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OREGON
BULLETIN



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MEDICINE

Catalogue 1929-1930
ANNOUNCEMENTS
1930-1931

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THE UNIVERSITY OF
OREGON



THE SCHOOL OF MEDICINE
PORTLAND, OREGON

CATALOGUE 1929-1930

ANNOUNCEMENTS
1930-1931

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EUGENE

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CALENDAR, 1930

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

CALENDAR, 1931

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

MEDICAL SCHOOL CALENDAR, 1930-31

FALL TERM

October 1, Wednesday Examination for removal of conditions.
 October 2, Thursday Registration.
 October 3, Friday Instruction begins.
 November 11, Tuesday Armistice Day, a holiday.
 November 27, Thursday Thanksgiving Day, a holiday.
 December 20, 22 and 23, Saturday,
 Monday and Tuesday Term examinations for all students.
 December 24 to January 2 Christmas vacation.

WINTER TERM

January 3, Saturday Registration.
 January 5, Monday Instruction begins.
 March 18, 19 and 20, Wednesday,
 Thursday and Friday Term examinations for all students.

SPRING TERM

March 23, Monday Registration.
 March 24, Tuesday Instruction begins.
 May 30, Saturday Memorial Day, a holiday.
 June 8, 9 and 10, Monday, Tuesday
 and Wednesday Term examinations for all students.
 June 11, Thursday Junior general examinations.
 June 14, Sunday Baccalaureate sermon at Eugene.
 June 15, Monday Commencement at Eugene.

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| <i>Name and Address</i> | <i>Term Expires</i> |
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| HON. F. E. CALLISTER, Albany..... | July 1, 1932 |
| HON. E. C. PEASE, The Dalles..... | July 1, 1933 |
| HON. ALBERT BURCH, Medford..... | July 1, 1934 |
| HON. E. C. SAMMONS, Portland..... | July 1, 1935 |
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| OTTO GEORGE, A.B. | Student Research Assistant in Obstetrics |
| LOUIS S. GOODMAN, A.B. | Student Research Assistant in Anatomy |
| THOMAS A. MCKENZIE, A.B. | Student Research Assistant in Pharmacology |
| SAMUEL J. NEWSOM, A.B. | Student Research Assistant in Medicine |
| ROBIN M. OVERSTREET, A.B. | Student Research Assistant in Anatomy |
| J. CLAUDE PROFFITT, A.B. | Student Research Assistant in Physiology |
| JOE M. ROBERTS, A.B. | Student Research Assistant in Pathology |
| CHARLOTTE SCHWICHTENBERG, A.B. | Graduate Student Research Assistant in Physiology |
| DELBERT L. STOKESBARY, A.B. | Student Research Assistant in Physiology |
| FREDERIC E. TEMELETON, B.S. | Student Research Assistant in Gynecology |

| | |
|-------------------------------|--|
| BESSIE J. ANDREW, B.S., M.D. | Student Assistant in Nutritional Research Laboratory |
| JACK D. BLAIR | Student Assistant in Gynecology |
| WILLARD M. GOBBELL, A.B. | Student Assistant in Library |
| HERBERT D. LEWIS, A.B. | Student Assistant in Anatomy |
| HOPE B. PLYMATE, B.S. | Student Assistant in Nutritional Research Laboratory |
| THOMAS D. ROBERTSON, A.B. | Student Assistant in Pathology |
| RICHARD D. SIMONTON, A.B. | Student Assistant in Pharmacology |
| VERA F. SMITH, A.B. | Student Assistant in Parasitology |
| JAMES D. STEWART, A.B. | Student Assistant in Pathology |
| GEORGE R. SUCKOW, A.B. | Student Assistant in Physiology |
| ROSS C. B. THORNTON, B.S. | Student Assistant in Physiology |
| J. IRVING TUELL, B.S. | Student Assistant in Pathology |
| VIOLA WHITE, B.S. | Student Assistant in Nutritional Research Laboratory |
| JAMES W. WILEY | Student Assistant in Anemia Research |
| A. EDGAR WRIGHTMAN, JR., A.B. | Student Assistant in Anatomy |

| | |
|----------------------|---|
| EDITH M. BLACKLER | Technician in Anatomy |
| JACK GRONDAHL | Technician in Physiology |
| MARIAN HETLESATER | Technician in Surgery |
| R. WALTER JOHNSON | Photographer and X-Ray Technician |
| HUBERT HICKEY | Technician in Bacteriology |
| ORVAL PERDUE | Assistant Technician in Animal Research |
| HENRY SAXRUD | Technician in Pathology |
| KATHERINE W. STEWART | Technician in Pathology |
| MARIE STRUBE | Technician in Bacteriology |
| STELLA Z. SUCKOW | Technician in Clinical Laboratories |
| ALOS TEDISCH | Technician in Biochemistry |
| WANDA TEMPLETON | Technician in Pathology |
| WILLIAM WELKER | Animal Technician |
| LLOYD A. WHEELWRIGHT | Student Technician in Pharmacology |
| MABEL WILHELM | Technician in Biochemistry |

