1946

Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1946-1947

University of Nebraska College of Medicine

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College of Medicine

ANNOUNCEMENT 1946-1947

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AUGUST 31
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PUBLISHED BY THE UNIVERSITY AT LINCOLN

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### ACADEMIC CALENDAR

**CALENDAR 1946-1947**

#### 1946 Summer School

- **May 31, June 1, Friday, Saturday, 9 a.m.**—Guidance and counseling examinations, all new students.
- **June 3, Monday—Registration, all students.**
- **June 3, Monday, to July 12, Friday—Short Session.**
- **June 4, Tuesday—Classes begin.**
- **June 3, Monday, to Aug. 2, Friday—Long Session.**

#### First Semester 1946-1947

- **Sept. 4-14, Wednesday to Saturday—Medical examinations.**
- **Sept. 12, Thursday, 9 a.m.—Convocation, entering students.**
- **Sept. 12, 13, 14, Thursday, Friday, Saturday—Guidance and counseling examinations, new students.**
- **Sept. 13, Friday—Chancellor’s reception to new students.**
- **Sept. 16, 17, 18, Monday, Tuesday, Wednesday—General registration.**
- **Sept. 19-28, Thursday to Saturday noon—Registration, Graduate College.**
- **Sept. 19, Thursday—First semester classes begin.**
- **Sept. 19, Thursday, 4 p.m.—Freshman convocation.**
- **Oct. 26, Saturday—First scholastic reports.**
- **Nov. 10, Sunday—Faculty Memorial Service.**
- **Nov. 27-Dec. 2, Wednesday noon to Monday, 8 a.m.—Thanksgiving Day holidays.**
- **Dec. 7, Saturday—Second scholastic reports.**
- **Dec. 15, Sunday—Christmas Oratorio.**
- **Dec. 21-Jan. 6, 1947, Saturday noon to Monday, 8 a.m.—Christmas vacation.**
ACADEMIC CALENDAR—Cont'd.

CALENDAR 1946-1947

Second Semester 1946-1947

Jan. 13-18, Monday to Saturday—Registration for second semester, for students attending first semester.

Jan. 23-Feb. 1, Thursday to Saturday—First semester examinations.

Jan. 28, 29, Tuesday and Wednesday—Guidance and counseling examinations, new students.

Jan. 30, 31, Thursday and Friday—Registration for new students.

Feb. 3-8, Monday to Saturday noon—Registration, Graduate students.

Feb. 3, Monday—Second semester classes begin.

Feb. 15, Saturday—Charter Day.

March 8, Saturday—First scholastic reports.

April 5-14, Saturday noon to Monday, 8 a.m.—Spring vacation.

April 19, Saturday—Second scholastic reports.

April 22, Tuesday—Honors convocation.

May 3, Saturday—Ivy Day.

May 12-17, Monday to Saturday—Registration for fall semester for students attending second semester.

May 28, to June 7, Wednesday to Saturday—Second semester examinations.

May 30, Friday—Memorial Day holiday.

June 7, Saturday—Alumni Day.

June 8, Sunday—Baccalaureate sermon.

June 9, Monday—Seventy-sixth annual commencement.
CALENDAR FOR 1946–47
FRESHMEN AND SOPHOMORES

First Semester

September 13, Friday
September 14, Saturday
September 16, Monday
November 9, Saturday
November 27–December 2, Wednesday, noon to 8:00 a.m. Monday
December 21–January 6, 1947, Saturday, noon to 8:00 a.m. Monday
January 27–February 1, Monday through Saturday

Registration for Freshmen
Registration for Sophomores
First Semester classes begin
First half of first semester ends
Thanksgiving Day holidays
Christmas Vacation
First semester examinations

Second Semester

February 3, Monday
March 29, Saturday
April 5–14, Saturday, noon to 8:00 a.m. Monday
May 30, Friday
June 2–7, Monday through Saturday

Second semester classes begin
First half of second semester ends
Spring vacation
Memorial Day holiday
Second semester examinations

JUNIORS

First Semester

April 1, Monday
May 30, Thursday
June 8, Saturday noon
September 16, Monday
October 28–November 2, Monday through Saturday

First semester classes begin
Memorial Day holiday
Summer vacation begins
Classes resume
First semester examinations

Second Semester

November 4, Monday
November 27–December 2, Wednesday, noon to 8:00 a.m. Monday
December 21–January 6, 1947, Saturday, noon to 8:00 a.m. Monday
March 17–22, Monday through Saturday

Second semester classes begin
Thanksgiving Day holidays
Christmas Vacation
Second semester examinations
<table>
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<th>Date/Event</th>
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<td><strong>First Semester</strong></td>
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<tr>
<td>March 26, Wednesday</td>
<td>First semester registration</td>
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<td>April 5–14, Saturday noon to 8:00 a.m. Monday</td>
<td>Spring vacation</td>
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<td>May 30, Friday</td>
<td>Memorial Day holiday</td>
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<tr>
<td>June 7, Saturday</td>
<td>Summer vacation begins</td>
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<tr>
<td>November 4, Monday</td>
<td>Second semester classes begin</td>
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<td>November 27–December 2, Wednesday noon to 8:00 a.m. Monday</td>
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<td>March 17–22, Monday through Saturday</td>
<td>Second semester examinations</td>
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<td>March 22, Saturday</td>
<td>Commencement</td>
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<td><strong>Second Semester</strong></td>
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The College of Medicine, the School of Nursing, and the University Hospital are situated at the College of Medicine campus in Omaha at 42nd Street and Dewey Avenue. All the buildings are modern, the oldest, North Laboratory, having been erected in 1912.
ADMINISTRATION

The Board of Regents

Term Expires

STANLEY D. LONG, Grand Island.......................................................... January 1951
FRANK M. JOHNSON, Lexington............................................................. January 1951
CHARLES Y. THOMPSON, West Point...................................................... January 1947
MARION A. SHAW, David City................................................................. January 1947
ROBERT W. DEVOE, Lincoln, President.................................................. January 1949
VINCENT C. HASCALL, Omaha............................................................... January 1949

JOHN KENT SELLECK, Lincoln, Corporation Secretary

The University

REUBEN GILBERT GUSTAVSON, Ph.D., D.Sc., L.H.D., Chancellor of the University.

HAROLD CHARLES LUETH, Ph.D., M.D., Dean of the College of Medicine.

CHARLES WILLIAM MCCORKLE POYNTER, B.Sc., M.D., Emeritus, Dean of the College of Medicine.

JAMES PERRY TOLLMAN, B.Sc., M.D., Assistant Dean of the College of Medicine.

GEORGE WALTER ROSENLOF, Ph.D., L.L.D., Registrar, University Examiner, and Director of Admissions. (Secretary of the Faculties.)

THEOS JEFFERSON THOMPSON, Ph.D., L.L.D., Dean of Student Affairs.

MARJORIE WILLARD JOHNSTON, M.A., Dean of Women.

COLLEGE OF MEDICINE

Degrees of Doctor of Medicine, Bachelor of Science in Medicine, Bachelor of Medical Technology, Bachelor of Science in Nursing, and Graduate Nurse.

DEPARTMENT OF ANATOMY
J. S. Latta, Chairman

DEPARTMENT OF BIOCHEMISTRY
S. Morgulis, Chairman

DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY
C. C. Tomlinson, Chairman

DEPARTMENT OF INTERNAL MEDICINE
H. C. Lueth, Acting Chairman

DEPARTMENT OF MEDICAL JURISPRUDENCE

DEPARTMENT OF NEUROLOGY AND PSYCHIATRY

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY
E. C. Sage, Chairman

DEPARTMENT OF OPHTHALMOLOGY
J. H. Judd, Chairman

DEPARTMENT OF ORTHOPEDIC SURGERY
R. D. Schrock, Chairman

DEPARTMENT OF OTORHINOLARYNGOLOGY
Clarence Rubendall, Chairman

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY
H. E. Eggers, Chairman

DEPARTMENT OF PEDIATRICS
J. A. Henske, Chairman

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY
A. R. McIntyre, Chairman

DEPARTMENT OF RADIOLOGY AND PHYSICAL THERAPY
H. B. Hunt, Chairman

DEPARTMENT OF SURGERY
J. J. Keegan, Chairman

DEPARTMENT OF UROLOGY
E. Davis, Chairman
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JOHN FRANKLIN ALLEN, B.Sc., M.D., Professor of Clinical Medicine and Acting Director of Student Health Service.
ROBERT M. ALLEN, A.B., M.S., Instructor in Pathology and Bacteriology.
GEORGE THOMAS ALLIBAND, B.Sc., M.D., Instructor in Ophthalmology.
MAINE C. ANDERSEN, M.D., Assistant Professor of Medicine.
HARLEY ERIC ANDERSON, B.Sc. in Med., M.D., Assistant Professor of Obstetrics and Gynecology.
LEO EUGENE ANDERSON, B.Sc. in Med., A.B., M.D., Instructor in Surgery.
CLARENCE FREDERICK BANTIN, B.Sc., M.D., Instructor in Pediatrics.
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RODNEY WALDO BLISS, A.B., M.D., Professor of Medicine, Emeritus.
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HERMAN HENRY BRINKMAN, M.D., Clinical Assistant in Surgery.
DONALD JOHN BUCHOLZ, A.B., M.A., M.D., Clinical Assistant in Internal Medicine.
ALFRED JEROME BROWN, A.B., M.D., Professor of Surgery, Emeritus.
WILLIAM FREDERICK CALLFAS, C.M., M.D., Professor of Otorhinolaryngology, Emeritus.
OLIN JAMES CAMERON, M.S., M.D., Assistant Professor of Dermatology and Syphilology.
PAUL THALBERT CASH, M.D., Instructor in Neurology and Psychiatry.
WALDRON ALVIN CASSIDY, A.B., M.D., Assistant Professor of Otorhinolaryngology and Consultant for Bronchoscopy.
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DAVID PRESSLEY FINDLEY, M.D., Assistant Professor of Obstetrics and Gynecology.
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MAX FLEISHMAN, M.D., Instructor in Internal Medicine.
CHARLES FRANDSEN, B.Sc., M.D., Instructor in Medicine.
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JOHN LEO GEDGOUD, B.Sc., M.D., Associate Professor of Pediatrics.
FACULTY

HAROLD GIFFORD, Jr., B.Sc. in Med., M.D., Associate Professor of Ophthalmology.
ARTHUR MORTON GREENE, M.Sc., M.D., Instructor in Medicine.
MANUEL GRODINSKY, B.Sc., M.D., Associate Professor of Anatomy and Associate Professor of Surgery.
MILLARD FILLMORE GUNDERSON, Ph.D., Professor of Pathology and Bacteriology.
WALTER MARK GYSIN, M.D., Instructor in Neurology and Psychiatry.
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WILLIAM PORTER HANEY, M.D., Assistant Professor of Otorhinolaryngology.
LOUIS EVERETT HANISCH, B.Sc., M.D., Instructor in Surgery.
LYMAN HOWARD HEINE, A.B., M.D., Clinical Assistant in Otorhinolaryngology.
JOSEPH ALOYSIUS HENSKE, M.D., Professor of Pediatrics. (Chairman of Department.)
LLOYD OLIVER HOFFMAN, M.D., Instructor in Surgery.
EDWARD AGUSTUS HOLYOKE, Ph.D., M.D., Professor of Anatomy.
WAYNE MCKINLEY HULL, M.Sc., M.D., Instructor in Internal Medicine.
HOWARD BEEMAN HUNT, A.M., M.D., Professor of Radiology and Physical Therapy. (Chairman of Department.)
HERBERT PAUL JACOBI, Ph.D., Instructor in Biochemistry.
HERMAN MILTON JAHNRE, M.Sc., M.D., Associate Professor of Pediatrics.
HERMAN FRANK JOHNSON, M.D., Associate Professor of Orthopedics and Associate Professor of Surgery in Charge of Division of Fractures.
AUGUST FREDERICK JONAS, M.D., Instructor in Surgery.
JOHN HENWITT JUDD, B.Sc., M.D., Professor of Ophthalmology. (Chairman of Department.)
JOHN JAY KEEGAN, A.M., M.D., Professor of Neurological Surgery. (Chairman of Department of Surgery.)
JOHN CHARLES KENNEDY, M.A., M.D., Instructor in Surgery and Assistant in Anatomy.
ESLEY JOSEPH KIRK, A.M., M.D., Assistant Professor of Medicine, in Charge of Clinical Clerk Service.
GEORGE JOHN KLOK, A.B., B.Sc., Instructor in Pediatrics.
JAMES ROBERT KOVARIK, B.Sc., M.D., Clinical Assistant in Obstetrics and Gynecology.
JOHN STEPHENS LATTA, Ph.D., Professor of Anatomy. (Chairman of Department.)
LEREO WILLIAM LEE, B.Sc. in Med., M.Sc., M.D., Instructor in Urology.
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JAMES SYLVESTER MCAVIN, Ph.G., M.D., Instructor in Anesthesia and Radiology.
JOSEPH DANIEL MCCARTHY, M.D., Assistant Professor of Medicine.
LEON STEINER McGOOGAN, A.B., M.D., Associate Professor of Obstetrics and Gynecology. (Secretary of Department.)
ARCHIBALD ROSS McINTYRE, Ph.D., M.D., Professor of Physiology and Pharmacology. (Chairman of Department.)
CHARLES WILLIAM Mclaughlin, Jr., B.Sc. in Med., M.D., Assistant Professor of Surgery.

* On leave of absence.
ERNEST LYNN MACQUIDDY, A.B., M.D., Associate Professor of Medicine.
MORRIS MARGOLIN, A.B., M.D., Assistant Professor of Internal Medicine.
OTIS WALLACE MARTIN, B.S., M.D., Instructor in Urology.
WILLSON BRIDGES MOODY, A.B., M.D., Associate Professor of Medicine.
CHARLES FRANKLIN MOON, B.S., M.D., Assistant Professor of Obstetrics and Gynecology.

JOHN CLYDE MOORE, JR., A.B., B.S., M.D., Professor of Pediatrics.
RALPH CORY MOORE, B.S., M.D., Instructor in Radiology.
SERGIUS MORGULIS, A.M., Ph.D., Professor of Biochemistry. (Chairman of Department.)

WILLIAM HOWARD MORRISON, B.S. in Med., M.D., Assistant Professor of Ophthalmology.
PAUL NEWTON MORROW, A.B., B.S., M.D., Instructor in Pediatrics and Public Health.
REUBEN ALLYN MOSER, A.B., M.D., Associate Professor of Medicine, Director of Medical Clinic at the Dispensary, and Assistant Superintendent of University Hospital.

OTTO HEINRICH MÜLLER, A.B., R.N.Dr., Instructor in Physiology and Pharmacology.
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JOHN BEEKMAN POTTS, M.D., Professor of Otorhinolaryngology, Emeritus.
CHARLES WILLIAM MCCORKLE POYNTER, B.S., M.D., Director, Division of Special Anatomical Research, Dean of the College of Medicine, Emeritus; Professor of Anatomy, Emeritus.

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GEORGE EDWIN ROBERTSON, B.S. in Med., M.D., Associate Professor of Pediatrics.

CLARENCE RUBENDALL, B.S., M.D., Professor of Otorhinolaryngology. (Chairman of Department.)

ABRAHAM SROL RUBNITZ, A.B., M.D., Assistant Professor of Medicine.

EARL CUDDINGTON SAGE, B.S., M.D., Professor of Obstetrics and Gynecology. (Chairman of Department.)

JOHN RUDOLPH SCHEINKEN, B.S., M.D., Associate Professor of Pathology and Bacteriology.
ROBERT D. SCHROCK, A.B., M.D., Professor of Orthopedic Surgery. (Chairman of Department.)

EUGENE EARL SIMMONS, B.S., M.D., Assistant Professor of Internal Medicine.

GEORGE ALFRED SKINNER, M.D., Professor of Public Health, Emeritus.
CLARENCE THOMPSON SPIER, A.B., LL.B., Instructor in Medical Jurisprudence.

