempt is made to give the student an appreciation of the reality of the emotional forces in the human personality, their sources in the biology of the organism and something of their relationship to its physiological functioning. It also attempts to present modern concepts of personality structure and development, particularly the interplay of major emotional forces in the personality. The method of teaching is through case presentations, movies, lectures, and small group discussions.

## SECOND YEAR

### COURSE II—ELEMENTARY PSYCHIATRY—48 HOURS

This course is concerned with the genesis and dynamics of behavior disorders. It includes the emotional forces in the development of these disorders, the ways the ego handles the conflicts and anxiety arising therefrom, and other symptoms of mental illness. The second part of the course is more directly concerned with preparation for the clinical clerkship. It includes a series of lectures on the



principal psychiatric syndromes, an introduction to the principle and art of interviewing and history taking and something about the approach to the psychiatric patient. Although lectures, movies, and case presentations are used, the principal teaching method is small group discussions.

### THIRD YEAR

#### COURSE III—CLINICAL CLERKSHIP IN PSYCHIATRY—133 HOURS

During the third year the students are assigned to the Psychiatric Service at Parkland Hospital for one month. They are assigned patients from a closed ward, from the psychiatric clinic, and selected cases from other areas of the Medical Center. They do a comprehensive case study on an average of about five patients during the month. The teaching method is by staff conferences, ward rounds, and small group supervisory conferences.

### SURGERY

*Chairman*, Professor B. Wilson; Professors Carter, D'Errico, Goode, Hudson, Mills, North, Selecman, Shaw; Associate Professors Duckett, Fogelman, Kleinsasser Pickett, Small, Woods; Assistant Professors Aronoff, Austin, Bradfield, Bussey, Carswell, Dunlap, Galt, Gill, Harrison, Hays, Kidd, Montgomery, C. Nash, Patterson, Paulson, Shannon, Sparkman, Stirman, Taylor, Warren, Weary, Woolf; Instructors Altman, Ashe, Boland, Bookatz, Chamberlain, Cheek, Cherry, Cole, Davis, Dorman, Evans, Fuqua, Garner, Johnson, Kern, Kipp, Kregel, Lumpkin, McNeill, Morris, T. Nash, Sellman, Siebel, Tobolowsky, Weiner, Welch, C. Wilson; Fellows Brown, Jernigan, Kethley, Kottakis

### *Anesthesiology*

*Chairman*, Professor M. Jenkins; Professors Alexander, Weir; Assistant Professors Davidson, Lamberth, Wood; Instructors Berson, Bush, Mullikin, G. Nash, Simner

### *Ophthalmology*

*Chairman*, Associate Professor Browning; Professors Cox, Quinn; Associate Professors S. Jenkins, Newton, Thomas; Assistant Professors Block, Brannin, Daniel, Grafton, Hoefer, Lancaster,

Marchman, Maxwell; Instructors Brunside, Chi, Gostin, Harrington, Knowles, McCrory, Meisenbach, Richter; Assistant Campell, Lippas

### *Orthopedic Surgery*

*Chairman*, Professor Girard; Associate Professors McGuire, Williams; Assistant Professors Anderson, Barnes, Beckering, Butte, Bywaters, Carrell, Franklin, Hodges, Jackson, Knight, Watkins; Instructors Aldredge, Andreassian, Branch, Bryant, Driggs, Goodfried, Graham, Halley, Henry, Herrick, James, Legg, Loiselle, Mattson, Payne, Richardson, Ware; Assistant Lankford, Sigler

### *Otolaryngology*

*Chairman*, Professor Singleton; Emeritus Professor Marchman; Consultant Jones; Professor Sellers; Associate Professor Winborn; Assistant Professors Barr, J. Jenkins; Instructors Adin, Baldwin, Corgill, Darrough, Furchgott, Morris, Newell, Ritchey, Stayer, Tarrer, Waldman

### *Proctology*

*Chairman*, Professor Rosser; Associate Professors Baldwin, Kerr, Smith; Assistant Professor Rowe; Instructor Carter

### *Radiology*

*Chairman*, Professor C. Martin; Associate Professors Clayton, Miller; Assistant Professors Burford, Duff, Lovell, J. Martin, Sazama, J. Wilson; Instructor Lockwood

### *Urology*

*Chairman*, Professor Spence; Professor Alexander; Associate Professors King, O'Brien, Pace, Vermooten, White, Williams; Assistant Professors Baird, P. Duff, Mitchell, Mooney, Shane, Smith; Instructors Bush, Fromm, Fuqua, Reisman; Assistant Ware



## *General Surgery*

### FOURTH YEAR

#### COURSE I—CLERKSHIPS AND LECTURES—18 WEEKS

Fourth-year surgery consists of clinical clerkships on the wards of Parkland, Baylor, Methodist, and the McKinney and Dallas Veterans Administration Hospitals. The student is afforded an opportunity to participate actively in the diagnosis and therapy of patients suffering from both acute and chronic surgical diseases. Correlative instruction is offered in surgical pathology and anatomy and surgical physiology. The clerkship is interwoven with teaching ward rounds, clinical conferences, symposia, and lectures on all aspects of surgery and its specialties.

The student attends the proctology clinic and has opportunity to assist in the diagnosis and therapy of proctologic diseases.

#### COURSE II—OUTPATIENT CLINICS—6 WEEKS

The student also attends the outpatient clinic as a separate clerkship and has an opportunity to assist in the diagnosis and therapy of surgical illness in ambulatory patients.

## *Anesthesiology*

### FOURTH YEAR

#### COURSE III—CLERKSHIPS, LECTURES AND DEMONSTRATIONS— 15 HOURS

The clerkship is shared with general surgery during the senior year and consists of nine lecture periods and assignments in the operating room. Practical demonstration and instruction are given in the management of anesthesia, in laryngoscopy, tracheal intubation, oxygen therapy, and in treatment of respiratory problems of various disease states such as poliomyelitis, tetanus, and barbiturate poisoning.

## *Ophthalmology*

### THIRD YEAR

#### CORRELATIVE OPHTHALMOSCOPY—12 HOURS

Opportunity for correlative ophthalmoscopy is offered as an elective study during the medical clerkship.

## FOURTH YEAR

### COURSE IV—CLERKSHIPS AND LECTURES—2 WEEKS

Students attend the eye clinic in small groups. The student is afforded an opportunity to gain anamnesic, diagnostic, and therapeutic knowledge concerning the diseases of the eye. The student attends operative clinics for major surgery of the eye as well as special ophthalmology clinics for glaucoma, corneal diseases, ocular beta irradiation therapy, and ocular muscle abnormalities.

## *Orthopedic Surgery*

## FOURTH YEAR

### COURSE V—CLERKSHIPS AND LECTURES—4 WEEKS

The student attends the ward and clinic patients suffering from a wide variety of traumatic, metabolic, infectious, and neoplastic diseases of bone. He takes an active part in the treatment of various fractures. Correlative lectures and teaching ward rounds are conducted during the clerkship period.

## *Otolaryngology*

## FOURTH YEAR

### COURSE VI—CLERKSHIPS AND LECTURES—2 WEEKS

Students attend morning instruction clinics in diseases of the ear, nose and throat.

The clinical clerkship in ophthalmology and otolaryngology is combined with a comprehensive lecture and conference program in these subjects. Didactic presentations and practical demonstrations covering important diseases of the eye, ear, nose, and throat are offered as integral portion of the teaching program.