ADMINISTRATION

| | |
|----------------------------|--|
| RICHARD B. DILLEHUNT, M.D. | Dean of the Medical School |
| HAROLD B. MYERS, M.D. | Associate Dean |
| HARRY R. CLIFF, M.D. | Director, Multnomah County Hospital |
| GRACE PHELPS | Director of Nursing |
| RALF COUCH | Secretary of the Medical School |
| LUCY I. DAVIS | Registrar |
| BERTHA B. HALLAM | Librarian |
| VALENTINE RICHARD | Superintendent, Portland Free Dispensary |
| W. E. GAINES | Superintendent of Buildings and Grounds |

| | |
|-----------------------|---|
| CLARICE ASHWORTH | Medical Illustrator |
| EDNA D. CLERIN | Bookkeeper in Office |
| DOROTHY E. TUCKER | Office Assistant |
| MARGUERITE HENDERSHOT | Cashier in Office |
| ELIZABETH GILL | Chief Clerk in Office |
| IDA B. LUKE | Telephone Exchange Operator |
| GRACE H. OSGOOD | Clerk in Pathology |
| HAZEL RAGAIN | Clinical Clerk in Medicine |
| RUTH WEBER | Clinical Clerk in Clinical Laboratories and Pathology |
| GRACE S. WHITE | Assistant in Library |
| JULIA H. WOODS | Office Assistant |
| JOHN D. MCLAREN, M.D. | Assistant in Library |

EXECUTIVE FACULTY

Arnold Bennett Hall, President of the University; Richard B. Dillehunt, Dean of the Medical School; Professors William F. Allen, Joseph B. Bildersback, George E. Burget, Harry R. Cliff, J. Earl Else, Ralph A. Fenton, Howard D. Haaskins, Frederick A. Kiehle, Lyle B. Kingery, Olof Larsell, Albert Edward Mackay, Clarence J. McCusker, Frank R. Menne, Harold B. Myers, Harry J. Sears, Laurence Selling, Raymond E. Watkins.

STANDING COMMITTEES OF THE MEDICAL SCHOOL

Admission and Advanced Standing—Harold B. Myers, chairman; Olof Larsell, Harry J. Sears, and the registrar of the University (ex officio).
Clinical Laboratories—Harry J. Sears, chairman; Harold B. Myers, Robert L. Benson, J. Earl Else, Laurence Selling, and J. B. Bildersback.
Curriculum and Schedule—Harold B. Myers, chairman; James H. Gilbert, George E. Burget, Laurence Selling, T. Homer Coffen, J. Earl Else, Olof Larsell, Harry R. Cliff, and the secretary of the medical school (ex officio).
Graduate Work—Olof Larsell, chairman; George E. Burget and Frank R. Menne.
Publications and Catalogue—Ralf Couch, chairman; William F. Allen, and Harold B. Myers.
Library—George E. Burget, chairman; Noble Wiley Jones, William F. Allen, Frank R. Menne, Ernest A. Sommer, and the librarian (ex officio).
Museums—Frank R. Menne, chairman; Clarence J. McCusker, and Raymond E. Watkins.
Research—William F. Allen, chairman; Robert Louis Benson, and Harry J. Sears.
Representative to Graduate Council—Olof Larsell.
Portland Free Dispensary—Clarence J. McCusker, chairman; T. Homer Coffen, J. Earl Else, Ralph A. Fenton, Harold B. Myers, L. Howard Smith, J. Guy Strohm, and Raymond E. Watkins.
Jones Lectureship—Laurence Selling, chairman; T. Homer Coffen, and George E. Burget.
Student Health—T. Homer Coffen, chairman; Noble Wiley Jones, and Harold B. Myers.
Internships—Frank R. Menne, chairman; Noble Wiley Jones, and Ralf Couch.
Henry Waldo Coe Prize—George E. Burget, chairman; Harry J. Sears, and Laurence Selling.

THE PORTLAND FREE DISPENSARY

(Operated jointly by the Medical School and People's Institute)

JOINT DISPENSARY COMMITTEE

| | |
|--|--|
| <i>Representing the People's Institute</i> | <i>Representing the Medical School</i> |
| MRS. HELEN LADD CORBETT | DR. CLARENCE J. MCCUSKER |
| MRS. A. E. ROCKEY | DR. T. HOMER COFFEN |
| MRS. GEORGE T. GERLINGER | DR. RALPH A. FENTON |
| MISS VALENTINE PRICHARD (ex officio) | DR. RICHARD B. DILLEHUNT (ex officio) |
| MRS. THOMAS KERR | MR. RALF COUCH (ex officio) |

CLINICAL STAFF

DR. RICHARD B. DILLEHUNT, Dean of Medical School.....*Chief of Staff*
 DR. CLARENCE J. MCCUSKER.....*Medical Director*

MEDICINE

| | | |
|---------------------------|----------------------|-----------------------|
| DR. T. HOMER COFFEN | DR. MURRAY LEVY | DR. ERNEST L. BOYLEN |
| DR. LEON GOLDSMITH | DR. MERLE MOORE | DR. ROGER HOLCOMB |
| DR. BLAIR HOLCOMB | DR. LAURENCE SELLING | DR. ARTHUR C. JONES |
| DR. M. L. MARGASON | DR. DAVID BAIRD | DR. E. F. LUCAS |
| DR. WILLARD F. HOLLENBECK | DR. EARL D. DUBOIS | DR. CARLTON PYNN |
| DR. CARL J. HOLLINGWORTH | DR. FRANK R. MOUNT | DR. ARTHUR D. POCHERT |
| DR. HAROLD B. MYERS | DR. LUTHER T. NELSON | DR. SAMUEL H. WISE |
| DR. B. O. WOODS | DR. ROY A. PAYNE | DR. HOMER P. RUSH |
| DR. E. W. SIMMONS | DR. R. A. BISSETT | |

SURGERY

| | | |
|------------------|-----------------------|---------------------------|
| DR. J. EARL ELSE | DR. GORDON B. LEITCH | DR. JOHN C. BROUGHER |
| DR. R. W. CAHILL | DR. E. E. RIPPEY | DR. MILLARD S. ROSENBLATT |
| DR. CLAUDE LEWIS | DR. A. HOLMES JOHNSON | DR. JEROME J. HOLZMAN |