OLGA FRANCES STASTNY, M.D., Instructor in Obstetrics and Gynecology.
COMMITTEES OF THE FACULTY

ROBERT JAMES STEARNS, M.D., Assistant Professor of Gynecology.
ABRAHAM A. STEINBERG, B.Sc., M.D., Instructor in Ophthalmology.
WILLIS HARVEY TAYLOR, B.Sc., M.D., Professor of Clinical Obstetrics and Gynecology.
CHARLES EDWARD THOMPSON, B.Sc., M.D., Instructor in Internal Medicine.
CHESTER QUAY Thompson, B.Sc. in Med., M.D., Assistant Professor of Medicine.
WARREN THOMPSON, B.Sc., M.D., Associate Professor of Medicine.
PAUL WAYNE TIPTON, B.Sc. in Med., M.D., Clinical Assistant in Orthopedic Surgery.
JAMES PERRY TOLLMAN, B.Sc. in Med., M.D., Assistant Dean of the College of Medicine, Professor of Clinical Pathology, and Director of the School of Medical Technologists.
CHARLES CREIGHTON TOMLINSON, M.D., Professor of Dermatology and Syphilology. (Chairman of Department.)
CHARLES ARCHIBALD TOMPKINS, B.Sc. in Med., M.D., Instructor in Pediatrics.
PAUL E. TULLAR, Assistant in Physiology and Pharmacology.
DONALD CLAY VROMAN, B.Sc. in Med., M.D., Instructor in Obstetrics and Gynecology.
OTIS WADE, Ph.D., Associate Professor of Zoology and Adviser to Premedical Students.
CHESTER HILL WATERS, Sr., B.Sc., M.D., Professor of Surgery.
CHESTER HILL WATERS, Jr., A.B., M.D., Instructor in Orthopedics.
JOSEPH ALEXANDER WEINBERG, M.Sc., M.D., Associate Professor of Surgery.
HARRISON ALONZO WIGTON, B.Sc., M.D., Associate Professor of Neurology and Psychiatry.
ROBERT SPENCER WIGTON, M.A., M.D., Instructor in Neurology and Psychiatry.
VIOLET MYRTLE WILDER, A.B., M.A., Ph.D., Instructor in Biochemistry.
WILLIAM ALBERT WILLARD, Ph.D., Professor of Anatomy, Emeritus.
DONALD JASPER WILSON, A.B., B.Sc., M.D., Assistant Professor of Dermatology and Syphilology.
WILLIS DEAN WRIGHT, B.Sc., M.D., Instructor in Medicine.
RAYMOND JOSEPH WYRENS, A.B., M.D., Instructor in Medicine in Charge of Tropical Medicine.
GEORGE ALEXANDER YOUNG, Sr., M.D., Professor of Neurology and Psychiatry, Emeritus.
GEORGE ALEXANDER YOUNG, Jr., M.D., Instructor in Medicine.
RICHARD HARTER YOUNG, M.S., M.D., Associate Professor of Neurology and Psychiatry.
RESIDENTS: Surgery, Cochran; Mixed, Medicine and Surgery, Bunting, Jackson; Pathology, Greenslit; Orthopedics, Bach; Obstetrics, Taylor; Opthalmology, Eagle; Radiology, Coleman.
Fellows: Pathology, Myrabo.
ASSISTANTS: Anatomy, Kennedy, Nilsson; Physiology and Pharmacology, Dunn, Tullar.

Committees of the Faculty

ADMISSION AND SCHOLASTIC STANDING—Doctors Eggers, Chairman, A. L. Bennett, Bisgard, Latta, Waters, R. H. Young.
CAMPUS—Doctors Lueth, Chairman, McIntyre, Mr. Saxon, Mr. Hascall, and Miss Kyle.

* Absent on leave.
** Resigned, effective November 1, 1945.

DISPENSARY—Doctors Henske, Chairman, Dunn, McGoogan, McLaughlin.

EXAMINATIONS—Doctors Moody, Chairman, Sage, Findley, McIntyre, Owens, Henske, McLaughlin, Cash, Simmons.

EXECUTIVE—Chairmen of Departments, Dean, Assistant Dean, Director School of Nursing, Assistant Operating Superintendent.

GRADUATE STUDIES—Doctors McIntyre, Chairman, Gunderson, Morgulis.

LIBRARY—Doctors Latta, Chairman, H. H. Davis, McIntyre, Pratt, Mr. Moe, Miss Kyle.

POSTGRADUATE—Doctors Bisgard, Chairman, F. L. Dunn, Schenken.


STUDENT ASSISTANCE—Doctors A. L. Bennett, Chairman, Holyoke, Tollman.

UNIVERSITY HOSPITAL—Doctors Hunt, Chairman, Keegan, Moore, Moser, McGoogan, Warren Thompson, Tollman, the Superintendent.

Administration

IRMA MAURINE KYLE, R.N., B.Sc., S.M., Director of the School of Nursing and Professor of Nursing.

REUBEN ALLYN MOSER, A.B., M.D., Assistant Superintendent of University Hospital and Associate Professor of Medicine.

HAZEL SPRAGUE, B.Sc., Director of Dietetics with rank of Associate Professor.

HELEN ERICKSON, R.N., Superintendent of Dispensary.

CHARLOTTE BURGESS, R.N., Ph.B., Director of the School of Nursing and Professor of Nursing.

JOSEPHINE CHAMBERLIN, R.N., Superintendent of Dispensary, Emeritus.

ALICE MARY FOLDA, B.Sc. in H.Econ., Assistant Dietitian.

GERTRUDE LANDIS, Finance Secretary and Bookkeeper.

PHILIP SEVERN MOE, B.Sc., Librarian of Medical College Library.

HELEN IRENE PITZER, Secretary to the Dean.

RUTH POHLE, A.B., Supervisor in Hospital Laboratory.

RUBEN BRYAN SAXON, B.Sc. in M.E., Assistant Operating Superintendent at the College of Medicine.

* Retired, effective December 1, 1945.
COLLEGE OF MEDICINE

History.—The legislative Act of February 15, 1869, not only provided for the formation of the University of Nebraska at Lincoln, but also included provision for a college of medicine. In 1883, the University of Nebraska College of Medicine was established at Lincoln. It continued in operation until the 1887 session of the legislature withdrew its appropriation necessitating discontinuance of the college on May 19, 1887. In 1902, the Omaha Medical College, incorporated at Omaha in 1881, discontinued its activities and became a part of the University of Nebraska, the first two years of the four-year medical course being given in Lincoln and the last two years in Omaha. Since 1913 the entire four-year course has been given in Omaha.

Standing.—The state legislatures, since 1913, have appropriated more than a million and a half dollars which the Board of Regents has devoted to the erection and equipment of buildings on the University of Nebraska College of Medicine campus at Omaha. This campus provides for the instruction of students in the basic sciences, and in the University Hospital and Dispensary, for clinical teaching and experience. A constantly increasing Faculty has met the demands of the expanding requirements of medical education, and, through our affiliated hospitals, adequate clinical facilities have been provided.

The College of Medicine meets the requirements of the most exacting state examining and licensing boards. Its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. It is a member of the Association of American Medical Colleges and has a Class A rating by the Council of Medical Education and Hospitals of the American Medical Association. It maintains the highest standards in instructional staff and content of courses.

The course of study in medicine covers four years of 36 weeks each. The first two years in medicine include those laboratory sciences which form the basis for the clinical studies of the last two years. The clinical application of laboratory subjects is emphasized and introductory clinical subjects are given in the second year. The last two years are spent largely in the study of disease in clinics of the hospital and out-patient department. The objective method is followed in laboratories and clinical instruction, with constant reference to the facts acquired from earlier laboratory work. In all courses students are encouraged to do the largest amount of individual work consistent with the discipline of the curriculum.

In the plan of instruction throughout the four years students are arranged in small groups to meet both laboratory and clinical instructors.

Admission to the College of Medicine

Credentials.—For admission to the College of Medicine, applicants must present official credentials as follows:

HIGH SCHOOL.—Graduates of accredited high schools may have full admission with 12 properly selected entrance units completed in the senior high school (grades 10, 11, 12) or with 15 entrance units on the four-year high school basis.

Six units from the senior high school shall be in the fields of English, foreign language, mathematics, natural sciences, and the social studies with a minimum of two units in English, two in mathematics (one each of algebra and geometry or an equivalent combination of general mathe-
matics, algebra and geometry), and two in a foreign language. One unit of foreign language and one unit of mathematics completed below grade 10, while not counting toward the six units in the five fields mentioned above, may be used in fulfilling the specific requirements in these fields.

**College.**—The following premedical program of subjects represents the minimum credits required of all applicants for admission to medical college:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry (4 hours of which shall be organic)</td>
<td>12</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
</tr>
<tr>
<td>Biology</td>
<td>8</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>90</strong></td>
</tr>
</tbody>
</table>

The college course must include at least 90 semester hours in an approved college of arts and sciences or in a university. The students are urged to elect a broad list of courses including the humanities as well as the basic sciences. This might well include sociology, psychology, history, advanced English, and a major foreign language, preferably German, to be carried through two or three years unless it has been begun in high school.

Semester hours in subjects such as anatomy, histology, embryology, physiology, biochemistry, medical bacteriology, or any other subject which is taken in Medical College can not be utilized in satisfying the admission requirements. Credits offered from professional schools which do not regularly receive Arts College credit are not acceptable for admission to the College of Medicine.

Students applying for admission to the College of Medicine may be required to take the aptitude test as provided by the Association of American Medical Colleges.

By meeting group and major and minor requirements, a degree of Bachelor of Arts or Bachelor of Science can be received on the satisfactory completion of the first year in Medical College.

**Application for Admission.**—Applications should be made to the Dean of the University of Nebraska College of Medicine, 42nd and Dewey Avenue, Omaha 5, Nebraska, who will furnish a printed application blank and two character reference blanks. The latter are to be filled out preferably by a professor of zoology and a professor of chemistry. A personal interview with the dean or the Committee on Admissions and Scholastic Standing is very desirable.

Applications may be presented upon completion of five semesters of premedical work, with indication of enrollment for the remaining necessary subjects during the sixth semester or summer school. A provisional acceptance will be given such a student if his record is satisfactory.

Admissions are on a selective basis, preference being granted to residents of Nebraska. The number of admissions is limited and selection is based on character, scholarship, and promise of aptitude for the practice of medicine.

Upon receipt of notice that an applicant has been accepted for entrance to the College of Medicine, he is required to send a deposit of $25.00 to be applied to matriculation and as part of payment of the tu-
ADMISSION TO THE COLLEGE OF MEDICINE

Admission fee of the first term at the time of registration, or to be forfeited if the applicant fails to register in the class for which he is accepted. A charge of $5.00 may be made for evaluation of transcripts of nonresident students, such fee to be applied as part payment of tuition if applicant is accepted.

Applicants entering on the G.I. Bill should present their letter of eligibility in lieu of the $25.00 deposit.

Advanced Standing.—Application for admission to advanced standing in the second and third medical year classes will be considered only from Class A schools. Applicants for admission must furnish evidence that they have satisfactorily completed courses equivalent in kind and amount to those taken by the class to which admission is sought, and must present also a letter of honorable dismissal. The University of Nebraska College of Medicine reserves the right in every case to give examinations in any or all subjects in which credit is requested. Such examinations, however, are given only in exceptional cases.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

No student will be admitted to advanced standing in any class with a delinquency in any subject; nor may he become a candidate for graduation without spending the last two years in residence.

Credit Requirements.—In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the Doctor of Medicine degree to holders of a bachelor’s degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college.

The granting of subject credit is at the discretion of the Committee on Admissions and Scholastic Standing, which may ask the chairman of any department in which credit is offered to certify as to the student’s eligibility through such examination as he may reasonably impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the Committee on Admissions and Scholastic Standing has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as an “incomplete” until removed.

Registration.—A day at the beginning of each semester is set apart for registration. To promote prompt registration, a fee of $3 is charged any student who, unless excused by the dean, seeks to register later than this day. A fee of $1 is charged for reregistration. Any change whatever in a registration once made is considered as a reregistration. No work done in the College of Medicine may be granted credit without proper registration. Eligibility for the degree of Doctor of Medicine requires registration in eight separate semesters. No regular student is registered for less than 12 hours a semester without the dean’s permission, nor under any conditions for more than 18 hours. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the dean.

Students desiring to use the work of the first two medical years for baccalaureate credit at the University of Nebraska must register in the College of Arts and Sciences until the necessary amount of college work
is completed. Candidates for baccalaureate degrees in other institutions than the University of Nebraska may arrange with their colleges to accept transcripts of the work of the first two years in medicine to apply to such degrees, or otherwise satisfy the requirements of those institutions.

Class Standing and Examination.—The standing of a student in any course is determined by the instructor in charge of the subject through examinations, personal contact, and observation of routine work. The passing grade for subjects of the first and second medical years is 70 per cent and for the third and fourth medical years 75 per cent. A grade below passing constitutes a “failure.”

A student who fails to make an average of 75 per cent in all of the subjects of either the first or second medical year shall be reexamined in all of the subjects of the respective year by an examining committee before being permitted to register for the following year. A student is allowed to take only one recapitulation examination.

A course, which for a good reason has not been completed, may, if of passing grade, be marked “incomplete.” Such incomplete must be removed by the end of the first semester in which the course is again offered or it becomes a failure.

A failed subject must be absolved by reregistration in and satisfactory completion of the subject at or before the next offering in the college schedule. A reregistered subject takes precedence over all other subjects. A minimum grade of 75 in each course is required of students repeating work during the first two years. A student who has failed twice here or elsewhere in the same subject is not eligible for registration in that subject at this college.

Attendance at less than 80 per cent of the scheduled lectures and recitations or 85 per cent of the scheduled laboratory and clinical hours constitutes a failure in any course and shall be so reported.

Whenever at the end of any semester a student is delinquent in half or more of his registered hours, his name is automatically dropped from the rolls of the College of Medicine and his registration cancelled.

Absence or Withdrawal.—The Dean of the College of Medicine is the adviser of all students in the College of Medicine. A leave of absence for a short time may be granted a student by the dean of his college. This is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the dean grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

Requirements for Graduation

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be at least 21 years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission.
4. He must have pursued the study of medicine for at least four years and must have passed all required courses and examinations and have received credit for at least four full years of instruction at medical colleges in good standing. At the end of the senior year a committee examination and thesis will be required before recommendation for graduation. The last two years must have been taken in this institution.
Combined Academic and Medical Courses

Course Leading to the Degrees of Bachelor of Arts or Bachelor of Science and Doctor of Medicine.—By completing the group requirements of the College of Arts and Sciences and two minors (or one major) and by the use of the subjects of the first year of the medical course as a major, the student is enabled to receive at the end of four years the degree of Bachelor of Arts or Bachelor of Science in the College of Arts and Sciences.

Course Leading to the Degree of Bachelor of Science in Medicine.—Only students presenting premedical college credits of high standard and who have completed the first two years in medicine, the last year of which shall be in residence in this institution, but who have not fulfilled the requirements for the degree of Bachelor of Science in the College of Arts and Sciences, may become candidates for the degree of Bachelor of Science in Medicine.

Graduate Work

Graduate work of two types is offered in the College of Medicine:

1. Graduate work leading to the Master of Science or Doctor of Philosophy degree is registered for in the Graduate College and is subject to its regulations. The graduate program differs from that in other departments of the Graduate College in that the student registers for graduate work in Medical Science rather than for departmental majors and minors. In addition to meeting the general requirements of the Graduate College students must comply with the following rules governing the graduate work in Medical Science.

Prerequisites: (1) Students must have completed the first two years of the regular curriculum in the Medical College or its equivalent and must have attained an average grade of 85 in their courses or pass a qualifying examination in the basic medical sciences with a grade of at least 85, or (2) students with a Bachelor of Arts or Bachelor of Science degree from a non-medical college must have completed a sufficient number of courses in the basic medical sciences to prepare them for the qualifying examination. These requirements may be waived for persons holding both the baccalaureate degree and the degree of Doctor of Medicine.

Graduate students must acquire proficiency in their field of concentration by participation in the instruction of medical students for at least one semester in a regularly required course in the College of Medicine.

A student who fails to satisfy his instructor in any of his courses may not continue his program of study without permission of the Committee of Graduate Studies who may require a special examination to determine the student's qualifications for further work.

Candidates must select one of the preclinical departments for their thesis research and in addition must select graduate courses in other preclinical departments. The distribution of courses should be such that approximately one-half of the total program, including thesis research, should be in the major field of study and the remainder in at least two other departments for candidates for the master's degree, or three other departments for Doctor of Philosophy candidates. The final oral examination for all advanced degrees will involve more than a defense of the thesis and will determine the candidate's knowledge of the fundamentals.
in the entire field of basic medical science, and their integration with the special field of study.