## *Radiology*

Correlation of the many phases of radiology and the relationship to the other branches of medicine is presented by organized lectures, by special conferences, and by group teaching. Members of the department take an active part in the clinical pathological conference and appear with teachers from the other departments in clinics and demonstrations.



## THIRD YEAR

## COURSE VII—DIAGNOSTIC RADIOLOGY LECTURES—24 HOURS

A systematic study of normal and abnormal anatomy which is demonstrable by radiographic methods is presented to the entire class. Detailed consideration is given to the more frequent physiologic and metabolic defects, anomalies, infections, trauma and neoplasms commonly detected roentgenologically.

## FOURTH YEAR

COURSE VIII—PRINCIPLES OF RADIOGRAPHIC INTERPRETATION—  
6 HOURS

This course is offered to students while attending a surgical clerkship. The principle of radiographic interpretation as applied to the diagnosis of diverse clinical conditions is outlined.

## COURSE IX—TUMOR CONFERENCE—30 HOURS

This course consists of lectures or demonstrations and panel discussions covering the many phases of the diagnosis and proper therapy of malignant diseases. Members of several departments participate in the weekly presentations so that each phase of the subject is approached from the point of view of the pathologist, surgeon, radio-therapist and other specialties when applicable. Clinical material is presented when appropriate.

## COURSE X—TUMOR CLINIC—24 HOURS

This clinic is given for two hours one afternoon each week and is attended by the student during his three months clinical clerkship. Clinical demonstrations and discussions of tumor diagnosis and therapy are conducted by active members of the tumor board of Parkland Hospital.

*Urology*

## FOURTH YEAR

## COURSE XI—CLERKSHIPS AND LECTURES—2 WEEKS

The student attends the inpatients and outpatients of the urological services. Opportunity is afforded to perform certain office urologic procedures. The student assists in diagnosing and treating patients suffering from urological diseases. Conferences and lectures are held during the clerkship. Radiologic interpretation of urologic diseases is taught in the conferences and by case study.

## MEDICAL ART

*Chairman*, Professor Waters; *Associate Professor* Sanders; *Assistant Professors* O'Neill, Sage

The Department of Medical Art serves both as a production center for the visual teaching material of the school and as a teaching department for a limited number of students in medical art. The various types of illustrative work needed by both preclinical and clinical faculties for publication and research, as well as teaching, are executed in this department. Such material includes drawings in many techniques, numerous photographs, photomicrographs, lantern slides, retinal photographs, and motion pictures. The designing and production of medical exhibits and displays is an integral part of the work accomplished in the Department.

Students who are working toward the Master of Medical Art degree are given practical instruction in the solution of illustrative problems. They have the opportunity to observe professional art work in progress, to develop original ideas of their own from this observation, and to correlate the information acquired in their medical courses with its most effective visual interpretation. The ideals always stressed are sound scientific approach and clarity of presentation, with esthetic appeal being often a corollary of these basic factors.

### FIRST YEAR

#### HISTOLOGY—5 SEMESTER HOURS

A number of drawings of normal tissues are required in this course.

#### GROSS ANATOMY—8 SEMESTER HOURS

#### ANATOMICAL DRAWING—4 SEMESTER HOURS

This course consists of sketches from dissections on the cadaver.

#### DRAWING TECHNIQUES—7 SEMESTER HOURS

Techniques are taught from the standpoint of suitability for publication, exhibit work, and teaching. The student is given instruction in: (1) tone, dry brush process; (2) water-color painting; (3) line drawing in pen and ink. These techniques are used in various kinds of illustrating from the highly detailed



realistic drawing to the schematic presentation and chart. In this work, which is all carried out in the Art Department, the effective *planning* of medical illustrations, of prime importance in actual practice, is stressed. Introductory lectures are given on photoengraving processes and the correct preparation of illustrations for publication.

#### PHYSIOLOGY—7 SEMESTER HOURS

Several original diagrams or charts illustrating problems of physiological function are required.

#### INTRODUCTION TO SURGICAL DRAWING—3 SEMESTER HOURS

Principles of drawing surgical procedures are taught. From direct observation in the operating room and sketches made there, the student prepares completed drawings.

### SECOND YEAR

#### PATHOLOGY—8 SEMESTER HOURS

Several drawings clarifying the structure of diseased tissues or presenting schematic views of disease processes are required.

#### SECOND YEAR DRAWING TECHNIQUES—8 SEMESTER HOURS

Additional drawings are made of surgical procedures. Sketches are made at endoscopic clinics and completed in color in the Art Department. Instruction is continued in the various techniques and in any special work needed for use in the Master's Thesis.

#### PHOTOGRAPHIC CHEMISTRY AND PHOTOGRAPHIC OPTICS—3 SEMESTER HOURS

#### PHOTOGRAPHY AND PHOTOMICROGRAPHY—5 SEMESTER HOURS

This course also includes color photography and gives the student a thorough foundation in practical photographic procedure while stressing the uses of photography as applied to medicine. Careful craftsmanship by the individual worker is emphasized. Motion picture photography is included when relevant.

#### PLANNING AND PREPARATION OF EXHIBITS AND DISPLAYS—3 SEMESTER HOURS

Practical problems in exhibit illustrations and construction are executed by the student, including, when possible, assistance on actual exhibits done in the Department. An introduction to moulage is given.

#### MASTER'S THESIS—6 SEMESTER HOURS

### *Film Library*

The Department maintains a motion picture library of teaching films covering a variety of medical subjects. These are 16 mm., in sound and color, silent color, and a few black and white. More films will be added as they are approved for teaching and as they become available for purchase. The production of new teaching films is also a function of the Department.

### *Research in Audio-Visual Education*

Because of the increasing importance of the application of audio-visual means to medical education, the Department is constantly conducting research in additional types of art and photographic work. The improvement of equipment and the application of the newer sciences to this field in medicine is most desirable. We offer co-operation in research to medical art students who show special interest in particular phases of this work.



# DEGREES CONFERRED IN 1953

## DOCTOR OF MEDICINE

*June 1, 1953*

The hospital of internship follows the name of each graduate.