ORTHOPEDIC SURGERY

| | | |
|--------------------------|----------------------|------------------|
| DR. RICHARD B. DILLEHUNT | DR. HARRY C. BLAIR | DR. LEO S. LUCAS |
| | DR. C. ELMER CARLSON | |

CARDIAC CLINIC

DR. T. HOMER COFFEN
 (Branch of Association of Cardiac Clinica)

ENDOCRINE CLINIC

DR. HOMER P. RUSH

DIABETIC CLINIC

DR. BLAIR HOLCOMB

TUBERCULOSIS

DR. RALPH MATSON

DR. MARR BISAILLON

DR. RAY W. MATSON

GYNECOLOGY

DR. R. E. WATKINS
 DR. G. C. SCHAUFFLER

DR. V. E. DUDMAN
 DR. MILDRED MCBRIDE

DR. E. P. STEINMETZ
 DR. WILLIAM M. WILSON

OBSTETRICS

DR. C. J. MCCUSKER
 DR. WILLIAM H. CONE
 DR. WILLIAM P. SHARKEY

DR. ALBERT HOLMAN
 DR. VIRGIL E. DUDMAN
 DR. THEODORE W. ADAMS

DR. BENJAMIN I. PHILLIPS
 DR. WILLIAM M. WILSON

PROCTOLOGY

DR. BANNER R. BROOKE

DR. W. W. BLACK

RADIOLOGY

MR. R. WALTER JOHNSON

DR. SHERMAN E. REES

LABORATORY

DR. EDWIN E. OSGOOD

ADMINISTRATION

| | |
|-----------------------------------|---|
| VALENTINE PRICHARD..... | <i>Superintendent</i> |
| Cecil Schreyer, R.N..... | <i>Supervising Nurse</i> |
| MARY STARKWEATHER, A.B., R.N..... | <i>Nurse</i> |
| JEAN SPRAGG, R.N..... | <i>Nurse</i> |
| ETTA MCOMBER..... | <i>Registrar</i> |
| ELIZABETH DONALD..... | <i>Social Service Secretary</i> |
| BERTHA DAVIS..... | <i>Social Service Visitor</i> |
| ANNA MURPHY..... | <i>Special Secretary and Social Service Visitor</i> |
| LUCY BURPEE..... | <i>Office Assistant</i> |
| R. WALTER JOHNSON..... | <i>X-Ray Technician</i> |
| LEONA BUMP..... | <i>Laboratory Technician</i> |
| MARGARET SHERWOOD..... | <i>Laboratory Technician</i> |
| ANNE E. LEWIS..... | <i>Obstetrical Nurse</i> |
| ROLAND D. EBY..... | <i>Student Clinical Clerk</i> |
| WILLIAM F. BECK..... | <i>Student Technician</i> |
| VERN W. MILLER..... | <i>Student Technician</i> |
| HAZEL RAGAIN..... | <i>Clinical Clerk</i> |
| JOSEPHINE SULLIVAN..... | <i>Nurse</i> |
| LORA V. BOUCHER..... | <i>Dietician</i> |

DOERNBECHER MEMORIAL HOSPITAL FOR CHILDREN
OF THE
UNIVERSITY OF OREGON MEDICAL SCHOOL

ADMINISTRATIVE BOARD

| | |
|----------------------------|---|
| RICHARD B. DILLEHUNT..... | <i>Dean of the University of Oregon Medical School</i> |
| JOSEPH B. BILDERSBACK..... | <i>Head of the Department of Pediatrics of the Medical School</i> |
| GRACE PHELPS..... | <i>Superintendent of the Doernbecher Memorial Hospital</i> |

HOSPITAL STAFF

| | |
|----------------------------|---------------------------|
| JOSEPH B. BILDERSBACK..... | <i>Physician in Chief</i> |
| GRACE PHELPS, R.N..... | <i>Superintendent</i> |
| JESSIE LAIRD BRODIE..... | <i>Resident Physician</i> |