2. Research accomplished under the direct supervision of the faculty by graduates of outstanding scholarship serving in the University of Nebraska College of Medicine may lead to the degree of Doctor of Medicine cum laude. The following conditions laid down by the faculty must be complied with. The candidate should apply at least one year before he expects to come up for such degree and the subject of his study as well as an outline of the proposed work must be approved by the faculty Committee on Graduate Studies. Throughout the year the candidate's investigative work should be under the supervision of two advisers named by this committee, one of whom shall be a member of the laboratory faculty, the other the chief of staff of the hospital where the candidate serves his internship. The work must represent original clinical or experimental data embodied in a typewritten thesis which should also give a comprehensive and critical survey of the literature of the special topic under investigation. Three copies of the thesis should be submitted, one of which will be deposited in the Medical College Library, if accepted. The granting of the degree should be by unanimous vote of the faculty after the thesis, properly recommended by the advisory committee, has been accepted by the executive committee of the faculty.

**Fees and Expenses**

All fees must be paid to the Comptroller at the time of registration. No person may enroll in or attend classes or take any examination until his fees are paid. Students are urged to retain all receipts issued by University officials. The following schedule of fees will remain in force for the year 1946-47 unless changed by The Board of Regents prior to registration.

The minimum tuition fee for the premedical years is $3 per credit hour.

<table>
<thead>
<tr>
<th>Matriculation</th>
<th>$5.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payable on entering a college</td>
<td></td>
</tr>
</tbody>
</table>

**Nonresident**

<table>
<thead>
<tr>
<th>Registration</th>
<th>$75.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum, each semester (see page 19)</td>
<td></td>
</tr>
</tbody>
</table>

**Tuition**

<table>
<thead>
<tr>
<th>Tuition, each semester</th>
<th>$150.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payable on entering a college</td>
<td></td>
</tr>
<tr>
<td>Irregular students, per credit hour</td>
<td>8.50</td>
</tr>
<tr>
<td>A breakage fee of $10 per year is charged, the unused portion of which will be returned at the end of the fourth year.</td>
<td></td>
</tr>
</tbody>
</table>

For elective courses requiring laboratory space, apparatus, and material, an extra fee is charged. This fee is by agreement between the student and the chairman of the department, and is based on the amount of material required. No student in the College of Medicine may be excused from tuition payments because of the fact that he holds an appointive position or is doing instructional work for any department. Special course fees or the fees of students taking part-time work is prorated on the basis of the num-
ber of hours of work. In no case is the fee more than 20 cents for each hour of work. The minimum fee, however, is $10. Breakage in the laboratory and damage to the College property is charged to the individual or class responsible. In case the responsibility for the damage cannot be placed it is charged to the class pro rata.

Incidental

Medical Service, each semester........................................................................................................... $ 3.00
Transcript (one copy furnished free) Each additional original copy........................................ 1.00
Each additional original and one carbon........................................................... 1.25

Special Examination

Each subject, Medical College .............................................................................................................. $ 5.00
Advanced standing by examination, per credit hour ........................................................................ 3.00

Graduation

Baccalaureate degree ......................................................................................................................... $ 5.00
In absentia or medical cum laude, additional .................................................................................. 10.00

No person may be recommended for a degree until he has paid all fees, including the fee for graduation.

Nonresident Students.—All students not residents of Nebraska must pay a nonresident fee, the fee charged being not less “than the fee charged to residents of Nebraska for a similar course of study in a corresponding institution by the state in which such a nonresident has his home.” This fee will not be less than $75 a semester. The exact amount will be determined when application is made for entrance to the University.

The following rules have been adopted by The Board of Regents:

1. In accordance with statutory provisions, all students not domiciled in Nebraska are required to pay the nonresident fees. These entering the state to attend a state school, or within one year prior to matriculation, are presumed to be nonresidents and the burden of overcoming this statutory presumption is upon them. Ordinarily this will not be satisfied by a mere declaration, while attending school, of intent to reside in Nebraska.

2. One desiring exemption shall make a verified application therefor upon a blank to be secured from the Comptroller's office and approved by the committee on exemptions. All information called for by the form shall be given in full. When duly verified, the application shall be filed in the Comptroller's office.

3. Students who are charged the nonresident fee, and who claim exemption, must file their application for exemption in the Comptroller's office on or before the end of the ninth week of the semester for which the fee is charged; in the case of summer sessions, before the end of the third week of the term for which the fee is charged. For failure after due notice to file such application on said date, the fee becomes automatically assessed to the student.

4. In all cases the burden is upon the applicant to make a showing sufficient to justify the requested exemption. While personal hearings will not be granted as of right, the committee will summon the applicant for a personal interview in all cases where it is of the opinion that such an interview will aid the proper disposition of the case.

It should be noted that no provision is made for exempting students from this fee on account of financial need or of scholarship. Students coming from outside the state therefore should be prepared to pay the fee throughout their University career.

Refunds.—The matriculation fee will be refunded only when charged through an error of a University official. Registration and medical service
fees will not be refunded but tuition and nonresident fees may be refunded on withdrawal in good standing from the University as follows:

<table>
<thead>
<tr>
<th>Tuition Returnable</th>
<th>All</th>
<th>75%</th>
<th>50%</th>
<th>25%</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each semester, withdrawal within</td>
<td>1-2</td>
<td>3-6</td>
<td>7-10</td>
<td>11-14</td>
<td>15-18 weeks</td>
</tr>
</tbody>
</table>

Microscopes.—Students are urged to provide suitable microscopes for their own use. Inquiries regarding specifications for microscopes as recommended by the faculty may be obtained by addressing the dean's office. Microscopes may be rented at the rate of $15.00 each per year, under rules and regulations to be formulated by the faculty and the Dean of the College of Medicine.

Expenses.—Board may be obtained in the vicinity of the College campus at an average of $10 per week. Comfortable rooms for the individual cost $25 a month. Students rooming together may obtain comfortable rooming quarters at approximately $15 per month each. Seventy-five dollars a year should be allowed for books and instruments. The average expense of the student for a school year, including board and room, books, instruments and all fees is between $900 and $1,200.

Employment.—A city the size of Omaha offers many opportunities for students to defray a part of their expenses. The College of Medicine does not, however, guarantee employment. Through the Young Men's Christian Association and other agencies, employment is obtained for a number of students. The Young Men's Christian Association offers to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the Association Building.

Student Health Service

The Student Health Service, which is a part of the Department of Public Health, has as its function the protection and conservation of the health of the medical and nursing students. Periodic physical examinations are carried out and immunizations of proved worth are offered. Tuberculosis case-finding surveys are also conducted. Laboratory, x-ray, and hospital facilities are available to those who need them. Ill students may report here for examination and treatment in collaboration with the clinical staff.

Laboratory Facilities

Anatomy.—The Department of Anatomy occupies the third and fourth floors of the North Laboratory Building. The rooms are well lighted and ventilated. The “unit room” system—each unit accommodating four or eight students—has been adopted as superior to that of a large common dissecting room. The state anatomical law provides ample material for dissection. In the laboratory for microscopic anatomy individual desks, lockers, reagents, etc., are at the student's command, as are also excellent collections of histological and embryological material, models, charts, etc.

Biochemistry.—This department, located on the fourth floor of the South Laboratory Building, is amply equipped with modern scientific apparatus. It also has special research laboratories equipped with calorimeter, thermostat, automatic burettes, electric stoves, etc. A balance room and rooms for combustion, calorimetric, and Kjeldahl work are among the excellent facilities of this building.
Clinical Pathology.—There are two laboratories on each floor of the hospital adjoining the wards which are equipped for all regular diagnostic laboratory tests. For clinical clerk service a central hospital laboratory is provided, in which clinical laboratory work on assigned cases is done under supervision. For tissue examination, a special laboratory is located on the ground floor of the first hospital unit, with necropsy room adjacent.

Maternal and Child Health.—The Departments of Biochemistry, Obstetrics and Pediatrics, in cooperation with the Bureau of Maternal and Child Health of the State Department of Health, maintain a special laboratory for the detailed investigation of clinical problems. This laboratory is located on the fourth floor of the hospital building and is equipped for the special biological and chemical tests necessary for the study of patients. This laboratory also carries on clinical investigation under the direction of the sponsoring departments. It serves both a teaching and research function.

Pathology and Bacteriology.—This department occupies the first and second floors of the North Laboratory Building, and has two large teaching laboratories for bacteriology, for general pathology of the second medical year, and for clinical and special pathology of the third medical year. Ample facilities and apparatus, with the exception of microscopes, are provided for each student.

Pharmacology.—Experimental pharmacology occupies the third floor of the South Laboratory Building. The chemical and pharmaceutical work of the student is carried on in this laboratory. The department’s equipment includes private laboratories for experimental work.

Physiology.—The main physiology laboratory in the South Laboratory Building accommodates 40 students in each section and separate tables with lockers are provided for each pair of students. The room for mammalian experimentation accommodates 32 students. For research work and special experiments, several additional rooms are available. The work shop, the instrument room, and the photographic room furnish opportunities for additional types of work.

Clinical Facilities

University Hospital.—The University Hospital forms the largest unit of the group of buildings constituting the College of Medicine. It is the center around which all the activities of the various departments are grouped, making possible a close correlation between clinical and laboratory teaching. The hospital, modern in every respect, contains floor space for 240 beds, and provides for the care of a wide variety of cases.

Patients are received from the several counties of Nebraska and are admitted on the application of a legally qualified practitioner of medicine and county official. The patient’s application certifies that he is financially unable to employ a physician. There are no private patients.

The ground floor contains an admitting department, drug room, kitchen, dining rooms, pathological laboratories, necropsy amphitheater, the X-ray and physical therapy department, together with photography, and the stack room of the library. The first or main floor contains the college and hospital administration offices, finance office, medical amphitheater, reading room of the library, office of the dietitian, three medical wards, staff room, and electrocardiograph room. The second floor provides four surgical wards similar to those on medicine, a faculty conference room, the offices of the School of Nursing, and the Department of Hospital Records.
The third floor contains wards for obstetrics and gynecology, a nursery, a children's ward, and a ward for neurology and psychiatry as well as the operating pavilion for obstetrics. On the fourth floor is situated the operating pavilion with rooms for general surgery and the surgical specialties which will accommodate large and small groups of observers, the hospital laboratory, the laboratory for clinical clerks, and interns' quarters. Each ward is provided with a large solarium.

The control of the University Hospital rests in The Board of Regents and is administered by the College of Medicine.

**University Dispensary.**—The dispensary is located in the South Laboratory Building. Separate services, each having its own rooms and equipment, are provided in: dermatology; eye, ear, nose, and throat; genitourinary diseases; gynecology; internal medicine; neurology; obstetrics; pediatrics; and surgery. There is also an out-call service which provides medical treatment in the homes, and in its problems, cooperates with the Visiting Nurses' Association and other charitable agencies of the city. These activities furnish a wide diversity of diseases and are organized for the teaching of the senior students.

**Extramural Hospitals.**—Bishop Clarkson Memorial, Lutheran, Immanuel, Nebraska Methodist, Hattie B. Munroe Convalescent Home and Douglas County hospitals are available for regular or special clinics as needed. Clinics in Psychiatry and Tuberculosis are provided at the Douglas County Hospital. Members of the University Faculty are on the staffs of all these hospitals.

**Hospital Appointments.**—Graduates of the College of Medicine are afforded a wide choice in the selection of internships. Approximately 40 internships are available in the Omaha hospitals and 12 residencies in the major specialties.

**Library and Museum Facilities**

**College of Medicine Library.**—The college library is located in a wing of the Hospital Building and within easy access from the various laboratories, and stands as a vital, common interest to the laboratory and clinical branches of medical instruction. The spacious reading and seminar rooms furnish a most congenial place for students and faculty to work. Accessions, cataloging, and indexing are in charge of a competent, expert librarian. The 53,000 bound volumes and 28,000 unbound pamphlets, reprints, and theses are the result of purchases and acquisitions extending over more than half a century and represent the mature judgment, as to valuable medical literature, of many specialists. There has thus been built up, not only a very valuable research library, but one which offers students abundant opportunities for additional reading and study. More than 400 standard scientific periodicals are on the regular subscription list. The College of Medicine is accumulating all of the publications issued by the Army, the Navy, and the U. S. Public Health Service inspired by World War II.

Incidental to its ordinary functions, the library has in recent years laid emphasis on the acquisition of material of historic interest, including pictures of great medical men, biographies, histories, and surgical instruments. It also keeps a file of reprints from the writings of Nebraska medical authors. Incorporated within the library of the College of Medicine are 2,000 volumes of the Omaha-Douglas County Medical Society,
periodicals of the Nebraska State Medical Society, and private medical libraries of former practitioners of the state.

University Library.—In Lincoln, the University Library, containing more than 420,000 volumes is freely accessible to students and faculty in Omaha. Books may be withdrawn at any time upon demand. Likewise through the Medical College librarian it is possible for short periods to draw upon the resources of the John Crerar Library of Chicago or the Surgeon General's Library at Washington. The State Library of 113,000 volumes at the State Capitol and the Nebraska State Historical Society Library of 50,000 volumes includes valuable medical works in certain lines, series of public documents such as reports of state boards of health and of state hospitals and other institutions.

Museum.—The pathological museum of the College of Medicine contains about 5,000 specimens. Nearly every variety of pathological lesion is represented and the constant addition of fresh material from the large number of autopsies performed continually adds to its interest. In addition to the gross specimens are thousands of microscopic sections and a large collection of wax reproductions of various lesions. A man technically trained in museum preparation is in charge of this museum. The museum is an important and necessary adjunct to the teaching of pathology and of clinical medicine.

The anatomical museum consisting of models, charts, and mounted specimens is housed in the quarters of the department of anatomy, where it is readily accessible to the students of the department.

Fellowships, Graduate Assistantships and Loan Funds

Graduate Assistantships are available to students of exceptional ability to give them opportunity to do research in the medical sciences and fulfill the requirements for a Master of Science or Doctor of Philosophy degree. Fellowships are available to students who qualify for graduate study and research in the medical sciences. Application should be made to the chairmen of departments.

The C. W. M. Poynter Foundation.—The objects and purposes for which the Corporation is organized are: to further and promote in any and every way and by every means, education and research in the field of the medical sciences; to establish lectureships, fellowships and scholarships at the University of Nebraska College of Medicine; to establish, announce and bestow recognition in the form of awards, prizes or otherwise to honor students and others at the University of Nebraska College of Medicine; to stimulate by financial aid or otherwise research at the University of Nebraska College of Medicine; and to do any and every act incident and necessary to the furtherance and accomplishment of the purposes herein above set forth and as authorized by the Laws of the State of Nebraska; all of which shall be undertaken and accomplished as a perpetual memorial to Dr. C. W. M. Poynter in tribute to his services as teacher and professor of Anatomy and Dean of the University of Nebraska College of Medicine.

One such fellowship is now in force at the University of Nebraska College of Medicine.

The following rules concerning the recipient of the Fellowship were approved: This fellowship under the sponsorship of the Poynter Foundation provides a stipend of $1,200 for a period of tenure of ten months,
during which time the recipient will be expected to devote his entire time to research under direction of any of the preclinical or preclinical and clinical departments of the Medical College. Applicants should have completed at least the first two years of medicine and have demonstrated ability and aptitude for investigative work. The recipient may, if desired, become a candidate for an advanced degree in the medical sciences.

The Josephine Chamberlin Loan Fund.—On the retirement of Miss Josephine Chamberlin as Superintendent of the University of Nebraska Dispensary, on June 11, 1946, a fund was established in her honor. From this fund loans are available to students of the College of Medicine and the School of Nursing. Application should be made at the Dean’s office.

The Sidney R. Kent Fellowship in Medicine.—An award of $500 is available annually to the student in the College of Medicine who has made the most outstanding record and who desires to pursue further work in medicine. Such study may be pursued either in the University of Nebraska or elsewhere agreeable to the action of the Committee. Details of this award may be learned on application to the Dean’s office or the Sidney R. Kent Committee of Awards.

The LaVerne Noyes Foundation Scholarships.—This foundation was organized to provide aid for veterans of World War I and their descendants. In accordance with the terms of the will the LaVerne Noyes Foundation established July 5, 1918, by the gift of Mr. LaVerne Noyes, provides for the tuition for students who (1) are citizens of the United States of America and themselves served in the Army or Navy of the United States in the war for liberty into which the Republic entered on April 6, 1917, provided that such service was terminated by honorable discharge, or (2) shall be descended by blood from someone who has served in the Army or Navy of the United States during World War I, and who either is in said service or who’s said service was terminated by death or honorable discharge. (3) Applications based on service records showing enlistment after September 1, 1918, may not be accepted unless extraordinary service was rendered.