Allen, Francis Arnold, *St. Elizabeth, Covington, Ky.*  
Allman, Robert Moss, Jr., *Parkland, Dallas*  
Andrew, John Gray, *Bellevue, New York City, N.Y.*  
Ballew, Charles Harrison, *William Beaumont Army, El Paso*  
Barron, Stewart Sutherland, *Parkland, Dallas*  
Barton, Johnny Mac, *Pontiac General, Pontiac, Mich.*  
Beavers, William Robert, *Wayne County General, Eloise, Mich.*  
Bishop, Calvin Franklin, *Department of Anatomy, Southwestern Medical*  
Boehning, Harold Clark, *Army-Navy General, Hot Springs, Ark.*  
Bondy, Robert Clarence, Jr., *Parkland, Dallas*  
Boone, Carroll Leon, *Veterans Administration, Houston*  
Brunken, Robert Byrt, *Baylor University, Dallas*  
Budd, Robert George, *Parkland, Dallas*  
Burke, Leon Orville, *Mid-State Baptist, Nashville, Tenn.*  
Burross, Don Clifford, *Brooke Army, San Antonio*  
Carter, Norman Ward, *Parkland, Dallas*  
Chevis, Edward Gibbon, *Tampa Municipal, Tampa, Fla.*  
Christiansen, Philip Albert, *St. Louis City, St. Louis, Mo.*  
Cox, Robert Graham, *Shreveport Charity, Shreveport, La.*  
Crane, William Darrah, *Parkland, Dallas*  
Cristol, David A., *Massachusetts Memorial, Boston, Mass.*  
Dalkowitz, Marcus B., *Veterans Administration, Dallas*  
Davidson, Joseph William, Jr., *Veterans Administration, Dallas*  
Deets, Kenneth Harlan, *El Paso General, El Paso*  
Dennison, Robert Alfred, Jr., *William Beaumont Army, El Paso*  
Doss, George Weston, *Veterans Administration, Houston*  
Dunn, John Paul, *Robert B. Green Memorial, San Antonio*  
Ellis, Paul Roscoe, Jr., *Baylor University, Dallas*  
Etheridge, John Morgan, *Parkland, Dallas*  
Fabian, Harold Frank, *Thomas D. Dee Memorial, Ogden, Utah*  
Faykus, Max Henry, *Tampa Municipal, Tampa, Fla.*  
Gates, Joseph Winston, *Riverside County, Arlington, Calif.*  
Goldfarb, Irvin Joseph, *Veterans Administration, Dallas*  
Goldman, Winfrey W., Jr., *Parkland, Dallas*  
Greathouse, Claude Wade, Jr., *Parkland, Dallas*

- Griswold, James Arnold, *Brooke General Army, Fort Sam Houston*  
 Hennington, Rex Harold, *Riverside County, Arlington, Calif.*  
 Hernandez, Onesimo, *Parkland, Dallas*  
 Hinckley, Herbert McDonald, Jr., *Jefferson, Inc., Roanoke, Va.*  
 Holloway, Donald Calvin, *City of Detroit Receiving, Detroit, Mich.*  
 Holt, Norris Errol, *Veterans Administration, Houston*  
 Horner, Bernard Gentzen, *El Paso General, El Paso*  
 Huffman, Phyllis Jean, *Colorado General, Denver, Colo.*  
 Irvine, James, Jr., *Fort Worth City-County, Fort Worth*  
 Kahler, Edward Clayton, *Graduate of the U. of Penn., Philadelphia, Pa.*  
 Keele, Doman Kent, *The University of Minnesota, Minneapolis, Minn.*  
 Keller, John H. Jr., *Veterans Administration, Houston*  
 Kemper, Roy Frank, *Methodist, Dallas*  
 Kilgore, Bassett Blanton, *Philadelphia General, Philadelphia, Pa.*  
 Lampert, Morris Hyman, *North Carolina Memorial, Chapel Hill, N. C.*  
 Lanier, Ernest Wilson, *Veterans Administration, Houston*  
 McCauley, Henry Leake, Jr., *Los Angeles County, Los Angeles, Calif.*  
 McCord, Don Lewis, *University, Ann Arbor, Mich.*  
 McKee, France Austin, Jr., *St. Joseph's, Fort Worth*  
 McLarty, Ewing Sinks, Jr., *John Sealy, Galveston*  
 McRaney, Voss, *Good Samaritan, Lexington, Ky.*  
 Merritt, Ben C., Jr., *El Paso General, El Paso*  
 Morton, Edward Dwayne, *Thomas D. Dee Memorial, Ogden, Utah*  
 Oles, Charles Patrick, *Parkland, Dallas*  
 Orr, Marjorie Kathleen, *Colorado General, Denver, Colo.*  
 Owrey, Norman David, *Scott and White, Temple*  
 Pink, Edwin Gustave, *Veterans Administration, Dallas*  
 Pitman, Gerald Gene, *Veterans Administration, Houston*  
 Rainone, Frank Anthony, Jr., *Wayne County General, Eloise, Mich.*  
 Reed, George Alexander, *Robert B. Green Memorial, San Antonio*  
 Rhodes, Edward Lamar, *Methodist, Dallas*  
 Robinson, Dean Gardner, *Hillcrest Memorial, Tulsa, Okla.*  
 Rose, Patrick Franklin, *Massachusetts Memorial, Boston, Mass.*  
 Schlegel, Harold Fry, *Veterans Administration, Dallas*  
 Seaholm, J. Arthur, *Huron Road, Cleveland, Ohio*  
 Sears, William Franklin, *Methodist, Dallas*  
 Sellars, William Arnold, *Parkland, Dallas*  
 Shaw, George Walter, *Knoxville General, Knoxville, Tenn.*  
 Simmons, Belvin Arbie, *Letterman Army, San Francisco, Calif.*  
 Simon, Ralph Elbert, Jr., *Weld County Public, Greeley, Colo.*  
 Skinner, William Thomas, *St. Louis City, St. Louis, Mo.*  
 Smith, Marion Lawrence, *Riverside County, Arlington, Calif.*  
 Spence, Joseph West, Jr., *Parkland, Dallas*  
 Steph, Donal Wray, *Parkland, Dallas*  
 Stevenson, Stanley Lee, *Parkland, Dallas*  
 Stewart, Allen Thurman, Jr., *St. Paul, Dallas*  
 Story, Frederick Lee, Jr., *Parkland, Dallas*  
 Tandy, Charles C., *Parkland, Dallas*



Thomas, William Ralph, *St. Louis City, St. Louis, Mo.*  
Tout, Robert Calvin, *Good Samaritan, Lexington, Ky.*  
Usrey, David Charles, *Baylor University, Dallas*  
Van Cleave, Charles Edward, Jr., *Parkland, Dallas*  
Vilaro Grau, Juan R., *Arecibo District, Arecibo, Puerto Rico*  
Wakefield, Robert Sylvester, *Riverside County, Arlington, Calif.*  
Walkup, Thomas Edward, *City, Akron, Ohio*  
Watermann, C. Eugene, *Parkland, Dallas*  
Wilder, Felix Francis, *Veterans Administration, Dallas*  
Williams, Billie Jean, *Veterans Administration, McKinney*  
Williams, Glenn Roy, *El Paso General, El Paso*  
Williams, Marion Jack, *Parkland, Dallas*  
Wilson, Anthony, *Veterans Administration, Houston*  
Winslow, Grover Cleveland, Jr., *Parkland, Dallas*  
Yarbrough, Ocie Carl, *Parkland, Dallas*

## MASTER OF MEDICAL ART

Young, Aileen

## REGISTER OF STUDENTS IN RESIDENCE, 1953-1954

The number in parenthesis following name designates the rank of a regular student with "1" representing freshman, "2", sophomore, "3", junior, and "4", senior; capital "S" represents a special student and capital "G" represents a graduate student: "A 1" represents Medical Art Freshman.