PEDIATRICS

Attending
 J. B. BILDERSBACK
 L. HOWARD SMITH
 JAMES W. ROSENFELD

Associate
 MORRIS L. BRIDGEMAN
 SAMUEL G. HENRICKE
 ADOLF E. GOURDEAU
 HELEN G. DENNIS

Consulting
 NOBLE WILEY JONES
 T. HOMER COFFEN
 CHARLES E. SEARS
 ARTHUR S. ROSENFELD
 EDMOND J. LABBE
 WILLIAM S. KNOX

SURGERY

J. EARL ELSE
CLARENCE W. BRUNKOW
KARL P. MORAN
W. H. BUERMANN

LOUIS P. GAMBER

ROBERT C. COFFEY
E. W. MORSE
PAUL ROCKEY
EUGENE W. ROCKEY
WILLIAM B. HOLDEN
THOMAS M. JOYCE

ORTHOPEDIC SURGERY

RICHARD B. DILLEHUNT
CHARLES R. McCLURE
OTIS F. AKIN

LEO S. LUCAS
HARRY C. BLAIR
C. ELMER CARLSON

OPHTHALMOLOGY

JOHN F. DICKSON
FREDERICK H. KIRKLE
HARRY M. HENDERSHOTT

ANDREW J. BROWNING
AUGUSTUS B. DYKMAN

J. E. WEEKS
CLINTON T. COOKE

OTOLARYNGOLOGY

RALPH A. FENTON
RALPH F. DAVIS
FRANK B. KISTNER
CHARLES T. CHAMBERLAIN

IRVING M. LUPTON
WILLIAM H. HUNTINGTON
GUY L. BOYDEN

DERMATOLOGY

LYLE B. KINGERY

NEUROLOGY

LAURENCE SELLING

RADIOLOGY

FRANK E. BUTLER

PATHOLOGY

ROBERT L. BENSON
FRANK R. MENNE

WARREN C. HUNTER

BACTERIOLOGY

HARRY J. SEARS

BIOCHEMISTRY

HOWARD D. HASKINS

PHARMACOLOGY

HAROLD B. MYERS

PHYSIOLOGY

GEORGE E. BURGET

DENTISTRY

O. I. GROSSMAN

ADMINISTRATION

| | |
|-------------------------------|----------------------------------|
| GRACE PHELPS | Superintendent |
| CORAH V. LUND | Superintendent of Nurses |
| RALF COUCH | Financial Secretary |
| ELIZABETH GILL | Bookkeeper |
| MARGUERITE HENDERSHOT | Cashier |
| LAURA MARTIN | Record Librarian |
| MAE ALLEN | Supervisor |
| HILDA McCLOUD | Supervisor |
| GERTRUDE LAUBE-WILLIAMS | Supervisor |
| VISA OLESON | Supervisor |
| AMY GAMACHE | Supervisor |
| LILLIAN M. OLESON | Supervisor |
| MABEL McELLIOTT | Anesthetist |
| HARRIETT COMPTON | Technician |
| EMMA CLAUSEN | Dietician |
| AMELIA FEARY | Supervising Social Service Nurse |

OUT-PATIENT DEPARTMENT

Sponsored by the Junior League of Portland—Mrs. HENRY REED, *President*

CLINICS

| | | |
|--------------------|-----|----------------------|
| Pediatrics | Eye | Ear, Nose and Throat |
| Orthopedic Surgery | | Physiotherapy |

SCHOOL OF MEDICINE

HISTORY AND EQUIPMENT

The medical school of the University of Oregon was established by a charter from the regents of the University in 1887 and has been in continuous operation since that time.

September 1, 1913, the Willamette University department of medicine was merged with the University of Oregon, the former retiring permanently from the field of medical education, leaving the University of Oregon the sole medical school in the Pacific Northwest. Under the terms of the merger, the students of Willamette University medical department were transferred to the University of Oregon and upon graduation received diplomas indicative of the consolidation. The alumni bodies of the two institutions were also merged.

THE CAMPUS

Prior to 1919 the medical school was housed in a three-story frame building at Twenty-third and Lovejoy streets near Good Samaritan Hospital. In the spring of 1914 a tract of twenty acres was deeded to the regents of the University by the Oregon-Washington Railroad and Navigation company as a campus for the future development by the University of a center of medical teaching and research.

SAM JACKSON PARK

The campus was enlarged in 1924 by the addition of an adjoining tract of eighty-eight acres, a gift to the medical school by Mrs. C. S. Jackson and Mr. Philip Jackson in behalf and in memory of the late C. S. Jackson. It is named Sam Jackson Park.

The entire campus of one hundred eight acres occupies a site of exceptional scenic grandeur at an elevation overlooking the city and the Willamette river, isolated from noise and smoke but within one and one-half miles of the business center and readily accessible. It affords an ideal setting for medical school buildings and affiliated hospitals.

In 1920 the University conveyed to the county of Multnomah nine acres on the campus for the construction of a general charity hospital, and in 1926 a tract of twenty-five acres was deeded to the United States government as a site for a new Veterans' Bureau hospital of three hundred beds.

MEDICAL SCHOOL BUILDINGS

The first unit of the medical school buildings was made possible by an appropriation of \$110,000 by the state legislature in 1917 and by cash donations amounting to \$25,000 from citizens of Portland. This unit, a three-story reinforced concrete structure, was completed and opened in the summer of 1919, enabling the transfer of the preclinical departments from the old quarters to the new campus, marking the beginning of a rapid development of the medical center.

MACKENZIE HALL

The legislature of 1921 appropriated \$113,000, which was matched by an equal appropriation by the General Education Board, for the construction of a second unit of the medical school. This building of four stories

and of similar construction to the first unit, but twice its capacity, was completed and dedicated by the regents in 1922, at which time it was designated Mackenzie Hall in honor of the late Dean Kenneth A. J. Mackenzie. The General Education Board appropriated an additional \$50,000 for equipment and thus there was afforded an exceptionally adequate plant and equipment for the preclinical departments as well as offices and research laboratories for the clinical departments.

CLINICAL FACILITIES

MULTNOMAH COUNTY HOSPITAL

The commissioners of Multnomah county accepted the gift of nine acres on the medical school campus and constructed thereon the first unit of the Multnomah County Hospital, which was opened in 1923. This unit, built at a cost of approximately \$1,000,000, embodies the most modern conceptions of a teaching hospital. It accommodates 300 beds and is a general charity hospital. Contemplated additional units will increase the capacity to 500 beds.

Under the terms of a contractual agreement between the commissioners of Multnomah County and the University of Oregon, the medical school has access to the hospital for teaching purposes and the director of the hospital becomes a University official. The director of the hospital appoints the professional staff, seventy-five per cent of whom are appointed from nomination by the medical school. The arrangement provides a most successful affiliation for teaching, research, and the care of the sick.

DOERNBECHER MEMORIAL HOSPITAL FOR CHILDREN

A sum of \$200,000 was given to the medical school in 1924 by Mrs. E. W. Morse and Mr. Edward Doernbecher in behalf and in memory of their father, the late F. S. Doernbecher, for the establishment and construction of the University's children's hospital. This sum was augmented by individual gifts totaling \$120,000 and enabling the completion in 1926 of a general hospital of eighty beds for children upon the campus adjacent to the medical school.