LaVerne Noyes Scholarships are awarded usually on a yearly basis. However, recipients may file renewal applications each year. Original and renewal applications should be filed during June and July at the office of Dean of Student Affairs. LaVerne Noyes Scholarships are available to students regularly registered for work at the college level in any college or school of the University. At present, sufficient funds are available to provide tuition not to exceed $50 per semester.

Jetur Riggs Conkling and Jennie Hanscom Conkling Foundation.—The will of the late Clementine C. Conkling provides for the creation of a trust to be known as the “Jetur Riggs Conkling and Jennie Hanscom Conkling Foundation,” the income of which shall be used by the Regents of the University of Nebraska in providing scholarships for deserving medical students. Scholarships may be awarded only after the close of the students’ first year in the Medical College. Applications should be addressed to the Dean.

Omaha Medical College Foundation.—This foundation, created in April 1921, was established largely through contributions received from former professors in the Omaha Medical College. The object of the foundation is to promote the study of medicine and to provide for medical research in the University of Nebraska College of Medicine and to assist worthy students with loans.
Nebraska Federation of Women's Clubs Scholarship Loan.—An annual grant of $200 is made for a loan to a student in the College of Medicine, on the basis of scholarship and financial need.

Kellogg Fund.—In April, 1942 the W. K. Kellogg Foundation of Battle Creek, Michigan, gave the College of Medicine $10,000 to be used as a student loan fund, particularly to meet the emergency created by the accelerated war schedule and the consequent loss of student earnings during the summer. An additional grant of $5,000 was made later in the year.

Students applying for benefits under any of the above funds should file a written application with the dean.

Student and Alumni Organizations

Alumni Association.—Alumni of the University of Nebraska College of Medicine maintain an active organization with headquarters in Omaha. Dr. E. A. Holyoke is secretary.

The alumni of the medical college offer a prize of $50 for the senior thesis of the year judged best by the Examinations Committee.

Alpha Omega Alpha.—A.O.A. is a non-secret medical college honorary society, membership in which is based upon scholarship and moral qualifications.

Elections are made from the students who have completed seven semesters of the four-year medical curriculum and are by unanimous vote of the active members of the Chapter. Not more than one-sixth of any class may be elected to membership. The University of Nebraska Chapter was organized November 2, 1914.

Premedical Society.—A large premedical society has existed for a number of years among the students in the premedical courses at Lincoln. This society meets monthly for an informal evening and to hear addresses by members of the faculty.

A Saturday in May is set aside each year as Premed Day for a visit to the Omaha campus.

Public Service

Public Health.—The College of Medicine stands ready to supply expert advice in cooperation with the state and local departments of health on the general health conditions within the state. Members of the faculty of the College of Medicine will respond whenever possible for addresses on medical subjects of general interest. These addresses are available for teachers' associations, women's club meetings, and the like.

Medical Curriculum

Departmental Hours.—The course of study outlined is constructed in accordance with the recommendations of the Council on Medical Education and Hospitals of the American Medical Association and of the Association of American Medical Colleges. The experience of the best medical colleges of the country has been freely utilized. The University Hospital and Dispensary on the Medical College campus furnish ideal opportunities for bedside clinical instruction in close relation to the scientific departments of the college.
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SOME GLIMPSES FROM THE COLLEGE OF MEDICINE AND SCHOOL OF NURSING AT THE UNIVERSITY OF NEBRASKA

An intern and nurses going on duty at the University Hospital.
Patient receiving X-ray treatment in the Department of Radiology and Physical Therapy.

Below: A group of children under treatment by the Department of Orthopedic Surgery enjoy fresh air and sunlight in front of University Hospital.
Clinical pathological studies of patients are part of the daily routine at University Hospital and form a phase of the instruction for medical students and medical technologists.

Center Page: Aerial view of Omaha campus showing the College of Medicine, School of Nursing, and the University Hospital.

Below: Doctor and nurse leaving the dispensary to make an out-patient house call.
A corner of the Library of the College of Medicine, where students, interns and staff keep abreast of medical progress.

Bedside study of patients in University Hospital forms a vital part of the course of instruction at the College of Medicine.
Following nerve impulses electrically in the Physiology Laboratory.

Intimate details in the care of wounds, an important point of the training given by the Department of Surgery.
Courses of Instruction

In the following departments, courses numbered 1a, b, c, etc., are given in the first medical year; courses numbered 2a, b, c, etc., in the second medical year; courses numbered 3a, b, c, etc., in the third medical year; courses numbered 4a, b, c, etc., in the fourth medical year. Courses numbered 300 carry graduate credit. Roman I indicates courses offered the first semester and II, the second semester.

Anatomy

Professors Latta, Chairman; Poynter, Willard, Emeritus; Holyoke; Associate Professor Grodinsky; Assistant Professors R. R. Best, Garrett; Assistants Kennedy, Nilsson.

In this department instruction is given in gross anatomy, histology, organology, embryology, and neurology. The work of the department extends through the first medical year.

All instruction is based on laboratory work carried out under the supervision of the staff. Lectures covering subjects of broad morphological significance are given before the entire class, but for the discussion of details, in conjunction with laboratory work, the class is subdivided into small groups. Every effort is made to correlate the work in gross and microscopic anatomy.

1. Anatomy.—
   (a) Gross—Dissection of Upper Extremity.—Total 120 hours, second eight weeks. I.
   (b) Gross—Dissection of Head and Neck.—Total 126 hours. II.
   (c) Gross—Dissection of Torso and Perineum.—Total 108 Hours. II.
   (d) Gross—Dissection of Lower Extremity.—Total 54 hours. II.

   The above courses cover dissection of the entire body. This work is carried out in groups of four, each group being assigned a separate room. From time to time table demonstrations and quizzes are required. Through this table teaching the student’s proficiency is increased and calibration of individual progress is made possible.

   (e) Embryology-Histology.—A brief survey of the fundamental facts of vertebrate development as based on chick, pig, and human embryos is first undertaken. This is followed by a study of the histogenesis of the fundamental tissues leading directly to their adult histological structure. Morphogenesis and histogenesis of the various organ systems of the body, excepting the nervous system which is studied independently, are similarly correlated with their adult histological and gross structure and with the relationships shown in gross anatomy. Special emphasis is placed on the study of the blood and blood-forming organs and the organs classified as endocrine which are studied somewhat independently. Total 192 hours. I.

   (f) Embryology-Histology.—Anatomy 1(e) continued. Total 91 hours, first eight weeks. II.

   (g) Neuro-Anatomy.—The gross and microscopic anatomy of the nervous system including sense organs. Study is made of the human brain by means of gross dissection; gross and microscopic sections; gross and microscopic study of the eye, and other sense organs by specially prepared demonstrations. Text and lectures aim to integrate the details of laboratory study into functional systems applicable to later physiological and clinical studies. Lectures and laboratory. Total 117 hours. II.

Anatomy, Elective.—

300. General and Special Methods in Histological Technique.—Principles and practice in general methods of preparation of tissue for histological study; special training given in the fields of the student’s particular interest. Prerequisite: Anat. 1. 2 cr. Dr. Latta, Dr. Holyoke.

301. Special Neurohistological and Experimental Neurological Technique.—Advanced special technical methods of demonstrating the histological structure of nervous tissue and of the experimental approaches to neurological problems. Prerequisite: Anat. 300. 2 cr. Staff.

302. Morphological and Experimental Hematology.—Detailed study of the morphology and interrelationships between the cells of the blood, blood-forming organs and the connective tissues. Experimental studies of the biological significance of the cellular elements of the blood. Prerequisite: Anat. 300. 2 to 5 cr. Dr. Latta.
303A. Comparative and Human Embryology.—Special advanced studies of various features of reproduction and development as illustrated in the departmental embryological collection. Prerequisite: Anat. 300. 3 to 6 cr. Dr. Latta.

303B. Experimental Embryology.—Advanced study and training in the methods employed in analysis of the factors and potentials operative in mammalian development processes. Prerequisite: Anat. 300. 2 to 5 cr. Dr. Holyoke.

304. Advanced Human and Comparative Neuroanatomy and Neurohistology.—Advanced detailed study of the structural organization of the central and peripheral nervous system of man and/or various laboratory animals. Prerequisite: Anat. 301. 2 to 5 cr. Staff.

305. Thesis Research.—Independent investigation of some problem chosen by consultation between the student and the staff. Cr arr. Staff.

306. Seminar.—Presentation of problems and accomplishments of investigations conducted by the graduate students and members of the department with critical discussion. By permission. 1 cr. Staff.

Biochemistry

Professor Morgulis, Chairman; Instructors Jacobi, Wilder

The aim of the instruction in biochemistry is to acquaint the student with the elementary facts of this science with special reference to their application to the problems of clinical medicine. Much stress is laid on training in the necessary technic and the laboratory work affords the students ample opportunity to learn the theory and practice of various biochemical methods.

To further supplement the elementary instruction advanced courses of study are offered to meet the needs of those who desire to extend their study and research in the application of the principles and methods of biochemistry to problems of both clinical and scientific medicine.

The courses given in the Department of Biochemistry presuppose preparation in inorganic, in organic, and in analytical chemistry, and are designed: (1) to give fundamental training in physiological chemistry as required in the regular curriculum of the medical student; (2) to afford students, not candidates for the degree of Doctor of Medicine, the means for obtaining the necessary credits for the degrees of Master of Arts and Doctor of Philosophy; (3) to extend the facilities of the laboratory for special work in selected topics to physicians and students independently of the requirements for a degree. All students who are candidates for a degree are expected to attend Course 2, unless the content of this course has been covered in an acceptable manner elsewhere.

2. Biological Chemistry.—

(a) Physical Chemistry.—In this course various physiological and pathological problems are studied from the point of view of the principles of physical chemistry. Total 84 hours. First six weeks; 5 lectures and 9 hours laboratory per week. I.

(b) Biological Chemistry.—Biochemistry 2a continued and covering: (a) descriptive biochemistry, dealing with the composition of biological materials; (b) dynamic biochemistry, dealing with the action of enzymes, metabolism, dietetics, urine secretion. Various methods for blood and urine analysis are taken up in the practical work of this course, and metabolism experiments carried out by the students constitute an important feature of the laboratory experience. Total 154 hours. Remaining 11 weeks; 5 lectures and 9 hours laboratory per week. I.

Biological Chemistry, Elective.—

300. Metabolism and Nutrition in Health and Disease.—An advanced study in metabolism, including theories of basal metabolism, energy changes in the body, interconversion and the specific dynamic action of foodstuffs, methods used in respiratory metabolism and the relationships between overnutrition and undernutrition to diseases of the blood, kidney, and febrile conditions and endocrine disorders. Prerequisite: Biochem. 2. 2 cr. Dr. Morgulis.

301. Vitamins and Hormones.—History of vitamin discovery, their physiology and pathology, and their relationship to enzymes, hormones and minerals; followed by a detailed study of the various vitamins in which the following are considered: chemical constitution, isolation, synthesis, properties, occurrence, effects of avitaminosis, hypovitaminosis and hypervitaminosis and their clinical significance. Prerequisite: Biochem. 2. 2 cr. Dr. Morgulis.
302. Enzymes.—This course deals with the chemical nature of enzymes, the methods for their isolation, the kinetics of enzyme reactions, and the biological properties of enzymes; followed by a discussion of the chemistry of individual enzymes, method of preparation, and physiological action, together with the clinical significance of individual enzymes. **Prerequisite:** Biochem. 2. 1 cr. Staff.

303. Seminar.—Crr. Staff.

304. Research.—Crr. Staff.

**Dermatology and Syphilology**

Professor Tomlinson, Chairman; Assistant Professors Cameron, Wilson

A thorough foundation in dermatology and syphilology is laid by lectures, quizzes, and demonstrations. At the University Dispensary the students are brought in personal contact with patients whom they observe throughout their entire care under the supervision of the attending physician. A large and carefully selected collection of plates and photographs is available for lantern use.

3. Dermatology.—
   (a) **Fundamentals.**—General classification of skin diseases, with lectures and quizzes on anatomy, histology, physiology, pathology, general symptomatology, etiology, diagnosis and treatment. 1 hour weekly. Total 17 hours. II.

4. Dermatology and Syphilology.—
   (a) **Dispensary Clinic.**—Lectures and clinics supplementary to Derm. 3, with emphasis placed on the diagnosis and treatment of the more common dermatoses. Demonstration of the various clinical manifestations of syphilis, with discussion of diagnosis and principles of treatment. 1 hour weekly. Total 34 hours. I, II.
   (b) **Dispensary.**—Two weekly 2-hour clinics are held at the University Dispensary. Fourth-year students are assigned to these clinics for practical experience in the diagnosis of skin diseases and the treatment of syphilis. 4 hours weekly. Total 20 hours. I, II.

**Internal Medicine**

Professors Lueth, Acting Chairman, Bliss, Skinner, Emeritus, Allen, Conlin, Hall, Pratt; Associate Professors Dunn, MacQuiddy, Moody, Moser, Niehaus, W. Thompson; Assistant Professors Andersen, Beber, G. N. Best, Kirk, McCarthy, Margolin, Rubnitz, Simmons, C. Q. Thompson; Instructors Brazer, Cloyd, Frandsen, Greene, Hull, Lewis, Nickum, Pepper, Priehard, C. E. Thompson, Wright, Wyrens, G. A. Young, Jr.; Clinical Assistants, Buchholz, Lenhoff.

2. Internal Medicine.—
   (a) **History Taking and Physical Examination.**—Examination of the complete body by the use of the special senses and a minimum of apparatus. In the latter part of the course clinical cases are studied. 1 hour lecture. Total 17 hours. II.
   (b) **Symptomatology.**—Lecture and quiz course. The essential principles of medicine, the physiology and clinical interpretation of some of the more common symptoms. Total 17 hours. II.

3. Internal Medicine.—
   (a) **Physical Diagnosis.**—Presentation of clinical cases from the standpoint of pure observation without the aid of laboratory procedures or mechanical tests other than the stethoscope and the blood pressure apparatus with consideration given to the matter of constitutional characteristics of the patient. Total 17 hours. I.
   (b) **Fundamentals of Medicine.**—This course consists of a series of special lectures on important subjects of medicine, combined with small group quiz sections on textbook assignments. One lecture and two quizzes weekly. Total 102 hours. I, II.
   (c) **Clinical Clerk.**—Assignment to clinical cases in the hospital for complete history, physical examination, laboratory tests, progress notes, and presentation at regular staff rounds and clinics. Two groups of 10 students each are assigned to the University Hospital and County Hospital for a period of 9 weeks, 7 hours weekly. Total 63 hours. I, II.
   (d) **Hospital and Dispensary Clinic.**—Presentation of selected cases to illustrate diagnosis and treatment with particular emphasis on tuberculosis and nutrition. 68 hours. I, II.
   (e) **Therapeutics.**—Emphasizing treatment in internal medicine with clinical demonstrations of the use of drugs and other therapeutic measures. 1 hour weekly. Total 17 hours. II.
4. Internal Medicine.—

(a) Dispensary.—Regular assignment to dispensary clinic, where senior students are given assignment and responsibility in the diagnosis and treatment of ambulant patients of the type seen in the office. 8 hours weekly. Total 96 hours. I, II.

(b) Out-Call.—Fourth-year students are assigned to answer calls requiring a visit to the homes, when the patients are unable to attend the dispensary. Daily supervision is maintained and home visits are made by the attending staff on all difficult or serious cases. 16 hours weekly. Total 128 hours. I, II.

(c) Hospital Clinic.—Presentation of selected cases from the hospital service. 2 hours weekly. Total 68 hours. I, II.

(d) Diagnostic Problems.—The medical, surgical, and personality features of the more common disease entities are discussed in hospital cases, the aim being to instruct the student to consider the clinical case from a broader and more comprehensive aspect. 17 hours. I.

(e) Tropical Medicine.—Distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians. The epidemiology and epizooepidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control, and suppression of the same. 1 hour weekly. Total 17 hours. II.

(f) Medical Review.—Review of medicine based upon current literature and systematic presentation of diseases. Reference reading assignments and abstracting of recent articles. 1 hour weekly. Total 17 hours. II.

(g) Therapeutics.—Continuation of Internal Medicine 3e. 1 hour weekly. Total 17 hours.

(h) Health Examinations.—Health examinations and compensation medicine, in which a study is made of forms pertaining to health used in various government agencies. 17 hours.

Medical Jurisprudence

Instructor Spier

The course in medical jurisprudence has for its purpose the presentation of medico-legal relationships in order that the student may be familiar with that increasingly pertinent phase of professional life and practice. This course is a comprehensive survey of the medico-legal field and a detailed analysis and study of that science which applies the principles and practice of medicine to the elucidation and settlement of legal questions which arise in everyday professional practice as well as in courts of law.