- John Truett Adams (2) *Wichita Falls; B.A., Baylor, 1951*  
Carolyn Marie Adlof (3) *Three Rivers; B.A., Texas, 1951*  
Jack Wallace Akin (2) *Baytown; B.A., Texas, 1951*  
James Edward Albright (3) *New Braunfels; B.S., St. Edward's, 1951*  
Sam Thomas Allen (3) *Lamesa; B.S., Northwestern, 1951*  
Robert Bryan Allison (1) *Dallas; B.S., in Phar., Texas, 1953*  
Barbara Anderson (A1) *Texarkana*  
Richard Keys Archer (2) *Amarillo; B.A., Texas, 1954*  
Basil Eric Atkinson (2) *Lufkin; B.A., Stephen F. Austin State, 1952*  
Charles Lincoln Austin, Jr. (1) *McAllen; B.A., North Texas State, 1953*  
Eldridge Franklin Avera (2) *Dallas*  
Bryant Orland Baker, Jr. (3) *Dallas; B.A., North Texas State, 1952*  
Ray Don Baker (3) *Amarillo; B.A., Texas Technological, 1951*  
Marion Charles Ludy Baldwin (3) *Abilene; B.S., Clemson Agricultural, 1939*  
John Whitmill Barnes (1) *Fort Worth*  
Jack Alvis Barnett (2) *Bovina; B.S., West Texas State, 1948*  
Clyde Donaldson Bartlett, Jr. (1) *Wichita Falls*  
Charles Rufus Baxter (4) *Paris; B.A., Texas, 1951*  
Jay Mortimer Beck (2) *Dallas*  
Bruce Gordon Beene (1) *Hereford; B.S., West Texas State, 1949*  
Abbas Meshkat Behbehani (G), *Teheran, Iran; A.B., Indiana, 1949, M.S., Chicago, 1951*  
Gerald Albert Belkin (3) *Houston; A.B., California, 1951*  
Charles Douglas Bell (2) *Dallas; B.A., Texas, 1953*  
Ernest Rubin Bernhard (2) *Fredericksburg; B.S., Texas Lutheran, 1952*  
Julia Margaret Beville (1) *Clarksville*  
Lawrence Aloysius Beyer (1) *Irving; B.A., Baylor, 1949*  
Travis Lester Blackwell (1) *Dallas; B.A., Mississippi Southern, 1951*  
Stanley Marvin Blaugrund (3) *El Paso; B.A., Texas Western, 1951*  
Brent Garland Blonkvist (4) *Pampa; B.A., Texas Technological, 1950*  
Mary Alice Bone (3) *Jacksonville; B.S., Trinity, 1951*  
Hal Buckner Boone (2) *Dallas; B.A., Baylor, 1948*  
Don Wayne Boston (3) *Dallas*  
Robert Graves Bowers, Jr. (1) *Dallas*  
Buck William Boynton (4) *Houston; B.A., Texas, 1950*



- Donald English Brandon (2) *Dallas; B.A., Denver, 1952*  
 Chadwick Grazier Brown (4) *Tyler; B.A., Texas, 1950*  
 Robert Boucher Brownell (1) *Amarillo; B.S., Texas Technological, 1952*  
 Jesse Oldham Bryant (1) *Fort Worth; B.A., Texas Christian, 1953*  
 Norris Dean Buchmeyer (1) *Overton*  
 Eugene Robert Bumpass (1) *Merkel*  
 Billy Don Burk (2) *Snyder; B.A., McMurry, 1951*  
 Archie Herman Burkhalter (4) *Pasadena; A.B., Duke, 1948*  
 Kelly Paul Burkhart (2) *Corsicana; B.S., Southwestern, 1952*  
 Robert Richard Burns (2) *Dallas*  
 William Wesley Burr, Jr. (S2) *Dallas; A.B., Nebraska, 1947; M.S., Illinois, 1948; Ph.D., 1951*  
 Robert Humphrey Bushey (1) *Fort Worth; B.S., Virginia Polytechnic, 1943*  
 Theodore Waggoner Bywaters, Jr. (1) *Dallas; B.A., Colorado, 1953*  
 James Robert Cade (4) *San Antonio*  
 Charles Raymond Cain (2) *Hallsville*  
 Charles Reasor Cain (1) *Roxton; B.A., Baylor, 1953*  
 Charles Franklin Campbell (2) *Dallas; B.S., Miami, 1949*  
 Donovan Campbell (4) *Dallas; B.A., Texas, 1947; M.A., 1950*  
 Clyde Milton Caperton (3) *Marlin*  
 Peter Joseph Carter (4) *Fort Worth; B.A., Louisiana State, 1949*  
 Ramiro Raul Casso (2) *McAllen; B.S. in M.E., Baylor, 1943; B.A., 1952*  
 Bill Drew Chalmers (1) *Waxahachie*  
 J. W. Chatwell (4) *Sudan; B.A., Texas Technological, 1950*  
 Catherine Payne Chester (3) *Dallas; B.A., Texas, 1951*  
 John Buist Chester (1) *Dallas; B.A., Austin, 1952*  
 James Howell Clements (4) *Hamlin*  
 Robert Leon Cohn (4) *Fort Worth; B.S., Texas Wesleyan, 1949*  
 James Raymond Cole (1) *Muenster*  
 Beryl Robert Comer (2) *Longview*  
 Loyd Wilson Conyers (3) *Dallas; B.S., North Texas State, 1941; M.S., 1947*  
 James Thomas Cook (2) *Tyler; B.A., North Texas State, 1952*  
 Harold N. Cooper (4) *San Antonio; B.S., Trinity, 1951*  
 Jack Crawford Cooper (4) *Dallas; B.A., Rice, 1950*  
 Paul A. Corbet, Jr. (3) *Miller Grove*  
 Mary Lucretia Cothran (1) *Fort Worth; B.A., Texas Christian, 1953*  
 Kenneth Edward Cottle (2) *Brady*  
 Frank Clifton Council, Jr. (4) *Grand Prairie*  
 Charles Andrew Crenshaw (1) *Paris; B.S., Southern Methodist, 1953*  
 Janie Shivers Crocker (1) *Denton; B.A., North Texas State, 1952*  
 Joe David Crossno (4) *Sterling City; B.S., Abilene Christian, 1950*  
 Ivan Ebert Cushing, Jr. (4) *Fort Worth; B.S., Texas Christian, 1941; M.S., 1948*  
 James Murl Dabbs (4) *Shannon, Miss.; B.S., in Med., Mississippi 1952*  
 Ivan Edward Danhof (1) *Grand Prairie; B.A., North Texas State, 1947; M.A., 1949; Ph.D., Illinois, 1953*  
 Jewel Simpson Daughety (3) *Linden; B.A., North Texas State, 1951*  
 George Albert Dawson (2) *Georgetown*  
 Ancie Fred Day, Jr. (3) *Robstown*