The hospital is owned and operated by the University and provides exceptional facilities for the care of sick and disabled children committed to the medical school by the counties of the state under the Children's Hospital Service Law and affords every detail for teaching and research in the departments of pediatrics and other clinical divisions.

It is operated by state appropriations and private donations.

PORTLAND FREE DISPENSARY

Founded in 1907 by the People's Institute, a private philanthropic organization, the Portland Free Dispensary became immediately affiliated with the medical school and is operated jointly by the two institutions. It is situated within five minutes of the medical school.

The professional and nursing staff is appointed by the medical school and clinics in all clinical divisions are conducted therein daily from 9 a. m. to 3 p. m. It cooperates with the Multnomah County Hospital as an outpatient department, and affords care for approximately 16,000 ambulatory indigent sick annually and thus provides a most valuable clinical teaching station.

The budget for maintenance and operation of the dispensary is derived from the People's Institute, the Community Chest, the medical school, the city of Portland, the county of Multnomah, the State Board

of Health, and the Oregon Tuberculosis Association.

Special clinics are conducted in cooperation with certain agencies as follows:

Tuberculosis Clinic—Oregon Tuberculosis Association.

Venereal Clinic—Oregon State and Portland City Health Boards.

Obstetrical Clinic—Child Hygiene Department, State Board of Health.

Child Health Clinic—Oregon Tuberculosis Association and Visiting Nurses Association.

Dental Clinic—City Health Bureau and Junior Red Cross.

Health Center of the Jewish Neighborhood House—Portland Free Dispensary and Oregon Tuberculosis Association.

EXTRAMURAL CLINICS

Clinics and ward walks for small classes are conducted in a number of hospitals not situated upon the medical school campus. These classes are held at Good Samaritan Hospital, St. Vincent's Hospital, Portland Surgical Hospital, Emanuel Hospital, Portland Medical Hospital, the Portland Sanitarium, Waverly Baby Home, Albertina Kerr Nursery, and the State Hospital for the Insane.

AUTOPSY SERVICE AND PATHOLOGIC MUSEUM

Under a contractual agreement with the Multnomah county commissioners, the department of pathology of the medical school is designated to perform and record all coroner's autopsies, an arrangement that affords approximately 400 autopsies per year and materially augments the museum of pathology, and enables unusual opportunity for teaching in pathology and medical jurisprudence.

The museum, under a curator, has many thousand gross and tissue specimens.

The plan also assures authoritative records for medicolegal purposes.

LIBRARY

The medical school library contains over 11,000 volumes and receives 225 current journals. Through the privilege of inter-library loans, it is possible to procure, within a few days, volumes not contained in this collection. The library is supported from the general medical school fund, but in addition, the Portland Academy of Medicine and the Portland City and County Medical Society contribute annually toward its maintenance.

THE JONES LECTURESHIP IN MEDICINE

The Jones Lectureship in medicine has been founded by Dr. Noble Wiley Jones of Portland. Under the terms of the foundation, the income from a \$5,000 fund provides for a series of lectures by an authority in some branch of medical science. These lectures are presented in conjunction with the annual meetings of the alumni association. The first lectures were given in 1920 by Professor Ludwig Hektoen, professor of pathology of the University of Chicago; the second, in 1921, by Professor William Ophuls, professor of pathology, Leland Stanford University; the third, in 1922, by Sir Thomas Lewis of London; the fourth, in 1925, by Dr. A. J. Carlson, University of Chicago; the fifth, in 1926, by Dr. Martin H. Fisher, professor of physiology, University of Cincinnati; and the sixth, in 1928, by Dr. Julius Bauer of Vienna.

GENERAL INFORMATION

Tuition. For all resident students the tuition is \$180 per year, and for all students who are not bona fide residents of Oregon an additional fee of \$60 per year is charged. Arrangements may be made for paying the tuition in installments at the beginning of each term.

Tuition for special students and for summer work is \$3.50 per term hour.

Breakage Deposit. A deposit of fifteen dollars (\$15) for first and second year students, and ten dollars (\$10) for third and fourth year students is required at the beginning of each year for general breakage. The cost of damage done by an individual to University property will be deducted from his deposit; and in case the identity of the one responsible cannot be established, a pro rata charge will be made against the entire class of which he is a member. The remainder of this deposit will be returned at the end of each school year.

Microscopes. Students are expected to provide themselves with microscopes.

Lockers. Coat room and laboratory lockers will be assigned and a deposit of one dollar must be made for the same is received.

Special Examinations. If a special examination is granted, a fee of \$5 must be paid at the office.

Diploma Fee. A diploma fee of \$10 is charged for each degree taken. The rules prescribe that no person shall be recommended for a degree until he has paid all dues, including the diploma fee.

ADMISSION TO THE UNIVERSITY OF OREGON MEDICAL SCHOOL

Application for admission should be made not later than July 1st. It is necessary to complete the list of matriculants early in July, making it thereafter impossible to consider applications for admission.

Notice of acceptance of application is accompanied by matriculation card, to be presented on registration day, together with duplicate to be returned not later than ten days following receipt, with matriculation fee of \$5.00 and a deposit of \$20.00, in order to reserve a place in the entering class. The deposit of \$20.00 may be applied toward the tuition fee of the first term. It is not refundable after July 15th.