4. Medical Jurisprudence.—

Physicians' contracts, general medico-legal relations, identity and survivorship, medical legislation, expert testimony, privileged communications, malpractice, and the physician's status on quasi-judicial commissions and boards are some of the subjects discussed. Total 17 hours. I.

Neurology and Psychiatry

Professor G. A. Young, Sr., Emeritus; Associate Professors A. E. Bennett, H. A. Wigton; R. H. Young; Instructors Cash, Gysin, R. S. Wigton.

Training in neurology and psychiatry is planned under its two separate divisions of psychiatry and neurology. The courses of instruction are arranged to give the student, from the freshman year on, progressive, systematic training in the anatomical, physiological, pathological and psychological fundamentals of neurology and psychiatry. The departments of anatomy, physiology and pathology cooperate in giving the first and second-year students special instruction in the anatomy, histology, physiology and pathology of the central nervous system. Lectures in psychobiology begin in the freshman year to emphasize the importance of personality development in its relations to both normal and abnormal body functioning. The presentation of clinical material with interpretation of symptomatology and instruction in methods of treatment is carried out during the third and fourth-year courses in the University and Douglas County Hospitals.

1. Neurology and Psychiatry.—

(a) Psychiatry.—Lectures on psychobiology, an introduction to principles of personality development. 1 hour weekly. Total 17 hours. II.

1 Absent on leave.
3. Neurology and Psychiatry.—
(b) Psychiatry.—Lectures and clinical demonstrations covering the field of psychiatry. Total 17 hours. I.
(c) Neurology.—Lectures and quiz-lectures covering methods of case taking, etiology, pathology, symptomatology, and treatment of the organic and functional nervous diseases. Total 17 hours. II.
(d) Clinical Clerk.—Cases from the University Hospital and Douglas County Hospital neuro-psychiatric departments are assigned to third-year students for complete case study and presentation before clinics. 6 hours weekly. Total 24 hours. I, II.

4. Neurology and Psychiatry.—
(a) Hospital Clinic.—In this clinic, cases of neurologic and psychiatric types are presented for the purpose of demonstrating the main forms of neurologic and psychiatric disorders and to allow a discussion of their treatment and their relations to the field of general medicine. 2 hours weekly. Total 68 hours. I, II.
(b) Dispensary.—Clinics are held at the dispensary to which fourth-year students are assigned for practical work in the diagnosis and treatment of ambulant patients. A special clinic is held on the subnormal child. 4 hours weekly. Total 16 hours. I, II.

Obstetrics and Gynecology

Professors Sage, Chairman; Pollard, Emeritus; Taylor; Associate Professor MccOogan, Secretary; Assistant Professors Anderson, Findley, Moon, Stearns; Instructors Collins, Reaney, Redgwick, Stastny, Vroman; Clinical Assistant, Kovarik.

The instruction in obstetrics and gynecology consists largely of practical demonstrations in the University Hospital, the dispensary, and the out-call service. In these clinics the student is trained in clinical diagnosis and treatment. The University Hospital affords abundant opportunity for the assignment of obstetric cases to members of the third-year medical class under direction. The prenatal clinic at the dispensary provides an excellent opportunity for both third- and fourth-year students to learn the proper care of the expectant mother. After a didactic review of the principles of obstetrics, the junior student is assigned to serve as assistant to the intern or house officer in the care of a patient during labor. He is next assigned the responsibility of a patient in the home delivery suite. This unit serves to familiarize the student with home conditions yet does not divorce him from the ready consultation and assistance of the hospital staff. During the fourth year the medical students carry on the out-call home delivery service under direct supervision of a member of the obstetric staff. Complete written reports of all cases attended are required and each student must have a record of 12 cases of confinement before graduation.

2. Obstetrics and Gynecology.—
(a) Physiology of Pregnancy.—Anatomy and physiology of the female genital organs in their relation to normal pregnancy, labor, and the puerperium. Physiology and care of the newborn child. 2 hours weekly. Total 34 hours. II.

3. Obstetrics and Gynecology.—
(b) Physiology and Pathology of Pregnancy.—Abnormalities and complications of pregnancy, labor, puerperium, and the newborn child. 2 hours weekly. Total 68 hours. I, II.
(c) Clinical Clerk.—A third-year student is assigned to each obstetric case entering the University Hospital and is required to follow the progress of labor, assist at delivery, and maintain a complete record until discharge from the hospital. As a correlation of maneuvers observed on actual cases in the delivery rooms, 2 hours weekly are used in practice on the manikin. 6 hours weekly. Total 24 hours. I, II.
(d) Gynecology.—Surgical conditions affecting pregnancy and the postpartum period. Lacerations, infections, relaxations, malposition, and tumors affecting the uterus. 1 hour weekly, lecture or clinic. Total 34 hours. I, II.

4. Obstetrics and Gynecology.—
(a) Dispensary.—Fourth-year students are assigned to the dispensary prenatal clinic and the gynecology clinic, where they assist in prenatal care and gynecologic examination and treatment. 10 hours weekly. Total 38 hours. I, II.
(b) Out-Call Deliveries.—Two fourth-year students are assigned to each home delivery. Their work is carefully supervised by a member of the staff, and they are assisted in the home by a competent nurse. Each case is carefully followed during the postnatal period and a final report submitted. Approximate total time 24 hours.
300. Advanced Obstetrics and Gynecology.—Seminars, conferences, lectures and demonstrations designed to familiarize the student with the applications of basic science to the field of obstetrics and gynecology. The student will be required to evaluate the clinical condition of the patient, write records of his findings and recommendations, and outline a program of treatment to be carried out under supervision. 4 cr. Staff.

301. Gynecological Pathology.—An advanced course in gross and microscopic pathology in the field of obstetrics and gynecology, including the physiological variations encountered in the reproductive cycle. A written discussion of all clinical, surgical, and autopsy specimens in the field of obstetrics and gynecology is required. 2 cr. Dr. Tollman, Staff.

302. Anatomy.—Special dissection and study to cover the basic science aspects of anatomy and embryology as applied to obstetrics and gynecology. This work will be special dissections, reading, and histologic study of the generative tract. 3 cr. Dr. Latta, Dr. Holyoke, Staff.

303. Gynecological Radiology.—Readings, demonstrations, clinics and seminars designed to show the application of radiographic and radio-therapeutic principles and procedures to obstetrics and gynecology. Conducted in conjunction with the department of radiology, this course gives experience in radiographic techniques, the interpretation of films, and the use of X-ray and radium. Independent reports will be required. 1 to 3 cr. Dr. Hunt, Staff.

304. Advanced Course in Gynecological Surgery.—Personal conferences, discussions, and demonstration of the principles and technique of gynecological surgery. The nature of the material covered will depend upon the student's aptitude and experience. 3 cr. Staff.

305. Special Problems and Thesis.—The student will select or be assigned special research problems in the basic science fields as applied to obstetrics and gynecology, including laboratory studies, literature analysis, and clinical evaluation of problems. Cr arr. Staff.

Ophthalmology

Professor J. H. Judd, Chairman; Associate Professor Gifford; Assistant Professors Morrison, Rasgorshek; Instructors Alliband, Steinberg.

3. Ophthalmology.—

(a) Medical Ophthalmology.—The didactic course consists of demonstrations and lectures on diseases of the eye, including ocular changes in general diseases. The lectures are illustrated by cases, diagrams, charts and slides. The course is supplemented by textbook work and quizzes. 1 hour weekly. Total 17 hours. II.

(b) Clinical Clerk.


(a) Dispensary.—Students are regularly assigned to the dispensary clinic for practical experience in the diagnosis and treatment of eye conditions. This course includes a drill in the principal uses of the ophthalmoscope and other instruments employed in the diagnosis of diseases of the eye. 8 hours weekly. Total 32 hours. I, II.

Orthopedic Surgery

Professor Schrock, Chairman; Associate Professor Johnson; Instructor C. H. Waters, Jr.; Clinical Assistant Tipton.

3. Orthopedic Surgery.—

(a) Lecture Clinic.—Disease of bones and joints, synovial membranes and bursae. Congenital, acquired, and disease-producing deformities. Prevention of deformities and dystrophies with principles of treatment. Illustrated by photographs, slides, etc. 1 hour weekly. Total 17 hours. II.

(b) Clinical Clerk.—Students are assigned to hospital cases for complete history, physical examinations, and progress notes. Total 9 hours. I, II.
4. Orthopedic Surgery.—
(a) Dispensary.—Two weekly 2-hour clinics are held at the dispensary, to which fourth-year students are assigned for practical work in the diagnosis and treatment of orthopedic cases. 4 hours weekly. Total 8 hours. I, II.

Otorhinolaryngology

Professors Rubendall, Chairman, Califas, Potts, Emeritus; Associate Professor J. C. Davis; Assistant Professors Cassidy, Haney; Clinical Assistant Heine.

3. Otorhinolaryngology.—
(a) Diseases of Ear, Nose, Throat, and Larynx.—Use of head mirror taught in normal conditions. Student familiarized with different appearances of eardrums and conditions underlying them. Common diseases of ear and mastoid. Principles of functional examination of ear. Physiology, general principles of pathology, diagnosis, and treatment of the more frequent diseases of the nose, throat, and larynx. 1 hour weekly. Total 17 hours. II.
(b) Clinical Clerk.—Third-year students are assigned to University Hospital cases for complete history, physical examinations, and progress notes. Total 6 hours. I, II.

4. Otorhinolaryngology.—
(a) Dispensary.—Clinics are held twice weekly at the University Dispensary. Fourth-year students are regularly assigned for practical work in the diagnosis and treatment of ear, nose, and throat diseases. Conferences are held regularly during these hours. 6 hours weekly. Total 24 hours.

Pathology and Bacteriology

It is the aim of this department to acquaint the student with the material changes which cause, or are caused, by disease, including, in bacteriology, a study of the character and host relationships of disease-causing microorganisms, and, in clinical pathology, a study of laboratory methods as related to diagnosis.

1. Bacteriology.—
(a) Medical Bacteriology and Clinical Parasitology.—Lecture and laboratory course on the cultural characteristics, pathogenic properties, immunological responses, etc., of bacteria, fungi, viruses and Rickettsia in general, with special reference to those of importance in disease. The course also provides a consideration of Clinical Parasitology and deals with Protozoa, Helminths and Arthropods of medical importance. Total 224 hours. I.

2. Pathology.—
(a) General Pathology.—Lecture and laboratory course on the study of general disease processes. It comprises a study of the general principles of pathology and of disease processes in detail, in classroom and laboratory. 119 hours laboratory, 85 hours class work. Total 204 hours. II.

Clinical Pathology

The aim of these courses is to emphasize the application of pathological principles to the study of clinical patients. This is accomplished through lectures which emphasize correlation of pathology and symptomatology, and by the teaching of laboratory methods which are in general use in the study of patients. Detailed discussion of the cases assigned in the clinical clerk services gives particularized application for the individual students. Experience in laboratory procedures is continued by dispensary assignments in the senior year amounting to about 30 hours.

2. Clinical Pathology.—
(b) Clinical Laboratory Methods.—Laboratory diagnostic tests with particular attention to the procedures which the physician can readily perform in a small laboratory. Use of these procedures in the study of clinical patients is emphasized. 5 hours weekly. 17 hours lecture, 68 hours laboratory. Total 85 hours. II.

1 Absent on leave.
3. Clinical Pathology.—
   (a) Clinical Pathology.—Systematic disease, with emphasis on correlation of pathology and symptoms using gross and microscopic pathologic material. Particular attention is given to interpretation and correlation of all laboratory procedures. 34 hours lecture. I.
   (b) Hospital Laboratory.—Regular assignment on clinical clerk service for practical work and discussion of cases. 4 hours weekly. Total 68 hours. I.
   (c) Clinical Pathology Conference.—Selected cases are discussed from the standpoint of correlation of clinical observations with radiological and pathological findings. Whenever possible these cases parallel the lectures given in clinical departments. 1 hour weekly. Total 34 hours. I, II.

4. Pathology.—
   (a) Necropsies.—Fourth-year students are assigned to necropsies in succession for detailed study and analysis, with presentation to the class in which interpretation of symptoms and findings and a review of pertinent literature is emphasized. Total 68 hours. I, II.

PUBLIC HEALTH

Instruction in public health is given to second-, third- and fourth-year students. These courses aim at giving the students a sound understanding of the principles of disease prevention and health maintenance and of giving them practical experience in the dispensary and in the field. Special emphasis is laid on the growing responsibilities of the physician in this regard to his patients and the public at large.

2. Public Health.—
   (c) Hygiene.—The relationship between water, food, air, soil, waste disposal, etc., and the development of disease in both urban and rural conditions. Reports of inspection of industrial and public service plants and methods. Total 17 hours. II.

3. Public Health.—
   (d) Hygiene.—Continuation of Hygiene 2(c): Total 17 hours. I.

4. Public Health.—
   (b) Public Health Administration.—Medical practice in relation to public health agencies, social histories, environment and disease, special methods of preventive medicine, as quarantine, immunization, and disinfection. 2 hours weekly. Total 34 hours. I.

Pathology and Bacteriology, Electives.—

300. Physiology of Bacteria.—Nutritive requirements of bacteria, growth, metabolism, enzymes, dormancy and death. Determinative bacteriology. Prerequisite: Bact. 1. 5 cr. Dr. Gunderson.

301. Public Health Bacteriology.—The facilities of the diagnostic laboratory, with its turnover of at least 5,000 diagnostic tests per annum are available for this course.
   a. Study of diagnostic techniques. Hospital laboratory diagnosis. Prerequisite: Path. and Bact. 300. 5 cr. Dr. Tollman, Dr. Gunderson.
   b. Immunology. Laws of hemolysis, antigen-antibody relationships, blood grouping, anaphylaxis. Prerequisite: Path. and Bact. 300. 3 cr. Dr. Tollman, Dr. Gunderson.

302. Molds, Yeast, and Actinomycetes.—A study of fungi of medical importance; their morphological and immunological characteristics. With emphasis on the recognition and diagnosis of those producing mycotic infections in man. Prerequisite: Path. and Bact. 300. 3 cr. Dr. Gunderson.

303. Filterable Viruses.—Character, nature and transmission of viruses. Important human virus diseases. Prerequisite: Path. and Bact. 300. 3 cr. Dr. Gunderson.

304. Applied Bacteriology.—Bacteriology of sanitation. Food bacteriology. Prerequisite: Path. and Bact. 300. 3 cr. Dr. Gunderson.

305. Medical Parasitology and Tropical Diseases.
b. Diseases of animals transmissible to man. Plague, Tularemia, Undulant Fever, Typhus, Spotted Fever, etc. Prerequisite: Path. and Bact. 300.

a. and b. 3 cr. Dr. Gunderson.

306. Autopsy Pathology.—In addition to participation in autopsies, the student will study in detail both gross and microscopic tissue changes, and will correlate these with clinical findings. Prerequisite: Path. 2. 5 cr. Dr. Tollman.

307. Pathology of Tumors.

a. An intensive course in oncology, with special attention to the morphology, derivation, and course, of various tumors. Prerequisite: Path. and Bact. 306. 3 cr. Dr. Eggers.
b. Studies of bone tumors. Prerequisite: Path. and Bact. 307a. 2 cr. Dr. Eggers.
c. Studies of tumors of the nervous system. Prerequisite: Path. and Bact. 307a. 2 cr. Dr. Eggers.

308. Etiology of Tumors.—This will be a general study of the subject of tumor etiology with special emphasis on the phases represented by the investigative work carried on by the student. In large part this will be carried on by study of the periodical literature. Prerequisite: Path. and Bact. 306. 1 cr. Dr. Eggers.

309 (301). Seminar.—By permission. 1 cr. Staff.

310 (300). Research.—Cr arr. Staff.

Pediatrics

Professors Henske, Chairman, J. C. Moore; Associate Professors Gedgoud, Jahr, Robertson; Assistant Professors E. W. Bantin, Clark; Instructors C. F. Bantin, Hancock, Klock, Morrow, Tompkins.

2. Pediatrics.—

(a) GROWTH AND DEVELOPMENT.—Diseases of newborn. Lectures and clinic. 1 hour weekly. Total 17 hours. II.

3. Pediatrics.—

(b) INFANT NUTRITION.—Infant feeding, deficiency diseases, disorders of metabolism. 2 hours weekly. Total 34 hours. I.