- Garland Ray Dean (1) *Amarillo*  
 Doyce B. Dees, Jr. (4) *Fort Worth; B.S., East Texas State, 1950*  
 Tom Moore Dees (2) *Dallas; B.A., Johns Hopkins, 1952*  
 Billy Wood De Shazo (2) *Dallas; B.S., Southern Methodist, 1952*  
 George Thomas De Vaney (1) *Lake Creek; B.A., North Texas State, 1951*  
 Harold Thompson Dillon, Jr. (1) *Dallas; B.S., United States Military Academy, 1946*  
 Stewart Monroe Dobbins (1) *Roscoe; D.V.M., Texas Agricultural and Mechanical, 1950*  
 Maria Nieves Donada (1) *Corpus Christi; B.A., Texas, 1953*  
 Rita Louisa Don (4) *El Paso; B.A., Texas College of Mines and Metallurgy, 1942*  
 Mildred Claire Dugan (3) *Fort Worth; B.A., Texas Christian, 1951*  
 Walter Rienzi Dunkelberg (4) *Fort Worth; B.S., North Texas State, 1946*  
 Marvin Richard Dunn (3) *Abilene; B.A., Hardin-Simmons, 1951*  
 Nelson Hart Dyess (3) *Vernon; B.A., Hardin-Simmons, 1951*  
 Kaoru Dyo (4) *El Paso*  
 John Allen Ehrhardt (2) *Dallas*  
 James Wilson Ehrlich (4) *Austin; B.A., Texas, 1950*  
 John Edward Eisenlohr (4) *Dallas; B.A., Rice, 1950*  
 John Stanley Elliott (4) *La Tuna*  
 Ernest Arnold Elmendorf (3) *San Antonio; B.S., Texas Agricultural and Mechanical, 1953*  
 Dwight Sherwood Ewing (2) *Corpus Christi*  
 Richard George Fadal (3) *Waco; B.S., Baylor, 1952*  
 William Herbert Fagan (1) *Houston; B.A., Rice, 1952*  
 Jesse Randel Fain (4) *Dallas; B.S., Abilene Christian, 1949*  
 Thomas Henry Fender (3) *Amarillo; B.A., Baylor, 1951*  
 John Lynn Ferguson (1) *Dallas; B.S., Southern Methodist, 1953*  
 Jack Lavyrl Field (1) *Fort Worth; B.A., Texas Christian, 1953*  
 James Allen Fisher (4) *Dallas*  
 Joseph Newton Fisher (3) *Dallas; B.A., Texas, 1952*  
 Daniel Willett Foster (3) *El Paso; B.A., Texas Western, 1951*  
 Fred Memnon Foster (3) *Dallas*  
 Donald Harrison Fowler (1) *Killeen*  
 James D. Foy (3) *Uvalde; B.S., Baylor, 1951*  
 Charles Herschel Fuller (3) *Longview; B.S., Texas Agricultural and Mechanical, 1951*  
 David Story Fuller (3) *Abilene; B.A., Hardin-Simmons, 1951*  
 Joanne Fulton (3) *Notrees; B.S., Eastern New Mexico, 1951*  
 Glen Eugene Furr (2) *El Paso; B.A., Texas Western, 1952*  
 Gordon Mayfield Gafford (2) *Electra; B.A., Southern Methodist, 1949*  
 George Victor Garcia (1) *Laredo; B.A., Baylor, 1952*  
 Donald Clinton Garrett (1) *Abilene; B.S., Abilene Christian, 1949*  
 Richard Earl Garrett (1) *Abilene; B.S., Abilene Christian, 1949*  
 Billy Bob Gee (2) *Oceola*  
 James Wesley Geisler (3) *Corinth, Mississippi; B.S., Mississippi, 1953*  
 Raymond Robert Gibbons (3) *Dallas; B.A., Southern Methodist, 1951*



- Charles Willis Gillespie (1) *Houston; B.A., Houston, 1949*  
Richard Clyde Gilmore, Jr. (3) *Dallas; B.S., Utah State College, 1946; M.S., Utah, 1948; Ph.D., 1949*  
Theodore James Glenn (3) *Alto; B.S., Sam Houston State, 1950*  
Thomas Lane Glenn (3) *Rockwall; B.S., East Texas State, 1951*  
Jack Foy Glover, Jr. (1) *Dallas; B.A., North Texas State, 1953*  
William Aubrey Godfrey, Jr. (3) *Dallas; B.S., Baylor, 1952*  
Chester Gene Golightly (3) *McLean; B.A., Texas Technological, 1951*  
William Paige Gollihar (4) *Spur*  
Frank Gomez (3) *Irving*  
James Aubrey Gorman, Jr. (4) *San Antonio; B.S., Trinity, 1950*  
Edward Gottheil (3) *Houston; B.A., Queen's, Canada, 1946; M.A., McGill, Canada, 1948; Ph.D., Texas, 1951*  
John Lysius Gough (2) *Temple*  
Jack Allen Gray (2) *Arlington*  
Willie Joe Green (4) *Lufkin; B.S., Stephen F. Austin State, 1950*  
Maurice Shirley Green (1) *Dallas; B.S., Southern Methodist, 1950*  
William Thornton Green (1) *Muleshoe*  
Carroll Dean Gregory (2) *Dimmitt; B.S., Abilene Christian, 1952*  
John Edward Griffin (2) *Abilene; B.S., in Phar., Texas, 1948*  
Ernest Clay Griffith (S2) *Sherman; B.S., Tulane, 1949*  
Edward Mathias Grube (A2) *Dallas; B.A., Southern Methodist, 1953*  
Lauro Genaro Guerra (4) *Mission; B.A., Texas, 1949*  
Santiago Fernandez Guevara, Jr. (2) *El Paso; B.A., Texas Western, 1952*  
John Bridge Gunn (4) *Columbus; B.S., Stephen F. Austin State, 1951*  
Andrew Dunn Gwynne III (4) *Dallas; B.S., Southern Methodist, 1950*  
Robert Lee Hampton (1) *Dallas; B.S., Southern Methodist, 1953*  
Robert Joseph Harding (3) *Fort Worth; B.S., Texas Christian, 1953*  
Harold Lewis Harle (4) *Harlingen*  
Raymond Paul Harle (2) *San Antonio; B.S., B.A., St. Mary's, 1949*  
Andrew Jackson Harrell (4) *San Antonio; B.A., Baylor, 1950*  
Howell Petrey Harris (1) *Austin; B.A., Southern Methodist, 1950; M.A., 1952*  
Oscar Terrell Harris, Jr. (4) *Garland*  
Frank Harrison (S3) *Dallas; B.S., Southern Methodist, 1935; M.S., Northwestern, 1936; Ph.D., 1938*  
Robert Joe Harrison (3) *Dimmitt; B.A., McMurry, 1951*  
Rudolph John Harris (2) *Houston; B.S., Houston, 1950*  
Thomas William Harris (2) *Henderson; B.A., Texas, 1954*  
David Crittenden Haseltine (4) *Dallas; B.A., Southern Methodist, 1950*  
Thomas Marvin Haslund (4) *Freeport; B.A., Rice, 1950*  
Garth Spilsbury Hatch (4) *El Paso; B.A., Texas Western, 1950*  
Clinton Russell Hathaway, Jr. (4) *Texarkana*  
Johnnie Wayne Hays (2) *Ballinger; B.S., McMurry, 1952*  
Clyde Douglas Henderson, Jr. (3) *Honey Grove; B.S., Texas Agricultural and Mechanical, 1953*  
Allen James Henke (1) *Dallas*  
Raymond Lee Henry (3) *Kingsville; B.S., Texas College of Arts and Industries, 1951*