REQUIREMENTS FOR ADMISSION

Applicants for admission are required to have satisfactorily completed a four years course in an accredited high school, or its equivalent, and collegiate preparation covering not less than three years of study in an acceptable institution. These courses must include the following:

I. *High School Preparation.* A minimum of fifteen units is required, acceptable toward collegiate matriculation, including the following:

| Units | Units |
|----------------------------|---|
| English 3 | History 1 |
| Algebra 1 | One Foreign Language 2 |
| Geometry 1 | Additional in one of above subjects 1 |
| Laboratory Science 1 | Elective 5 |

Recommended High School Course. The following high school course, which meets all the formal requirements, is strongly recommended:

| Units | Units |
|-------------------|--------------------------|
| English 4 | Latin 2 |
| Algebra 1½ | History 1 |
| Geometry 1 | German or French 2 |
| Physics 1 | Electives 1½ |
| Chemistry 1 | |
| Total 15 | |

II. *Collegiate Preparation.* At least 135 term hours (90 semester hours) exclusive of credit in military science, of collegiate preparation in an accredited institution, is required for admission. Included in this preparation the following work is prescribed:

| | Term Hours |
|--|------------|
| Chemistry, inorganic (qualitative and quantitative may be included) .. | 15 |
| Chemistry, organic | 8 |
| Biology | 20 |
| Physics | 12 |
| English | 9 |
| German or French | 20 |

The subject matter considered in the course in organic chemistry should be distributed over the aliphatic and aromatic compounds. Not less than 25% of all chemistry credit must be for laboratory work.

Preparation in biology should be chiefly in animal biology, elemental and advanced. Not less than 20% of the credit should be for laboratory work. Bacteriology and botany may be accepted for one-quarter of the required work.

The course in physics should cover the subject subdivisions presented in the customary one-year college course, including not less than one laboratory period per week.

It is recommended that advanced courses in written English be taken.

German and French preparation may be satisfied by a statement certifying to the applicant's possessing a ready sight reading ability, submitted by an instructor granting credit in either subject in a standard college or university.

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

RECOMMENDED ELECTIVE SUBJECTS

In addition to the above described requisite preparation, those intending to study medicine are advised to make elective choice of psychology, history, mathematics, at least one of the social sciences and advanced courses in English.

Present facilities necessitate limiting each entering class to sixty. Many more than this number apply for admission. The selection is made upon the basis of scholarship, thoroughness of preparation, and personal fitness for the profession.

BACHELOR'S DEGREE

Students entering the University of Oregon Medical School without the bachelor of arts or bachelor of science degree shall become eligible for one of these degrees, either in the University of Oregon or in their respective institutions, before entering upon the work of the third year.

Eligibility for the bachelor of arts degree in the University of Oregon necessitates completion of 186 term-hours, including the satisfaction of at least three of four group requirements. The group requirements necessitate the completion of not less than 9 term-hours of correlated or sequence order courses. Groups are as follows:

1. Language and Literature. This group requirement may not be satisfied by beginning foreign language or required second year written English. Group I may be fulfilled by a survey course in Architecture or Music if the student is not majoring in either of those schools. German or French is specified by the Medical School as foreign language preparation.

II. Social Sciences. Economics, History, Political Science, and Philosophy.

III. Mathematics and Physical Sciences. Mathematics, Physics, Chemistry, Geology, Geography, Mechanics or Astronomy.

IV. Biological Sciences, Animal Biology, Physiology, Plant Biology, Bacteriology or Psychology.

Laboratory work must be included in courses satisfying groups III and IV with the exception of preparation in mathematics.

Eligibility for the bachelor of arts degree necessitates completion of a two-year course in one foreign language, additional to two years of a foreign language offered at entrance.

Eligibility for the bachelor of science degree necessitates not less than 36 term-hours preparation in Group II or III, additional to fulfillment of at least two of the remaining three group requirements.

It is evident that applicants meeting subject requirements for admission to the Medical School must have satisfied group requirements III and IV for the baccalaureate degree. It is therefore necessary that applicants for admission to the Medical School, anticipating the completion of requirements for the baccalaureate degree in arts or science in the University of Oregon, must fulfill group requirement I or II before entering upon the work of the third year in the medical school.

STUDENT HEALTH

A committee of the faculty has special charge of student health; and, in addition to the general service of the entire school, arrangement is made for securing the advice and aid of the dean, associate dean, and heads of departments in all student health and welfare problems.

PHYSICAL EXAMINATION

All entering students are required to take a physical examination.

SPECIAL STUDENTS

Students who are not candidates for the degree of doctor of medicine may register in courses in the fundamental laboratory branches for which they are prepared, as special students; and graduates in medicine may register as special students in any course. No matriculants will be accepted as special students in clinical subjects, other than graduates in medicine. No graduates in medicine will be accepted as candidates for the degree of doctor of medicine.

Special students who register for special work, and who are not candidates for the degree of doctor of medicine, will be charged tuition according to the amount of work undertaken and the nature of the courses.

CURRICULUM IN MEDICINE AT UNIVERSITY OF OREGON

The course in medicine comprises four years. Three years of pre-medical work on the campus at Eugene or in some other accredited institution are devoted to liberal studies embracing the fundamental sciences contributory to medicine. They include work generally given in pre-medical departments, and listed under requirements for admission. The four years spent in the medical school at Portland are devoted to the subjects of the regular four-year curriculum in medicine required by law.

The first three years must be satisfactorily completed before admission to the medical school (Portland). It has been found necessary for the present to limit the number of first year students at the medical school, consequently, completion of the third pre-medical year does not guarantee admission to the medical school.

CURRICULUM

The prescribed and recommended subjects for the first, second, and third years, i. e., pre-medical instruction, are described under the heading: requirements for admission. In the first, second, third, and fourth years at the medical school there are 4,162 hours of required work. In addition to this, seventeen credits must be earned from the list of elective courses offered. Elective courses may be taken with the permission of the instructor in any term for which they are scheduled. Descriptions of these courses are to be found under the several department headings. Students desiring to elect them should consult the instructor in charge in each case.