(c) COMMUNICABLE DISEASES.—Lectures and clinics at Contagious Hospital. 1 hour weekly. Total 17 hours. II.

(d) CLINICAL CLERK.—Students are assigned to University Hospital cases for complete history, physical and laboratory examinations, with requirement of progress notes and presentation at staff rounds and clinics. 6 hours weekly. Total 24 hours. I, II.

4. Pediatrics.—

(a) GENERAL PEDIATRICS.—Clinics and lectures on all aspects of pediatrics, utilizing clinical material within the hospital and out-patient departments. Behavior problems. 1 hour weekly. Total 34 hours. I, II.

(b) DISPENSARY AND OUT-CALL.—Four weekly 2-hour clinics are held at the dispensary to which fourth-year students are assigned for practical work in the diagnosis and treatment of ambulant cases. All children enter the dispensary through the pediatric clinics. Special clinics utilizing postnatal cases, and rheumatic heart cases are held each week. Supervised home visits are made to pediatric patients unable to attend dispensary. 10 hours weekly. Total 40 hours. I, II.

Physiology and Pharmacology

Professors McIntyre, Chairman, A. L. Bennett; Assistant Professor F. L. Dunn; Instructor Müller; Assistant A. L. Dunn, Tullar; Graduate Assistants.

The general courses in physiology and pharmacology stress the fundamental principles underlying living processes. The experimental evidence for present theories is examined and the application of these concepts to the study of abnormal physiology and to pharmacology is emphasized. Special instruction is provided in advanced physiology and pharmacology for students seeking higher degrees.

2. Physiology and Pharmacology.—

(a) PHYSIOLOGY GENERAL COURSE.—Muscle and nerve, central nervous system, circulation, digestion, metabolism, and special senses. Lectures, demonstrations, and conferences. Total 85 hours. I.
(b) **Physiology Laboratory Course.**—Practical course in conjunction with Physiol. and Pharmacol. 2a. Total 136 hours. I.

(c) **Physiology and Pharmacology General Course.**—Physiology of the kidney; physiology of the autonomic nervous system; physiology of the action of drugs; endocrinology; the vitamins; and prescription writing. Lectures, demonstrations, and conferences. Total 85 hours. II.

(d) **Physiology and Pharmacology Laboratory Course.**—Practical course in conjunction with Physiol. and Pharmacol. 2c. Total 136 hours. II.

**Physiology and Pharmacology, Electives.**—

300. **Technique in Experimental Physiology and Pharmacology.**—This course consists of instruction in surgical procedures on mammalia, reptilia, and amphibia and the preparation of organs and tissues in *situ* and *ex situ* for experimental study; instruction in the construction, manipulation and operation of apparatus. *Prerequisite:* Physiol. and Pharm. 2. 3 cr. Dr. McIntyre and Staff.

301. **Special Physiology and Pharmacology.**

a. Advanced Physiology and Pharmacology. *In Vivo* aseptic preparations; instruction in the fundamental techniques of aseptic surgery for the preparation of animals for study, and their post-operative care. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. Bisgard.

b. Advanced Physiology and Pharmacology. *In Vivo* preparations. The preparation of tissues for *in vitro* metabolism studies, perfusion of organs, isolated heart preparations, isolated smooth and striated muscles, myography, electromyography, cardiology, oncometry, and plethysmographic studies. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. McIntyre.

c. Preparation of nerve for action-potential studies and other phenomena associated with nerve activity; the electrostatic voltmeter, the cathode ray oscillograph, direct-current amplification; the modification of nerve activity by chemical and physical agents. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. Bennett.

302. **Advanced Pharmacology.**

a. Toxicology. The recognition of poisons in the body. The quantitative determination of toxic substances in necropsy materials and excreta; polarigraphic quantitative determination of metallic ions present in tissues. Qualitative and quantitative tests for alkaloids by polarigraphic and other methods. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. McIntyre.

b. Bioassay. The assay of drugs and hormones and so-called vitamins by biometric methods, including standardization of drugs and biologically active substances. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. McIntyre.

303. **Vitamin and Endocrine Studies.**

a. The "Deficient State." Animal experiments on diets deficient in accessory food factors; avitaminosis; physico-chemical properties of accessory food factors; isolation and purification of accessory food factors. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Staff.

b. The endocrine system. Studies in hypo- and hyper-normal hormonal activity; techniques for extirpation of glands of internal secretion. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. McIntyre.

304. **Application of Physiology and Pharmacology to Clinical Problems.**—Electrocardiography, electrostethoscopy, metabolic rates. Study of neuro-muscular lesions by physiological methods; application of endocrinology to obstetrics and gynecology and medicine; special use of drugs and their diagnostic and therapeutic use in clinical problems. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. By arrangement with the Chairman of the Department.

305. **Special Applications of Physiology and Pharmacology to "War Medicine and Surgery.**"—Physiological principles in shock therapy; low pressure low O₂ tension and high altitude aviation; high pressure and caisson disease; chemical warfare and industrial poisons. *Prerequisite:* Physiol. and Pharm. 300. 1 cr. Dr. Bennett, Dr. McIntyre, Dr. F. L. Dunn.

306. **Seminar.**—1 cr. Staff.

307. **Research in Physiology and Pharmacology.**—Cr arr. Staff.
Radiology and Physical Therapy

Professor Hunt, Chairman; Instructors McAvin, R. C. Moore

The principles of radiology and physical therapy are presented during the second semester of the second medical year and first semester of third medical year by means of lectures, demonstrations, and conferences. The application and clinical correlation of roentgenologic studies are presented during the third medical year in connection with the clinical clerkship. A weekly tumor clinic is conducted in the department by the tumor study group which provides correlation of clinical manifestations, histopathology, and treatment in the case of individual tumor cases assigned to students in the clinical clerk service.

2. Radiology and Physical Therapy.—
   (a) PRINCIPLES OF RADIOLOGICAL DIAGNOSIS.—1 hour weekly. Total 17 hours. II.

3. Radiology and Physical Therapy.—
   (a) CLINICAL CLERK.—Students are assigned to University Hospital cases for complete case study. Total 6 hours. I, II.
   (b) PRINCIPLES OF RADIOTHERAPY AND PHYSICAL THERAPY.—1 hour weekly. Total 17 hours. I.

Radiology and Physical Therapy, Electives.—
300. Advanced Work in the Application of Radiology to the Diagnosis and Treatment of Disease.—Prerequisite: Radiol. 2 and 3. 3 to 5 cr. Dr. Hunt.
301. Analysis of Assigned Problems in Clinical and Laboratory Radiology.—Prerequisite: Radiol. 2 and 3. 3 to 5 cr. Dr. Hunt.

Surgery


The courses in surgery aim to give the student a thorough understanding of the principles of surgical pathology, surgical diagnosis, surgical indications and treatment, and do not attempt, in the undergraduate courses, instruction in major surgical operative technic. Minor surgical technic is taught in the clinical clerk service and dispensary, including numerous practical exercises in surgical asepsis. It is intended that the intern service prepare the student to perform such operations as would come to the practitioner as emergencies or in the course of general work. Preparation for the practice of general surgery requires additional postgraduate work as a resident or assistant in surgery.

3. Surgery.—
   (a) FUNDAMENTALS OF SURGERY.—A series of special lectures, quizzes and clinical demonstrations on important subjects of surgery, supplementary to the text. 2 hours weekly. Total 68 hours. I, II.
   (b) CLINICAL CLERK.—Students are assigned to University Hospital cases for complete history, physical and laboratory examinations, with requirement of progress notes, presentation at staff rounds and clinics and practical experience in surgical asepsis at operations. 6 hours weekly. Total 24 hours.
   (c) CLINICS.—University Hospital. Presentation of selected cases to illustrate current lectures and textbook assignments. 1 hour weekly. Total 34 hours. I, II.
   (d) SURGICAL TECHNIC.—Bandaging, dressings, drains, sutures, closure of wounds. Local anesthesia. Total 17 hours. II.

4. Surgery.—
   (a) DISPENSARY.—Regular assignment to dispensary and outcall where students are given practical experience in the diagnosis of ambulant, home and hospital patients, with practical experience in anesthesia. 8 hours weekly. Total 32 hours. I, II.
   (b) HOSPITAL CLINIC.—Presentation of selected cases to illustrate surgical diagnosis, operative indications, and postoperative care. 1 hour weekly. Total 34 hours. I, II.
   (c) FRACTURES AND DISLOCATIONS.—Lecture, quiz, and demonstration course on fractures and dislocations. X-ray diagnosis with application of splints and casts. 1 hour weekly. Total 34 hours. I, II.
Urology

Professor Edwin Davis, Chairman; Associate Professor Owens; Assistant Professor Adams; Instructors Lee, Martin; Clinical Assistant Distefano.

3. Urology.—
(a) CLINICAL CLERK.—Students are assigned to University Hospital cases for complete case study. Total 6 hours. I, II.

4. Urology.—
(a) DISPENSARY.—One clinic is held each week to which students are assigned for practical experience in the diagnosis and treatment of urogenital diseases. 4 hours weekly. Total 12 hours. I, II.
(b) FUNDAMENTALS OF UROLOGY.—Lectures and clinics on diseases of the urogenital system. 1 hour weekly. Total 17 hours. II.
### Internship Appointments—March 1946 Seniors

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adamson, John Anton</td>
<td>U. S. Naval Hospital, Long Beach, California</td>
</tr>
<tr>
<td>Arnot, Charles William</td>
<td>Worcester City Hospital, Worcester, Massachusetts</td>
</tr>
<tr>
<td>Barnmore, John Lucian</td>
<td>Springview University Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Barratt, William Claire</td>
<td>LaJolla, California San Diego County General Hospital, San Diego, California</td>
</tr>
<tr>
<td>Berman, Jack L.</td>
<td>Hartford Municipal Hospital, Hartford, Connecticut</td>
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<tr>
<td>Barta, Lloyd Leslie</td>
<td>DeWitt Medical College of Virginia Hospital, Richmond, Virginia</td>
</tr>
<tr>
<td>Blattspieler, Lucian Harding</td>
<td>Tobias New Rochelle Hospital, New Rochelle, New York</td>
</tr>
<tr>
<td>Blinn, Kenneth Adams, B.Sc. in Med. 1943</td>
<td>Hospital of the Good Samaritan, Los Angeles, California</td>
</tr>
<tr>
<td>Boelter, William Carl</td>
<td>Omaha Medical College of Virginia Hospital, Richmond, Virginia</td>
</tr>
<tr>
<td>Boughn, Joseph Kent</td>
<td>Cloquet, Minnesota Cloquet, Minnesota Milwaukee County Hospital, Milwaukee, Wisconsin</td>
</tr>
<tr>
<td>Boulden, Roger William</td>
<td>Omaha Hastings College 1943</td>
</tr>
<tr>
<td>Bugh, Vernon George</td>
<td>Fairbury Jefferson Davis Hospital, Houston, Texas</td>
</tr>
<tr>
<td>Carter, Billy June, B.Sc. in Med. 1944</td>
<td>Chappell Clarkson Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Chesnut, Robert Ashley</td>
<td>Kearney Philadelphia General Hospital, Philadelphia, Pennsylvania</td>
</tr>
<tr>
<td>Chinburg, Kenneth George</td>
<td>Craig St. Elizabeth's Hospital, Washington, D.C.</td>
</tr>
<tr>
<td>Conlin, Frank Dixon, A.B. 1945</td>
<td>Omaha Methodist Hospital, Dallas, Texas</td>
</tr>
<tr>
<td>Davis, Edwin, Jr., A.B. Swarthmore 1943</td>
<td>Omaha Boston City Hospital, Boston, Massachusetts</td>
</tr>
<tr>
<td>Davis, James Allan, B.Sc. 1945</td>
<td>Omaha Nebraska Methodist Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>DeBusk, Jack Samuel, A.B. 1944</td>
<td>Fairbury Harris Memorial Methodist Hospital, Fort Worth, Texas</td>
</tr>
<tr>
<td>Dickerson, William John</td>
<td>Butte Flower and Fifth Avenue Hospital, New York City</td>
</tr>
<tr>
<td>Ekwall, Merton Leon, B.Sc. Nebraska Wesleyan Univ. 1943</td>
<td>Norfolk U. S. Naval Hospital Beaufort, Parris Island, South Carolina</td>
</tr>
<tr>
<td>Filkins, Jack Clayton, B.Sc. Univ. of California 1942</td>
<td>Ohio Boston City Hospital, Boston, Massachusetts</td>
</tr>
<tr>
<td>Francis, Marvyn Bliss, A.B. 1929</td>
<td>Bancroft Nebraska Methodist Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Geesaman, Richard Elliott</td>
<td>Fort Calhoun Nebraska Methodist Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Guard, Harold LeeRoy, A.B. Hastings College 1941</td>
<td>Aurora Nebraska Methodist Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Hathaway, Dale Caldwell, A.B. Knox College 1942</td>
<td>Hamilton, Illinois West suburban Hospital, Oak Park, Illinois</td>
</tr>
<tr>
<td>Heise, Robert Herman, A.B. 1942</td>
<td>Missouri Valley, Iowa St. Francis Hospital, Pittsburg, Pennsylvania</td>
</tr>
<tr>
<td>Hinrichs, Edward John, B.Sc. Midland 1932</td>
<td>Bruning Nebraska Methodist Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Holm, Robert Charles, A.B. Hastings 1938</td>
<td>Hastings Immanuel Hospital, Omaha, Nebraska</td>
</tr>
</tbody>
</table>
Name                  Home Address
Horner, George Martin, A.B. 1944                      Ainsworth
Charles T. Miller Hospital, St. Paul, Minnesota
Hood, Leo Thomas, B.Sc. in Bus. Adm. 1942, A.B. Omaha University 1943     Omaha
Inman Hospital, Omaha, Nebraska
Hubbard, Theodore Franklin                Columbus
Research and Education Hospital, Chicago, Illinois
Hughes, Robert Hunter                      Hastings
Presbyterian Hospital, Philadelphia, Pennsylvania
Jones, Richard Arthur, A.B. 1944                 Bridgeport
Research and Education Hospital, Chicago, Illinois
Kalmansohn, Richard Warren                  Omaha
Mount Zion Hospital, San Francisco, California
King, Ray Ernest, A.B. Omaha Univ. 1939, Ph.D. 1946    Omaha
University Hospital, Omaha, Nebraska
Kline, Nat Daniel, B.Sc. in Med. 1945          Lincoln
Presbyterian Hospital, Denver, Colorado
Langdon, Edward, B.Sc. in Med. 1944           Albion
Henry Ford Hospital, Detroit, Michigan
Larson, Sherwood Lee, A.B. 1944             Cheyenne, Wyoming
Grant Hospital, Chicago, Illinois
Latenser, John Francis                      Omaha
Presbyterian Hospital, Denver, Colorado
Laws, John Fred                               Sedalia, Missouri
Research and Education Hospital, Chicago, Illinois
Leonard, Kermit Louis, B.Sc. in Med. 1945  Bassett
Emanuel Hospital, Portland, Oregon
Ludwick, Robert Warring, A.B. 1944            Lincoln
Germantown Hospital, Philadelphia, Pennsylvania
MacQuiddy, Ernest Lynn, Jr., A.B. Princeton 1944    Omaha
University Hospital, Ann Arbor, Michigan
McGee, Dean Allan                               Omaha
Grace Hospital, Detroit, Michigan
McIntire, Waldean Chester                     Paxton
Flower and Fifth Avenue Hospital, New York City
McQuillan, William Michael, A.B. 1944          Omaha
St. Vincent's Charity Hospital, Cleveland, Ohio
Malashock, Edward Marvin, A.B. 1944            Omaha
Jewish Hospital, St. Louis, Missouri
Meier, John Albert, B.Sc. in Med. 1945          Fremont
University Hospital, Indianapolis, Indiana
Miller, Harold Baker, B.Sc. in Pharm. 1927, B.Sc. in Med. 1945   Lincoln
Bryan Memorial Hospital, Lincoln, Nebraska
Newman, William Reece Elton, B.Sc. in Agr. 1943  Stromsburg
University Hospital, Omaha, Nebraska
Oberst, Byron Bay                               Omaha
University Hospital, Omaha, Nebraska
O'Connell, Frank Boyd, A.B. 1944                Lincoln
University of Pittsburg Hospital, Pittsburg, Pennsylvania
Olsson, Gordon Quentin                         Gordon
King's County Hospital, Brooklyn, New York
Osborn, Donald Olin, A.B. Simpson College, 1942   Omaha
Grace Hospital, Detroit, Michigan
Petersen, Deane Alfred                          Omaha
U. S. Naval Hospital, Great Lakes, Illinois
Porter, Dale Orville, A.B. 1944                 Nebraska City
Indiana University Medical Center, Indianapolis, Indiana
Ramsay, James Edgar                             Hastings
Grace Hospital, Detroit, Michigan
Rebel, Ronald Franklin                          Plattsmouth
University Hospital, Omaha, Nebraska
Reeves, Elmer Howard, B.Sc. Midland College 1941    Madison
Southern Baptist Hospital, New Orleans, Louisiana
Rivin, Arthur Udell, A.B. 1944                 Scotland, South Dakota
Michael Reese Hospital, Chicago, Illinois
Rodman, Hubert Harmar                          Ralston
Immanuel Hospital, Omaha, Nebraska
<table>
<thead>
<tr>
<th>Name</th>
<th>Home Address</th>
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<tbody>
<tr>
<td>Samuelson, Myron Earl, A.B. 1944</td>
<td>Genoa U. S. Naval Hospital, San Diego, California</td>
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<tr>
<td>Shafer, Preston James, A.B. Midland College 1942</td>
<td>Omaha Wesley Hospital, Wichita, Kansas</td>
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<td>Sides, Leroy James, A.B. 1944</td>
<td>Gibbon University Hospital, Oklahoma City, Oklahoma</td>
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<tr>
<td>Sigman, Craig Raymond, B.Sc. in Med. 1945</td>
<td>Stapleton Indiana University Medical Center, Indianapolis, Indiana</td>
</tr>
<tr>
<td>Thatcher, George William, A.B. Univ. of Omaha 1934</td>
<td>Omaha M.A. Univ. of Wisconsin 1935, Clarkson Hospital, Omaha, Nebraska</td>
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<tr>
<td>Viner, Thomas Ralph, A.B. Simpson College 1943</td>
<td>Omaha University Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Wallace, Roger Keith, B.Sc. in Med. Univ. of So. Dak. 1944</td>
<td>Ravenna U. S. Naval Hospital, Quantico, Virginia</td>
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<tr>
<td>Wildhaber, Joseph Berry</td>
<td>Fairbury University Hospital, Omaha, Nebraska</td>
</tr>
<tr>
<td>Wilson, Lincoln Edward, B.Sc. Monmouth 1933; M.S. Univ. of Michigan 1939</td>
<td>Omaha Huntington Memorial Hospital, Pasadena, California</td>
</tr>
<tr>
<td>Worthing, Verla Ellen, B.Sc. 1943</td>
<td>Elm Creek New England Hospital for Women and Children, Boston, Massachusetts</td>
</tr>
</tbody>
</table>
### Register of Students 1946-47