- Fletcher Hester (4) *Brownfield; B.A., Hardin-Simmons, 1948*  
 John Frederick Hickman (1) *Dallas; B.S., Southern Methodist, 1953*  
 Eddie Prece Hill (2) *Canyon; B.A., McMurry, 1952*  
 James Richard Hill (4) *Fort Worth; B.A., Texas Christian, 1950*  
 Joe Bob Hilliard (4) *Grand Saline; B.S., Texas Agricultural and Mechanical, 1949*  
 James Michael Hilz (2) *Pilot Point*  
 Jerry Herbert Hinnant (1) *Dallas*  
 Lucien Redding Hodges (4) *Wesson, Mississippi; B.S., Mississippi, 1949*  
 Paeder Joel Hoovestol (4) *Houston; B.A., Baylor, 1948; M.A., Houston, 1950*  
 Joe Jack Horn (4) *Wellington; B.A., Texas, 1950*  
 Rheta Joann Horton (3) *Odessa; B.S., Baylor, 1952*  
 Travers Eugene Hough, Jr. (2) *Harlingen*  
 Edward Franklin Houser (1) *Big Spring; B.S., Texas Agricultural and Mechanical, 1953*  
 Clinton Hugh Howard (A2) *Houston; B.A., Rice, 1950*  
 William Emmett Hughes (3) *Fort Worth; B.S., Texas Christian, 1953*  
 George Frederick Humbert, Jr. (1) *El Paso*  
 George Ellison Hurt, Jr. (1) *Dallas*  
 Jack Kenneth Jeanes (G) *Dallas; B.S., North Texas State, 1947; M.S., 1948*  
 Johnnie Jeff Jerome (2) *Dallas*  
 Samuel Lowell Johnson (2) *San Angelo; B.S., Abilene Christian, 1949*  
 Louis Coleman Johnston (2) *Waxahachie; B.A., Baylor, 1952*  
 John Paul Jones, Jr. (1) *Levelland*  
 John William Jones (2) *Dallas; B.S., Oklahoma Agricultural and Mechanical, 1950*  
 Lawrence Richard Jones (3) *Dallas; B.A., Southern Methodist, 1949; M.S., 1950*  
 Jack Jordan (4) *Dallas; B.B.A., Texas Technological, 1941*  
 Philip Juarez (A1) *San Antonio; B.S., Texas Agricultural and Mechanical, 1951*  
 Norman Mayer Kaplan (4) *Dallas; B.S., in Phar., Texas, 1950*  
 Norma Lou Kearby (3) *Dallas*  
 Michael Joseph Keglövits (4) *Dallas*  
 John Franklin Kelly (3) *Dallas*  
 William Wendell Kempe (4) *Dallas; B.S., Abilene Christian, 1950*  
 Mary Louise Killingsworth (2) *Dallas; B.S., in Phar., Texas, 1947*  
 William James Kilman (3) *Fort Worth; B.S., Texas Christian, 1952*  
 Larry Rex Kimsey (4) *Dallas; B.S., North Texas State, 1951*  
 Mary Kathleen Kincaid (A1) *Abilene*  
 Virgil Munal King (3) *Dallas*  
 Vernon Victor Kirby, Jr., (1) *McKinney*  
 Rudolf Kirschner (2) *Houston; B.A., Houston, 1950; M.A., 1951*  
 Isaac Kleinman (3) *Dallas; B.A., Texas, 1949; M.A., 1951*  
 William Roy Knowles (4) *Gilmer*  
 Sidney Wayne Kowierschke (1) *Castell; B.S. Texas Lutheran, 1951*  
 James Gordon Krestensen (3) *Vicksburg, Mississippi; B.S., Millsaps, 1948; M.S., Mississippi, 1949*  
 Malcolm Clayton Lancaster (2) *Amarillo*  
 Welborn James Langley (1) *Westbrook; B.A., Baylor, 1953*



- William Hubert La Prade (4) *Fort Worth; A.B., Southern Methodist, 1950*  
Wraymon Randle Lawley (2) *Fort Worth; B.A., Texas Christian, 1952*  
Royce Laycock (4) *McLean; B.A., Texas Technological, 1950*  
David Frederick Lee (3) *Fort Worth; B.A., Texas Christian, 1951*  
Dorothy Lee (2) *Dallas*  
Robert Joe Lee (3) *Fort Worth; B.S., Texas Agricultural and Mechanical, 1953*  
Lewis B. Lefkowitz, Jr. (2) *Dallas; B.A., Denison, 1951*  
Irwin Lehman (3) *Tahoka*  
Luis Leib (1) *El Paso; B.A., Texas, 1953*  
Sonley Robert LeMay, Jr. (1) *Crockett; B.A., Southern Methodist, 1953*  
Warren Robert Lesch (3) *Dallas; B.S., Monmouth, 1950*  
Michael Frank Lettieri (2) *Dallas; B.A., Southern Methodist, 1952*  
Milton Leventhal (1) *Dallas; B.S., Southern Methodist, 1953*  
Jene Hall Lindsey (2) *Wichita Falls; B.A., Baylor, 1952*  
Thomas Hendren Llewellyn (4) *Dallas*  
James Stewart Loftis (2) *Dallas*  
Neill Byron Longley (2) *Andrews; B.A., Texas Western, 1952*  
Peter Arnold Lommen (3) *Austin, Minnesota; B.A., St. Olaf, 1950; B.S., South Dakota, 1953*  
George Eugene Lowry (2) *Houston*  
Lincoln K. W. Luke (3) *Honolulu, T. H.; B.S., St. John's, Shanghai, (China), 1948*  
John David Lyon (1) *Dallas*  
Paul Cloeren MacDonald (3) *Dallas*  
Robert Neil Machen (2) *Gilmer*  
Charles Lee Mahaney (1) *Dallas; B.S., Southern Methodist, 1953*  
James Cooper Mann, Jr. (1) *Dallas; B.A., Southern Methodist, 1952*  
Gerald Lawayne Marable (4) *Dallas; B.A., Texas, 1950*  
Howard William Marker (1) *Tyler; B.A., Texas, 1953*  
Ben Blair Martin (1) *Dallas*  
Morton Freeman Mason (S2) *Dallas; B.S., Oregon State, 1925; Ph.D., Duke, 1934*  
Robert Earl Matejka (3) *Dallas; B.A., Hardin-Simmons, 1951*  
Paul Wooten Mathews, Jr. (4) *Dallas; B.A., Southern Methodist, 1950*  
Kenneth Gerhart Mathis (3) *Fort Worth; B.S., Texas Christian, 1952*  
James Robert Matthews (1) *Kaufman*  
Robert James McAmis (3) *Fort Worth*  
Morgan Hoy McCaleb (2) *Amarillo; B.A., West Texas State, 1952*  
Buster Eugene McCoy (4) *Dallas; B.S., Southern Methodist, 1950*  
William Wheeler McCue (1) *Amarillo; A.B., Westminster, 1953*  
DeWard DeWitt McDonald (3) *Burkburnett*  
Delmer Guinn McElroy (2) *Wichita Falls*  
Albert McGinnis (2) *Dallas; B.A., Southern Methodist, 1943*  
Francis Elliott McIntyre (1) *Dallas; A.B., Wabash, 1949*  
Richard McKee (1) *Fort Worth*  
John Jerome McKinsey (1) *Dallas; B.S., Southern Methodist, 1953*  
Robert Lee McLeroy (4) *Center; B.S., Southwest Texas State Teachers, 1950*  
James Kenneth McNatt (2) *Dallas; B.A., B.S. in Phar., Texas, 1948*