TABULATED COURSES FOR FOUR YEARS

| FIRST YEAR | | | | | |
|--|---------------|------------------|--------------|-------------|---------|
| | Lecture Hours | Laboratory Hours | Clinic Hours | Total Hours | Credits |
| Anatomy | 99 | 297 | ..... | 396 | 18 |
| Histology | 33 | 99 | ..... | 132 | 6 |
| Embryology | 22 | 66 | ..... | 88 | 4 |
| Bacteriology | 44 | 132 | ..... | 176 | 8 |
| Biochemistry | 66 | 165 | ..... | 231 | 11 |
| Physiology | 33 | 66 | ..... | 99 | 5 |
| Military | 33 | ..... | ..... | 33 | 3 |
| | 330 | 825 | ..... | 1155 | 55 |
| SECOND YEAR | | | | | |
| | Lecture Hours | Laboratory Hours | Clinic Hours | Total Hours | Credits |
| Neurology | 22 | 66 | ..... | 88 | 4 |
| Pathology | 66 | 198 | ..... | 264 | 12 |
| Pharmacology | 110 | 66 | ..... | 176 | 12 |
| Physiology | 66 | 132 | ..... | 198 | 10 |
| Military | 33 | ..... | ..... | 33 | 3 |
| Medicine 201 (Recitations) | 22 | ..... | ..... | 22 | 2 |
| Medicine 201 (Phys. Diag.) | 22 | ..... | 33 | 55 | 3½ |
| Medicine 203 (Lab. Diag.) | 33 | 66 | ..... | 99 | 5 |
| Surgery 201 | 33 | ..... | ..... | 33 | 3 |
| Syphilology and Dermatology 236 | 11 | ..... | ..... | 11 | 1 |
| | 418 | 528 | 33 | 979 | 55½ |
| THIRD YEAR | | | | | |
| | Lecture Hours | Laboratory Hours | Clinic Hours | Total Hours | Credits |
| Anatomy: | | | | | |
| Applied Anatomy | 33 | ..... | ..... | 33 | 3 |
| Bacteriology: | | | | | |
| Principles of Public Health | 33 | ..... | ..... | 33 | 3 |
| Community Health Problems ..... | ..... | ..... | 66 | 66 | 3 |
| Pathology: | | | | | |
| Autopsy Clinic 103 ..... | ..... | ..... | 22 | 22 | 1 |
| Attendance at Autopsies (Students required to attend 10) ..... | ..... | ..... | ..... | ..... | 1 |
| 107. Autopsy Clinic ..... | ..... | ..... | 22 | 22 | 1 |
| Medicine: | | | | | |
| 204. (Recitations) | 44 | ..... | ..... | 44 | 4 |
| 206. (Dispensary) ..... | ..... | ..... | 132 | 132 | 6 |
| 228. Tuberculosis Clinic ..... | ..... | ..... | 16 | 16 | 1 |
| 232. Dermatology | 33 | ..... | ..... | 33 | 3 |
| 221. Nervous Dis. Clinic ..... | ..... | ..... | 11 | 11 | ½ |
| 222. Nervous Dis. Lecture | 33 | ..... | ..... | 33 | 3 |
| 207. Physical Diagnosis | 11 | ..... | ..... | 11 | 1 |
| 208. History Taking | 6 | ..... | ..... | 6 | ½ |
| 215. Gastroenterology | 33 | ..... | ..... | 33 | 3 |
| Radiology: | | | | | |
| 202. (Rect. & Demonstrations) | 33 | ..... | ..... | 33 | 3 |
| Surgery: | | | | | |
| 202. (Recitations) | 33 | ..... | ..... | 33 | 3 |
| 203. (Dispensary) ..... | ..... | ..... | 49 | 49 | 2 |
| 205. (Beside Clinics) ..... | ..... | ..... | 11 | 11 | ½ |
| 206. (Orthopedic) | 22 | ..... | ..... | 22 | 2 |
| 208. (Surg. Pathology) ..... | ..... | ..... | 11 | 11 | ½ |

| | | | | |
|---|-------|-------|------|-----|
| 221. (Head and Neck) | 22 | 22 | 1 | |
| 224. (Gen. Surg.) | 22 | 22 | 1 | |
| 222. (Extrem.) | 44 | 44 | 2 | |
| 253. (Physiotherapy) | 22 | 22 | 1 | |
| Opth., Otol., Rhin., Larn.: | | | | |
| 201. (Opth. Lect.) | 11 | 11 | 1 | |
| 202. (Opth. Disp.) | 24 | 24 | 1 | |
| 205. (O. R. and L. Lect.) | 11 | 11 | 1 | |
| 206. (O. R. and L. Disp.) | 24 | 24 | 1 | |
| Urology: | | | | |
| 201. (Lecture) | 11 | 11 | 1 | |
| Pediatrics: | | | | |
| 201. (An. Ph. Hy. Inf. Ch. Inf. Clinic) | 22 | 11 | 33 | 2½ |
| 207. (Phys. Diag.) | 16 | 16 | 1 | |
| Gynecology: | | | | |
| 201a. (Gyn. Pathology) | 22 | 22 | 1 | |
| 201b. (Lectures) | 22 | 22 | 2 | |
| Obstetrics: | | | | |
| 201. (Intro. Lect. & Demons.) .. | 22 | 22 | 2 | |
| 202. (Lect. and Demons.) | 22 | 22 | 2 | |
| 203. (Path. Preg. Lab. & Peurp.) | 22 | 22 | 2 | |
| 207. (Attendance at 6 Deliveries) | ..... | ..... | 3 | |
| | 457 | 547 | 1004 | 70½ |