#### Fourth Medical Year

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Anderson, Mary Elizabeth</td>
<td>Lincoln</td>
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<tr>
<td>Archer, Dean Robbins</td>
<td>Omaha</td>
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<tr>
<td>Bartley, Richard Lee</td>
<td>Lincoln</td>
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<tr>
<td>Beck, Marcus Richard</td>
<td>Fremont</td>
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<td>Bell, James Dennis</td>
<td>Waynesville</td>
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<td>Bentthack, Robert Bennett</td>
<td>Wayne</td>
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<tr>
<td>Bridenbaugh, Lloyd Donald</td>
<td>Dakota City</td>
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<tr>
<td>Broders, Charles William</td>
<td>Rochester, Minn.</td>
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<tr>
<td>Brugh, Elroy Alfred</td>
<td>Lewsivlle, Minn.</td>
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<tr>
<td>Byers, Malcolm Sexton</td>
<td>Fremont</td>
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<td>Charles, Leonard James</td>
<td>Omaha</td>
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<td>Chaloupka, Melvyn Louis</td>
<td>Omaha</td>
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<td>Collins, Frederick Gene</td>
<td>West Point</td>
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<tr>
<td>Cooke, Edwin Theodore</td>
<td>Durham, N. H.</td>
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<td>Dalager, Robert Dean</td>
<td>Lincoln</td>
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<td>Davies, Robert Russell</td>
<td>Kimball</td>
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<td>Degner, Albert Frederick</td>
<td>Lewsivlle, Minn.</td>
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<td>Downing, Lloyd Londrosh</td>
<td>Lincoln</td>
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<td>Ehrlich, Robert Wayne</td>
<td>St. Paul</td>
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<td>Erickson, Louis Leroy</td>
<td>Stromsburg</td>
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<td>Fawell, William Nathan</td>
<td>Omaha</td>
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<td>Fitch, Robert Elsworth</td>
<td>Omaha</td>
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<td>Flory, David Wright</td>
<td>Omaha</td>
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<td>Fohl, Robert John</td>
<td>York</td>
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<td>Frechich, Cletus Troy</td>
<td>Coleridge</td>
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<td>Haase, Donald Delby</td>
<td>Norfolk</td>
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<td>Hall, Burton Ray</td>
<td>Omaha</td>
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<td>Hansich, Robert Wiese</td>
<td>St. Paul</td>
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<td>Hansen, Howard Edward</td>
<td>Lincoln</td>
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<td>Harvey, Harold Elmer</td>
<td>Lincoln</td>
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<td>Harvey, Walter Carlton</td>
<td>Gering</td>
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<td>Heider, Charles Frank</td>
<td>North Platte</td>
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<td>Hermann, Charles Gordon</td>
<td>Lincoln</td>
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<tr>
<td>Houfek, Edward Emil</td>
<td>Schuyler</td>
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<td>Janssen, Gerriet Arthur</td>
<td>Omaha</td>
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<tr>
<td>Johnson, Aldis Adelbert</td>
<td>Council Bluffs, Ia.</td>
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<td>Johnson, Verna Stanley</td>
<td>Omaha</td>
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<td>Kent, Donald Charles</td>
<td>Omaha</td>
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Kleinschmidt, George Wilbert
Kushner, Edward Irving
Benthack, Elaine Marguerite
Mcclanahan, Ward Alexander
Maixner, William Dave
Kroyer, John Montgomery
Groshong, LeRoy Edward
Studley, Ronald
Abbott, Albert Riley
Bartek, Gordon Luke John
Beckwith, Richard Requartite
Benthack, Elaine Marguerite
Bogue, Charles Reck
Bovens, Gene W.
Burnett, John Wesley
Calkins, Robert Chester
Christensen, Robert Henry
Cobb, James Allen
Cranney, Robert LeVerne
DeBacker, Lee Joseph
Doering, William Alton
Donahoe, Joseph Francis
Engdahl, Wallace Edward
Fletcher, Donald Gene
Fouts, Marjorie Marilyn
Gardner, Lee Darrell
Giles, Walter Clard
Gillespie, Evan Lee
Glock, Robert Francis
Gottneid, Allen Joel
Graham, Charles William
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Graveline, Ernest Louis
Greenberg, Richard Myron
Groshong, LeRoy Edward
Grosshong, LeRoy Edward
Hall, David Frank
Hallin, Wendell D.
Hoaglin, Lester Lee
Hoyt, Melvin Sumner
Jesse, John Anthony
Jolin, John Anthony
Knight, Harold Fuller
Korisko, Donald Lewis
Kushner, Edward Irving
Landgraf, Charles William
Levine, Isaac Jacob
Levisky, Nicky
Lins, Joseph Alexander
Long, Llewelyn Lloyd
Markley, Murray
Martin, Rolland Aldred
Mauk, Ferald Dee
McAvin, Raymond J.
McGowan, Robert Ashley
McMorris, Rex Ofal
McNell, Roger Franklin
Memming, Lunetta Anna
Milhelm, Richard Keith
Miller, Charles Henry
Miller, Margaret Jane
Newton, Walter Louerane
Paine, Frederic Olney
Parry, Robert William
Pearce, Eugene Walker
Penner, Henry Gerhard
Penner, Henry Gerhard
Robertson, George Burtch San Jose, Calif.
Rosenblatt, Seymour
Rutt, Fred John, Jr.
Schoen, Carroll William
Simmons, Joseph Raymond
Sluter, Simon John
Schoen, Carroll William
Skrdla, Willard Blake
Smith, Barton Taylor
Smith, Robert Cole
Smith, Winifred Ruth
Swanson, Erick Malcolm
Tupper, Charles John
Vaughn, Vincent Joseph
Weingarten, William Holmes
Wendt, Bernard Frederic
Wilkinson,听得ly Edsel
Nestor, Byron Leon
Olson, Citrus Wilbur
Pollock, Robert William
Ring, Floyd Orville
Robinson, Arnold Edgar
Schoolnik, George Lester
Shambaugh, Ralph Ernest
Skrdla, Willard Blake
Slunieko, Jules Albert
Smith, Barton Taylor
Smith, Robert Cole
Smith, Winifred Ruth
Swanson, Erick Malcolm
Tupper, Charles John
Vaughn, Vincent Joseph
Weingarten, William Holmes
Wendt, Bernard Frederic
Wilkinson, Dudley Edsel
Alliance
First Medical Year

Adams, Robert Eugene.............Lincoln
Albee, Albert Burrell.............Oshkosh
Amman, Franz Ervin................Wilcox
Anderson, Harold..................Gothenburg
Bachman, Arthur Otis..............Harrison
Baker, John Cornelius.............Lincoln
Baker, John N......................Lincoln
Barton, Bert Leland..............Cleveland, Ohio
Benner, Robert Edwin.............Scribner
Billerbeck, Henry..................Crofton
Brakel, Frank James..............Callaway
Broers, Merlin Ulsses.............Burr
Buckley, Lawrence Robert........Beatrice
Burke, Robert Norse..............Rock Island, Ill.
Carter, Donald Clayton............Blair
Case, Robert Woodrow.............Cambridge
Casey, John Henry, Jr............Casper, Wyo.
Cochran, Roy Edwin..............Lincoln
Conn, Fletcher Farley.............Bancroft
Craig, Rollin......................Omaha
Crantz, Paul Elroy.................Holdrege
Cutshall, Vernon..................St. Paul
DeVoe, Lowell Stephen............Lincoln
Davies, George Henry.............Sebring, Ohio
Davis, Neal.........................Omaha
Dodd, Albertus Frederick.........Wilbur
downing, Pentworth M..............Beaver City
dus, Charles Miles, Jr...............Omaha
Eberle, Donald Edward.............Sunner
Elston, Richard Eugene............Omaha
Farnsworth, Richard P.............Grand Island
Finkle, Jerry W....................Lincoln
Grubbs, Loran.................Hamburg
Hahn, John Robert.................Omaha
Hanna, Frank John.................Omaha
Harris, Stanley R................Chappell
Henn, Mary Jo......................Lincoln
Holland, Robert Ellsworth........Lincoln
James, Lawrence Royce............Grand Island
Johnson, Richard Dawson..........Kearney
Johnson, Richard Nich...............Omaha
Johnson, Robert Hildreth........Keene
Johnston, Raymond Foildell........Kearney
Keckler, Robert Dean.............Weeping Water
Kenney, Kenneth Jack.............Dorchester
Kirkoff, Stanley August...........Omaha
Kofoot, Richard Bruce............Broken Bow
Kovarik, Joseph Lewis............Omaha
Lamb, Verner Eugene..............Grand Island
Lear, Patricia Ann...............Lincoln
Limbeck, Donald Arthur...........Lincoln
McCarthy, John A..................Omaha
McCarthy, John O.................Omaha
McEachen, James Allen, Jr.........Lincoln
McClanahan, Frank...............Omaha
McGee, Robert Randall............Columbus
McHenry, Margaret Louise.........Plainview
Morgan, Francis William...........Davenport, Ia.
Mueller, Harold W.................Kearney
Murray, Robert Glenn.............Omaha
Nywall, Dean D.....................St. Edward
Olsen, Viggo Brandt................Omaha
Olson, Philip Harley...............Overhoff, Victor Lorance

Graduate Students

Bach, Stanley M....................Omaha
Beck, Marcus R.....................Fremont
Dunn, Arthur L.....................Omaha

Graham, William....................Omaha
Myrabo, Arnold.....................Kenneth
Pederson, E. Stanley..............Omaha
Southwick, Wayne O.................Friend

IN LINCOLN

Senior Premedical Students

Allen, William Cecil..............Fayette, Mo.
Chandler, Robert Michael........Pierre, So. Dak.
Kirby, Edward William.............Lincoln

Knox, Mary Ann......................McCook
Koubek, Alvin James..............Arnold
Lahr, Woodrow Wilson.............Lincoln
Mason, Marjorie Lucille...........Aurora
### Students

#### Junior Premedical Students

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#### Sophomore Premedical Students

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<td>Kane, Francis James</td>
<td>Detroit, Mich.</td>
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<tr>
<td>Kebshull, Marvin Ernest</td>
<td>Ravena</td>
</tr>
<tr>
<td>Kenner, William Clinton</td>
<td>Nebraska City</td>
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<tr>
<td>Koudela, Charles James</td>
<td>Schuyler</td>
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<tr>
<td>Krahnov, Irwin Russell</td>
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<tr>
<td>Kroger, John Manley</td>
<td>Brooklyn, N. Y.</td>
</tr>
</tbody>
</table>

[Note: The table continues with additional names and cities, but the snippet is cut-off for brevity.]
LaMaster, Hugh ............. Lincoln
Lehman, Theodore Henry ....... Lincoln
Lott, Leroy Neil............. Greeley, Colo.
Ludden, John P. ............. Ashland
Ludi, Warren Adrian ........ Lincoln
McGrath, James Edward ........ Lincoln
McKenzie, Gordon Francis .... Lincoln
McNeely, Phillip Hugh, Jr. ..... Norfolk
McPherson, Daniel Giddens .... Neligh
Marbles, Roland Duane ......... Cambridge
Martin, Paul Raymond ......... Stamford
Mauk, Gerald Dee ............. Norfolk
Mertins, Marvin Leonard ...... Milwaukee, Wis.
Middleton, Ramona Jean ......... Lincoln
Minder, John Gregory .......... Lincoln
Minster, Donald George ......... Sheboygan, Wis.
Nelson, Leonard Allen ......... Ainsworth
Newman, Fred Eugene .......... Lincoln
Niederluecke, Donald Charles ...... Omaha
Ogden, John Allen ............ Fairmont
O'Grady, Patricia Anne ........ Lincoln
Olney, Robert Dudley .......... Lincoln
O'Neill, William James, Jr. ..... South Sioux City
Osborne, William Quamina .... Montserrat, British West Indies
Pettee, Richard Addison ..... Waco
Pierce, Norman William ...... Lincoln
Pitel, James Ambrose ......... Milwaukee, Wis.
Ramdin, Rambarin ............. Tunapuna, British West Indies
Ramsay, Mary Esther .......... Oregon, Mo.
Rath, Hans .................... Jansen
Ravenscroft, Calvin Merel ...... Kennedy
Rawson, Wayne Francis ........ Lincoln
Richardson, Stewart Frank ...... Imperial
Riley, James Ralph ............ Panama
Saults, Charles Joseph ......... Gordon
Scheffel, Carl Walter ......... Grand Island
Schoenfeld, Helmer Arnold .... Deshler
Schulz, Roland Richard ... Beaver Crossing
Segar, Geoffrey ............. Indianapolis, Ind.
Sehert, Walter Emmett ......... Plainview
Shulkin, Jerome Robert ........ Sioux City, Ia.
Simpson, Samuel S. .......... Lincoln
Slabaugh, Robert Aitken ...... Omaha
Snyder, Roy Curtis .......... Lincoln
Son, Joan Ellis ............ Grand Junction, Colo.
Spencer, Edwin Ira .......... Broadwater
Standage, Harlow Don .......... Phillips
Stewart, Charles William ......... Lincoln
Stout, Kenneth Claire .......... Oxford
Teter, William Smith .......... Bartley
Texley, Lloyd Charles ........ Carroll
Troester, Otto Saeger .......... Hampton
Tyner, Jerry Lee ............. York
Uhri, Robert James ......... Humboldt
Van Nostrand, Lowell Clark ...... Benedict
Van Bergen, Sherrill L. ......... Lincoln
Ware, Frederick ............ Omaha
Warren, Samuel Browning ...... Lincoln
Wehrs, Roger Edward ........ Milford
Wells, Dean Miller .......... Red Cloud
Wilson, Doyle Eugene ......... Cadillac, Mich.
Wittstruck, James Eldon ...... Lincoln
Wolpa, Bernard Jean .......... Omaha
Yates, Robert Worland ......... Bridgeport
Young, Dale Lee ............. Palmyra
TRAINING COURSE FOR X-RAY TECHNICIANS

HOWARD B. HUNT, M.A., M.D.