- James Cyril McPherson, Jr. (G) *Dallas; B.S., North Texas State, 1946*  
Wilton Bradley McSpadden (1) *Merkel; B.S., McMurry, 1947; M.E., Texas, 1950*  
David Mitchel Mebane (1) *Dallas; B.A., Baylor, 1953*  
Joe Edward Mikeska, Jr. (1) *Water Valley*  
Alan Newton Miller II (4) *Waco*  
John Bridges Miller (4) *El Paso; B.A., Texas, 1951*  
Robert Earl Miller (3) *O'Kreek, South Dakota; B.A., Grinnell, 1951*  
Johnny Eugene Milner (1) *Palestine*  
Joe Milton Mims (4) *Dallas; B.S., Southwestern, 1943*  
Jere Holloway Mitchell (4) *Longview; B.S., Virginia Military, 1950*  
Henry Brown Mobley (4) *Dallas; B.A., Texas, 1950*  
John Edgar Montgomery (4) *San Antonio*  
Donald Milner Moore (2) *El Paso; B.A., Texas Western, 1951*  
Henry Clay Moore, Jr. (1) *Baytown*  
Louis George Moore (4) *Midland*  
Bill Carroll Morgan (2) *Marshall; B.S., East Texas Baptist, 1950*  
Alfred Eugene Morris (4) *Laneville; B.A., North Texas State, 1950*  
Philip Raymond Morrow (4) *Sherman; B.A., Austin, 1950*  
Warren Thad Murley (2) *Bailey; B.A., East Texas State, 1952*  
Thomas Patrick Murphy, Jr., (4) *Dallas; B.S., Southern Methodist, 1952*  
Richard Newton Neiman (1) *San Antonio*  
Daniel Paul Newell (1) *Jacksonville; B.A., Stephen F. Austin State, 1953*  
Alex Noel Oates (1) *Midland*  
John William O'Banion (4) *Garland*  
Donald Leigh Oberlin (1) *Dallas; B.A., Denison, 1946; M.S., North Carolina, 1951*  
Earl Murphy Olmstead (1) *Perryton*  
William Mayo Ott (4) *Fort Worth; B.A., North Texas State, 1949*  
Henry Birkner Owens (4) *Austin; B.A., Texas, 1949*  
Leonard Cann Pack (1) *Huckaby; B.S., West Texas State, 1950; M.A., George Peabody, 1951*  
Dorothy Patras (2) *Fort Worth; B.S. in Med. Tech., Temple, 1941*  
James Mitchel Paule (2) *Dallas; B.S., Juilliard, 1952*  
Fred William Pauling (1) *McCamey*  
Frank Corry Payne, Jr. (4) *Breckenridge; B.A., Southern Methodist, 1950*  
Alexander James Pentikis (1) *Fort Worth; B.A., Southern Methodist, 1946*  
Malcolm Oliver Perry (3) *Dallas; B.A., Texas, 1951*  
Ray Worth Perryman (2) *Denton; B.A., North Texas State, 1952*  
Charles Russell Petty (3) *Williston, North Dakota; B.A., North Dakota, 1952; B.S., 1953*  
Judith Ann Pfefferle (A1) *Dallas; B.A., Southern Methodist, 1953*  
Harold Dean Phelps (4) *Madison, South Dakota; B.S., South Dakota, 1952*  
Robert J. Pierce (1) *Dallas; B.A., Southern Methodist, 1953*  
Robert Po (1) *El Paso; B.A., Texas Western, 1953*  
Vernon Thomas Polk (4) *San Augustine*  
Billy Frank Ponder (4) *Wichita Falls; B.S., Hardin, 1949*  
D. G. Porterfield (3) *Post; B.S., Texas Technological, 1951*



- Richard Meyers Portwood (4) *Dallas*  
Jay W. Powell (1) *Dallas; B.A., Baylor, 1952*  
Ace Gibson Powers (4) *Abilene; B.A., Hardin-Simmons, 1950*  
Charles Richard Queen (2) *Edinburg; B.A., Texas, 1950*  
Lee Roy Radford (2) *Marlin*  
Joseph Clay Randel (1) *Abilene; B.A., Hardin-Simmons, 1953*  
William Henry Ray (2) *Hebron*  
Roy Clifton Rayfield (4) *Tyler*  
Floyd Clinton Rector, Jr. (4) *Dallas; B.A., Texas Technological, 1950*  
Thomas Ambrose Regnier (3) *Dallas; B.A., Texas, 1952*  
John William Reeder, Jr. (4) *Amarillo; B.A., B.S. in Chem., Texas, 1949*  
Allen Francis Reid (S3) *Dallas; B. Chem., Minnesota, 1940; A.M., Columbia, 1942*  
Rolland Clinton Reynolds (2) *Dallas; B.A., Southern Methodist, 1951*  
John Charles Ribble (3) *Paris*  
James Clifton Richards II (2) *Lubbock*  
James Templeton Richmond (2) *San Antonio; B.S., Trinity, 1953*  
Albert Frederick Riedel, Jr. (2) *Fort Worth; B.A., Texas, 1950; M.A., 1952*  
Albert Dee Roberts (4) *Houston; B.S., Southern Methodist, 1952*  
Jack Lewis Ross (2) *Carthage*  
William Ferdinand Ross (4) *Mt. Enterprise*  
Emmett Morgan Royer (4) *Brownfield; B.S., Baylor, 1948; M.A., Texas, 1950*  
Augustin Martinez Ruiz (4) *El Paso*  
Richard Robert Russell (2) *Dallas*  
Robert Joe Salem (3) *Sudan; B.A., Texas Technological, 1950*  
Charles Addison Sanders (3) *Dallas*  
James Munroe Savage (4) *Fort Worth; B.A., Texas Christian, 1950*  
Doris June Scarborough (1) *Nacogdoches; B.S., Stephen F. Austin State, 1953*  
Jutta Vera Schlamm (2) *San Antonio; B.S., Trinity, 1953*  
Wendell Carroll Schorlemer (1) *Victoria; B.A., Texas, 1952*  
John Paul Schulze (3) *Cotulla; B.S., Southwestern, 1951*  
Aron Sol Seibel (2) *Galveston; B.S., Houston, 1952*  
Forrest Benjamin Selman (1) *Beaumont; B.A., Texas, 1953*  
Doyle Louis Sharp (2) *Texarkana; B.A., Texas Western, 1952*  
Valerie Agatha Sheehan (2) *Grapevine; B.S., Texas State College for Women, 1952*  
Robert Burnett Sheldon (4) *Beaumont; B.A., Texas, 1950*  
David Sikora (1) *San Antonio; B.A., Texas, 1947*  
Eulan Garrett Sills (3) *Evant; B.A., Texas, 1951*  
Jerry Lee Sims (1) *Sherman; B.A., Austin, 1953*  
Walter Lee Sisk, Jr. (2) *Saginaw; B.S., East Texas Baptist, 1950*  
Donald Lee Slaughter (1) *El Paso*  
James Allen Smidt (3) *Freeman, South Dakota; B.A., South Dakota, 1950*  
Edward Lee Smith (2) *Colorado City; B.S., Abilene Christian, 1952*  
Elsie Alice Smith (4) *Dallas; B.A., Texas, 1950*  
George Wilson Smith (3) *Dallas; B.A., Texas Agricultural and Mechanical, 1940*  
James Phillip Smith (3) *Fort Worth; B.A., Texas Christian, 1952*



- John Houston Smith (3) *Fort Worth*  
Freddie Lee Snipes (2) *Decatur*  
Joseph Somer (4) *Dallas; B.S., Southern Methodist, 1952*  
Lee Allen Sosebee (3) *Anson; B.S., Abilene Christian, 1952*  
Winnie Jo Sosebee (4) *Anson; B.S., Abilene Christian, 1950*  
Werner Emanuel Spier (3) *El Paso; B.A., Texas Western, 1952*  
Lenore Sponsler (3) *Harlingen; B.A., Baylor, 1951*  
Elbert Harvey Stanton (2) *Maud; B.S., Texas Western, 1952*  
Jerome Maurice Statman (3) *Dallas; B.S. in Biol., Texas, 1953*  
Roy Ben Stewart (4) *El Paso; B.A., Texas Western, 1948*  
John Franklin Stokes (1) *Killeen; B.A., Texas, 1953*  
Melmoth Young Stokes III (2) *Goldthwaite; B.A., Texas, 1951*  
Andries Menzo Strauss (2) *Corpus Christi*  
Mary Theresa Sullivan (1) *San Antonio; B.S., St. Mary's, 1949*  
William Claude Sutton (3) *Nocona; B.S., Baylor, 1952*  
Luther Swift III (1) *Nacogdoches; B.S., Stephen F. Austin State, 1952*  
Samuel Waddy Swindell (4) *Commerce; B.S., East Texas State Teachers, 1950*  
Arthur Nilon Tallant (3) *Denver City; B.A., Sul Ross, 1953*  
James Earl Tatum, Jr. (3) *Fort Worth; B.S., North Texas State, 1952*  
Douglas Wilson Taylor (4) *Austin*  
Daniel Bert Thomas (1) *Blossom; B.S. in Phar., Texas, 1950; B.A., 1952*  
Kay Thomas (1) *Dallas*  
Jack Robert Turbeville (1) *Fort Worth; B.A., Colorado, 1950; M.A., Texas, 1951*  
Russell Walter Van Norman (1) *Houston; B.S., Southwestern, 1953*  
Brice David Vanderpool (2) *Abilene; B.S., Abilene Christian, 1952*  
Richard Lee Vardy (3) *Slaton; B.A., Texas Technological, 1951*  
Chester Alexander Vaughn (1) *Corsicana; B.A., Baylor, 1953*  
John Pendleton Vineyard, Jr. (3) *Dallas*  
Roy Delbert Wagoner (4) *Mesquite; B.A., North Texas State, 1950*  
Kerfoot Pollock Walker, Jr., (3) *Harlingen; B.A., Hardin-Simmons, 1951*  
Otto Charles Walling, Jr. (4) *Sulphur Springs; B.S., East Texas State Teachers, 1951*  
Don Page Warden (3) *Austin; B.S., Texas Agricultural and Mechanical, 1953*  
William Edwin Waterman (3) *Paris*  
William Lake Watson (3) *Teague; B.A., Texas, 1951*  
Wilson Weatherford (1) *Dallas; B.S., Texas Agricultural and Mechanical, 1953*  
Bernard Samuel Weiner (4) *Dallas*  
Leroy Emil Weiss (3) *Seguin; B.S., Southwestern 1949*  
George Irving Westland (4) *Frazer, Montana; B.S., Denver, 1948*  
Peggy Joyce Whalley (2) *Austin; B.S., North Texas State, 1948*  
William Randell Whigham (2) *McAllen; B.A., Texas, 1952*  
Dorothy Yvonne Whissell (2) *Dallas; B.A., Wellesley, 1948*  
Dora Jean White (3) *Houston; B.S., Texas Wesleyan, 1950*  
James Bingham White (4) *Dallas; B.S., Texas Christian, 1951*  
John Truett Whitley (2) *Chico*  
Walter Dumas Wilkerson, Jr. (3) *Conroe; B.S., Texas Agricultural and Mechanical, 1951*  
Otto Lofton Willbanks, Jr. (1) *Dallas; B.S., Southern Methodist, 1951*



- Frankie Elizabeth Williams (2) *Colorado City; B.A., North Texas State, 1952*  
J. O. Williams, Jr. (3) *Houston; B.S., Baylor, 1948*  
John Riley Williams (3) *Dallas*  
Owen Dale Williams (1) *El Paso; B.A., Texas Western, 1953*  
Pat Williams (4) *Spur*  
Selwyn Arthur Willis (4) *Bowie; B.A., Austin, 1950*  
Bruce Frank Wilson (3) *Austin*  
Jean Donald Wilson (3) *Hillsboro; B.A., Texas, 1951*  
Paul Kincaid Wilson, Jr. (1) *McKinney; B.A., Austin, 1953*  
James Fair Witten (3) *Dallas*  
Thomas Preston Wood, Jr. (3) *Jacksboro; B.A., Texas, 1951*  
Betty Jo Woods (3) *Dallas; B.S., Texas, 1951*  
John Edgar Worthen, Jr. (2) *Dallas; B.S., North Texas State, 1943; M.S., 1950*  
David Livingston Young (2) *Dallas*  
David William Young (3) *Greenwood, Mississippi; B.A., Mississippi, 1950*  
Ozora Frances Young (1) *Ralls; B.A., Texas Technological, 1940*  
Ray Lacy Zeigler (2) *Shamrock*  
Stanley Jay Zimmerman (3) *Houston*

# STATISTICAL SUMMARIES

## DEGREES CONFERRED, 1944-1953\*

	<i>Conferred in 1953</i>			<i>Total 1944-1953</i>		
	MEN	WOMEN	TOTAL	MEN	WOMEN	BOTH
Doctor of Medicine	95	3	98	614	37	651
Master of Science	0	0	0	1	0	1
Master of Medical Art	0	1	1	6	4	10
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	95	4	99	621	41	662

## SUMMARY OF STUDENTS IN RESIDENCE

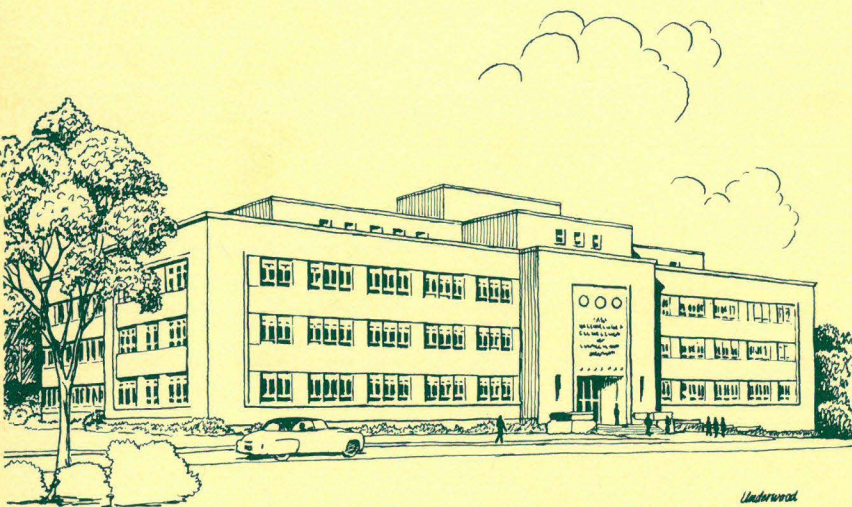
	<i>September 15, 1952-May 30, 1953</i>		
	MEN	WOMEN	TOTAL
Medical			
Fourth Year	95	3	98
Third Year	100	3	103
Second Year	87	10	97
First Year	92	9	101
Special	7	0	7
Medical Art			
Second Year	0	1	1
First Year	2	0	2
Graduate	3	0	3
	<hr/>	<hr/>	<hr/>
TOTAL	386	26	412

\* Degrees conferred before 1950 were awarded by Southwestern Medical College of Southwestern Medical Foundation.





*"Ye shall know the  
truth and the truth  
shall make you free."*



**BASIC SCIENCE BUILDING**

Scheduled for completion in September, 1954