Professor of Radiology and Physical Therapy

Organization.—The course for x-ray technicians has been established by authority of The Board of Regents in connection with the Department of Radiology, College of Medicine. It has been accredited by the American Registry of X-Ray Technicians conducted by the American College of Radiology.

The American Registry of X-Ray Technicians conducts examinations for candidates who shall have had acceptable training and a total of at least two years' experience in radiological work, including the student year. Students who have satisfactorily completed the course of training in x-ray technic at the University of Nebraska College of Medicine and have had a second year of experience in an accepted department of radiology are accepted for examination. A certificate in x-ray technic is issued upon successful completion of the examination of the American Registry of X-Ray Technicians.

Facilities for Instruction.—Ample opportunity for experience in making roentgenograms or x-ray films of patients is provided. During a period of 12 months about 4,500 radiographic examinations are made in the Department of Radiology for the University Hospital and Dispensary of the University of Nebraska College of Medicine. All types and positions of x-ray examinations are used in the department. The radiographic work is supervised by the radiologist. Facilities are provided for deep x-ray therapy and radium therapy with adequate protection of all workers against exposure to radiation. About 2,000 x-ray treatments and 100 radium treatments are given in the department during a year. The library of the College of Medicine is maintained in the hospital. Fifty-three thousand cataloged books and more than 400 current periodicals are available for study and for keeping in touch with current work in the field of radiology diagnosis.

Requirements for Admission.—An applicant for admission to the course in X-ray technic shall be between 20 and 35 years of age and must be a graduate from an accredited high school or other approved preparatory school. Records must be submitted covering the content and grades received in the preparatory studies. It is recommended that the preparatory work include English, Latin, physics, zoology, typing, shorthand, and secretarial work, although applicants are considered who do not present credits in all of these subjects. At least one year of collegiate study including English, physics, zoology, typing, shorthand, and secretarial work is recommended. Preference is given to applicants who are graduate nurses. Applicants must be in good health with no disabilities. The application should be accompanied by a photograph and the names of two people from whom references can be obtained. Admission is allowed in January and July. Only two students can be accepted annually. Applications should be sent to the Chairman of the Department of Radiology, University of Nebraska College of Medicine, 42nd and Dewey Avenue, Omaha 5, Nebraska. Application forms will be provided upon request.

Fees and Expenses.—There is a registration fee of $1, payable on entrance. Six dollars per year for the student health service is payable.
on admission. A tuition fee of $75 per year is charged and a minimum nonresident fee of $50 per year for students enrolling from other states. Students must maintain themselves and provide their own uniforms. The cost of textbooks is about $15. Board may be obtained for $10 a week in the vicinity of the hospital and rooms for $5 a week. Second-year student appointments are frequently made available which provide maintenance and a small monthly stipend.

Due to the generosity of the W. K. Kellogg Foundation there are funds available for student loans for students taking training as technicians. Information concerning the same can be secured by applying to the Director.

Curriculum.—The course of study covers a period of one year. Students are accepted on a probationary basis during the first month. Students are in class or on duty in the Department of Radiology from 8 a.m. until 5 p.m. with a free hour for lunch. Students are not on duty during Saturday afternoon or Sunday. A vacation of two weeks is allowed at the Christmas holiday or in the summer. Immunization against diphtheria, typhoid fever, and smallpox is advised.

Plan of Instruction.—The course of training for students of x-ray technic consists primarily of an apprenticeship and demonstrations under the technician and of conferences with the radiologist. The instruction in related fields is given in conjunction with the School of Nursing consisting of instruction in anatomy, pathology, radiology and physical therapy, principles of general medicine, general surgery, gynecology, orthopedics, urology, first aid, and eye, ear, nose, and throat. The apprenticeship comprises 90 per cent of the period of training. The student works with the technician in the making of all types of x-ray studies. Gradually increasing independent responsibilities are given over to the student as experience increases. The student must become familiar with transcription of the reports of the radiologist covering the x-ray studies made of patients and his reports on patients treated with x-ray and radium. In case the student is unfamiliar with the operation of a typewriter, additional courses must be taken at night school during the period of training.

The following formal courses are required of students in x-ray technic. These courses are provided through the courtesy of the School of Nursing by the College of Medicine.

1. Anatomy.—Lectures, class recitations, demonstrations, and laboratory work dealing with the structure of the human body. Preserved specimens and fresh animal specimens are used for study. 54 hours.

2. Elementary Pathology.—Causes and general features of disease and disease processes. 18 hours.

3. Medicine.—Lectures and clinics dealing with the causes, symptoms, course, treatment, complications, convalescence, and prevention of medical diseases. 20 hours.

4. Surgery.—Lectures and clinics designed to give the student a practical understanding of the causes, symptoms, and treatment of surgical diseases and to stress the importance of early recognition and methods of prevention of these diseases. 18 hours.

5. Gynecology.—Anatomy and physiology of the female pelvic organs; the pathology of the pelvis; the symptoms and treatment of gynecological diseases; complications, the care of patients before and after operation. Lectures and clinics. 10 hours.
(6) Orthopedics.—Lectures, classes, and demonstrations dealing with the causes, prevention, and mechanical and operative treatment and nursing care of diseases of the bones and joints and bony deformities. Demonstration of braces, splints, frames, and other appliances. 18 hours.

(7) Urology.—Lectures dealing with the principal diseases of the genito-urinary tract. 4 hours.

(8) Physical Therapy.—The basic principles and theory governing the use of physical agents, such as the electrical currents, high frequency currents, therapeutic exercises, ultraviolet, roentgen and radium therapy, are discussed in a series of lectures and demonstrations. 18 hours.

(9) First Aid.—Lectures, classes, and demonstrations. Standard Red Cross first aid course for which a Red Cross Certificate is awarded. 20 hours.

(10) Diseases of Eye, Ear, Nose, and Throat.—Lectures and clinics dealing with the anatomy and physiology of the eye, ear, nose, and throat; the diseases of these organs, their treatment and prevention. 18 hours.

Opportunities.—There is a moderate demand for well-qualified technicians. These opportunities are primarily in the departments of radiology in hospitals and in the offices of doctors specializing in x-ray and radium work. There is no opportunity for independent operation of a laboratory by the technician since the use of x-ray in the diagnosis and treatment of diseases is legally the practice of medicine and in the interest of public welfare and safety must be carried out under the supervision of a registered physician. The remuneration for x-ray technicians varies from $100 to $200 a month with or without maintenance. In practice, it is frequently necessary for the technician to take dictation, typewrite reports, file correspondence, and in small hospitals to care for the hospital records on patients. Many of the duties are in the nature of minor nursing such as the sterilization of materials, administration of enemas, preparation of patients for examination, and the general care of the sick. The duties of secretary and practical nurse are frequently combined with those of operating an x-ray machine, processing of x-ray films, and handling of patients in x-ray work.
In the last two to three decades there has been a very great increase in knowledge based on work in biochemistry, hematology, serology, parasitology, bacteriology, immunology, and mycology. Utilization of this information in the diagnosis and treatment of all patients has become widespread, and many procedures involving these principles have become routine, being applied to all patients entering hospitals, and many patients cared for in the doctors’ offices.

The performance and interpretation of these laboratory tests have become so complicated that a specialty within the practice of medicine has developed, in which physicians concern themselves primarily with these problems. The volume of laboratory work has led to the training of medical technologists for the assistance of the physicians in this and other specialties, and in the general practice of medicine.

With ever increasing interest in, and application of laboratory procedures there is a steadily increasing demand for well-trained medical technologists. There is a wide variety of openings for which people trained in medical technology have found positions. The majority have been employed in hospital laboratories, while many work in physicians’ offices and in clinics. There are some openings in research laboratories, and a number of opportunities have appeared in industrial laboratories with work related to or similar to medical technics.

Organization.—The course for laboratory technicians has been established by authority of The Board of Regents, in connection with the Department of Pathology, College of Medicine. It has been accredited by the Committee on Education and Hospitals of the American Medical Association and the American Society of Clinical Pathologists as being equipped and organized to furnish adequate training in laboratory technic. Graduates are eligible to take the examination for the Registry of Medical Technologists maintained by the American Society of Clinical Pathologists.

Facilities for Instruction.—The course is given in the University Hospital, and facilities of the University of Nebraska College of Medicine are available for instruction. The University Hospital is organized primarily for teaching and is under the control of The Board of Regents through the administration of the College of Medicine. It has a capacity of 240 beds, and patients are accepted from over the state generally. All types of diseases are treated. Approximately 4,000 patients are admitted each year. The laboratory of the University Dispensary is also used for instruction. Approximately 4,000 patients are treated each year. The treatment of patients in the hospital and dispensary is directed by the faculty of the College of Medicine. The laboratory work requested includes all routine procedures, and many specialized tests that are required for unusual diseases.

The Library of the College of Medicine is maintained in the hospital. These books and periodicals are available for study, and for keeping in touch with current work in the field of laboratory diagnosis.
Requirements for Admission.—To insure adequate background and training for entering a recognized course in medical technology, the following minimum requirements have been established by the Registry of Medical Technologists.

Biology: Eight semester hours of which at least 4 semester hours must be zoology.

Bacteriology: At least 3 semester hours. (If not available, other branches of biology may be substituted.)

Chemistry: General Inorganic Chemistry—At least 8 semester hours including 4 semester hours of laboratory. Organic Chemistry—A complete course, at least 4 semester hours with not less than 2 semester hours of laboratory. Quantitative Analysis—Three semester hours recommended.

Physics: At least 8 semester hours with 2 semester hours of laboratory recommended.

English: Six semester hours in English composition or rhetoric.

Electives: Sufficient to give a total of 60 semester hours of college credit. Sociology and psychology are recommended for electives.

For those students who have completed at least 90 hours of college work, the University of Nebraska, College of Medicine will grant the degree of Bachelor of Science in Medical Technology on successful completion of the course.

Application Forms.—May be obtained from the director. These, with a transcript of college credits and a small photograph, should be submitted to make formal application.

Fees and Expenses.—There is a registration fee of $1, payable on entrance. Six dollars per year for the student health service is payable on admission. A tuition fee of $75 per year is charged and a nonresident fee for students enrolling from other states. In addition, the students are responsible for their own maintenance, uniforms, and laundry. Board and room may be obtained in private homes for approximately $60 per month. Some allowance should be made for the purchase of books.

Due to the generosity of the W. K. Kellogg Foundation there are funds available for student loans for students taking training as technicians. Information concerning the same can be secured by applying to the Director.

Plan of Instruction.—The course of training is 12 months and is arranged as a unit of instruction. Parts of the course are not offered separately. Lectures covering background material are taken with students of the College of Medicine or with students of the School of Nursing, and others are designed especially for the needs of the medical technologists. Conferences are held at frequent intervals for consideration of technics, their relation to disease processes, and possible source of error. Oral and written examinations are given at intervals. Demonstrations are used to introduce new subject matter, to emphasize important points and familiarize the student with unusual problems.

The hours credit are arranged as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Medical Science</td>
<td>1</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>3</td>
</tr>
<tr>
<td>Bacteriology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>Parasitology</td>
<td>1</td>
</tr>
<tr>
<td>Serology</td>
<td>3</td>
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<tr>
<td>Biochemistry</td>
<td>2</td>
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</tbody>
</table>

Method in Chemistry ........................................ 2
Biochemistry Laboratory ....................................... 3
Hematology ....................................................... 2
Hematology Laboratory ......................................... 3
Histologic Technique .......................................... 3
Blood Bank Technique ........................................... 1
Special determinations ......................................... 2

ANATOMY is taken with the students of the School of Nursing. This course gives a background of the structures of the human body.
INTRODUCTION TO MEDICAL SCIENCE is taken with students of the School of Nursing. This course considers the ways in which the physician studies disease processes in the body and correlation of the changes occurring in the body with the symptoms produced. It discusses the place of laboratory determinations in the study of patients.

BACTERIOLOGY. This course is taken with the students of the College of Medicine covering background and technic as well as the specific consideration of pathogenic bacteria.

Bacteriology Laboratory.—BACTERIOLOGY takes up the identification of pathogenic micro-organisms by their morphological, cultural, and immunological characteristics. Approximately 2,400 bacteriological examinations are made each year.

PARASITOLOGY, a study of the small animal forms which may cause disease, is included with this and is studied both from the material available in the hospital and dispensary and from demonstration specimens in the medical college.

SEROLOGY includes primarily immunological procedures.

Bacteriology, parasitology, and serology are given under the direct supervision of the bacteriology staff of the College of Medicine.

The following courses are practical and specific studies of the methods in regular use in medical laboratories:

BIOCHEMISTRY is a study of the chemical reactions occurring within the body. Particular attention is given to the way in which laboratory tests can give information about normal and abnormal chemical functions in the body.

Methods and Laboratory.—BIOCHEMISTRY includes examinations of the blood and other body fluids for normal and abnormal chemical constituents. As a rule, these are quantitative determinations, and include such tests as blood sugar, nonprotein-nitrogen and creatinine determinations, as well as examinations of urine and of secretions of the gastro-intestinal tract and its associated glands. Between 6,000 and 7,000 examinations a year allow thorough training in this field.

HEMATOLOGY consists of examinations of the blood, particular attention being given to the cellular elements. Included in this service also are compatibility tests preparatory to transfusions. More than 20,000 examinations a year give adequate material for this phase of the work.

Histologic Technic covers the making of tissue preparations, principally sections of various organs and tissues, for microscopic study by the pathologist. A variety of methods are taken up during the training period. More than 4,000 sections are made yearly.

Blood Bank Technic. This introduces the particular problems concerned with the handling and storage of blood, and its preparation for use in transfusions. Preparation of plasma is included.

Specific Determinations. There are a number of procedures, such as Basal Metabolic Rate determinations, which are rather different from other kinds of procedures. These are studied in this section of the work.
Junior Division
Registers and counsels all freshmen and supervises terminal curricula. Conducts the University orientation course and a special testing program for guidance purposes.

College of Agriculture
Leading to the degrees of Bachelor of Science in Agriculture and Bachelor of Science in Home Economics and to vocational education certificate. Supervises Nebraska School of Agriculture at Curtis; Experiment Substations at North Platte, Scottsbluff, and Valentine; Nebraska Agricultural Experiment Station and Agricultural Extension Service, Lincoln; fruit farm, Union; agronomy farm, Havelock; Box Butte Experiment Farm, Alliance.

College of Arts and Sciences
Leading to the degrees of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science.

School of Fine Arts
Leading to the degrees of Bachelor of Fine Arts, Bachelor of Music, Bachelor of Fine Arts in Education, Bachelor of Music in Education, Master of Music.

School of Journalism
Leading to the degrees of Bachelor of Arts, Bachelor of Science in Agriculture, and to certificate in journalism.

College of Business Administration
Leading to the degree of Bachelor of Science in Business Administration.

College of Dentistry
Leading to the degrees of Doctor of Dental Surgery and Bachelor of Science in Dentistry.

College of Engineering
Leading to the degrees of Bachelor of the Art of Architecture, Bachelor of Science in Agricultural Engineering, Bachelor of Science in Architectural Engineering, Bachelor of Science in Chemical Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Commercial Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering. Supervises Nebraska Engineering Experiment Station, Lincoln.

Graduate College
Leading to the degrees of Doctor of Philosophy, Master of Arts, Master of Architecture, Master of Education, Master of Music, Master of Science, Master of Science in Architectural Engineering, Master of Science in Civil Engineering, Master of Science in Electrical Engineering, Master of Science in Mechanical Engineering, Agricultural Engineer, Chemical Engineer, Civil Engineer, Electrical Engineer, Mechanical Engineer.

Graduate School of Social Work
Leading to the degree of Master of Science in Social Work, and to certificate in social work.

College of Law
Leading to the degree of Bachelor of Laws.

College of Medicine
Leading to the degrees of Doctor of Medicine, Bachelor of Science in Medicine, Bachelor of Science in Nursing, and Graduate Nurse.

School of Nursing
Leading to the degrees of Bachelor of Science in Nursing and Graduate Nurse.

College of Pharmacy
Leading to the degree of Bachelor of Science in Pharmacy.

Teachers College
Leading to the degrees of Bachelor of Science in Education, Bachelor of Arts in Education, Bachelor of Fine Arts in Education, Bachelor of Music in Education. Supervises Teachers College High School, Lincoln.

Summer School

Conservation and Survey Division

University Extension Division

Separate bulletins or information concerning any college, school, or division may be obtained free by addressing the Director of Admissions, University of Nebraska, Lincoln 8.