FOURTH YEAR

| | Lecture Hours | Laboratory Hours | Clinic Hours | Total Hours | Credits |
|--|---------------|------------------|--------------|-------------|---------|
| Pathology: | | | | | |
| 108. Clinic Path. Conf. .... | ..... | ..... | 22 | 22 | 1 |
| Pharmacology: | | | | | |
| 104. (Toxicology) | 5 | ..... | ..... | 5 | ½ |
| Medicine: | | | | | |
| 209b. (Med. Clinic) ..... | ..... | ..... | 33 | 33 | 1½ |
| 209c. (Med. Clinic) ..... | ..... | ..... | 11 | 11 | ½ |
| 209f. (Med. Clinic) ..... | ..... | ..... | 11 | 11 | ½ |
| 211. (Clerkships) ..... | ..... | ..... | 66 | 66 | 3 |
| 213. (Contagious Diseases) | 11 | ..... | 6 | 17 | 1 |
| 214. (Ward Walks) ..... | ..... | ..... | 33 | 33 | 1½ |
| 251. (General Clinic) ..... | ..... | ..... | 49 | 49 | 2 |
| 223. (Nerv. & Mental Clinic) ..... | ..... | ..... | 11 | 11 | ½ |
| 224. (Nerv. Dis. Lect.) | 11 | ..... | ..... | 11 | 1 |
| 233. (Derm. Syph.) ..... | ..... | ..... | 33 | 33 | 1½ |
| 234. (Derm. Clinic) ..... | ..... | ..... | 33 | 33 | 1½ |
| 260. (Tuberculosis Clinic) ..... | ..... | ..... | 11 | 11 | ½ |
| Surgery: | | | | | |
| 233. (Conferences) ..... | ..... | ..... | 44 | 44 | 2 |
| 225. (Clinics) ..... | ..... | ..... | 44 | 44 | 2 |
| 226. (Clinics) ..... | ..... | ..... | 66 | 66 | 3 |
| 252. (Clerkships) ..... | ..... | ..... | 121 | 121 | 5½ |
| Opth., Otol., Rhin., Larn.: | | | | | |
| 203. (Opth. Lect.) | 11 | ..... | ..... | 11 | 1 |
| 207. (O., R., and L. Lect.) | 11 | ..... | ..... | 11 | 1 |
| Urology: | | | | | |
| 202. (Clinic) ..... | ..... | ..... | 44 | 44 | 2 |
| 203. (Dispensary) ..... | ..... | ..... | 33 | 33 | 1½ |
| Pediatrics: | | | | | |
| 203. (Dis. Inf. and Ch.) | 66 | ..... | ..... | 66 | 6 |
| 205. (Clinic) ..... | ..... | ..... | 33 | 33 | 1½ |
| 206. (Clerkships) ..... | ..... | ..... | 22 | 22 | 1 |
| Gynecology: | | | | | |
| 201. (Lectures) | 22 | ..... | ..... | 22 | 2 |
| 203. (Clinic. Disp.) ..... | ..... | ..... | 22 | 22 | 1 |
| 204. (Clerkships) ..... | ..... | ..... | 22 | 22 | 1 |
| 205. (Ward Walks) ..... | ..... | ..... | 16 | 16 | ¾ |
| Obstetrics: | | | | | |
| 205. (Clinic) ..... | ..... | ..... | 24 | 24 | 2 |
| 206. (Outpatient Service, attendance at 7 deliveries required) ..... | ..... | ..... | ..... | ..... | 3 |
| 209. (Post Natal Clinic) ..... | ..... | ..... | 5 | 5 | ½ |
| 211. (Gen. Ob.) | 33 | ..... | ..... | 33 | 3 |
| 212. (Manikin) | 22 | ..... | ..... | 22 | 2 |
| General: | | | | | |
| 301. (Medical Jurisprudence) | 11 | ..... | ..... | 11 | 1 |
| 302. (Oral Hyg. & Pathol.) | 6 | ..... | ..... | 6 | ¾ |
| | 209 | ..... | 815 | 1024 | 59½ |

RECAPITULATION

| | Lecture Hours | Laboratory Hours | Clinic Hours | Total Hours | Credits |
|-------------------|---------------|------------------|--------------|-------------|---------|
| First Year | 330 | 825 | ..... | 1155 | 55 |
| Second Year | 418 | 528 | 33 | 979 | 55½ |
| Third Year | 457 | ..... | 547 | 1004 | 70½ |
| Fourth Year | 209 | ..... | 815 | 1024 | 59½ |
| | 1414 | 1353 | 1395 | 4162 | 240½ |

* Ten additional hours of elective credit are required in the fourth year.

PRESCRIBED WORK BY DEPARTMENTS

| PRE-CLINICAL | |
|---|-------|
| Anatomy | 704 |
| Bacteriology and Hygiene | 176 |
| Biochemistry | 231 |
| Physiology | 297 |
| Pharmacology | 176 |
| Pathology | 264 |
| Military Science | 66 |
| Total Hours—Pre-Clinical | 1,914 |
| CLINICAL | |
| Pathology | **66 |
| Anatomy | 33 |
| Pharmacology | 5 |
| Medicine: | |
| General Medicine | 649 |
| Nervous and Mental Diseases | 66 |
| Dermatology and Syphilology | 110 |
| Radiology | 33 |
| Preventive Medicine | 99 |
| Surgery: | |
| General Surgery | 478 |
| Orthopedic | 66 |
| Ophthalmology | 46 |
| Otology, Rhinology, Laryngology | 46 |
| Urology | 88 |
| Pediatrics | 170 |
| Gynecology | 126 |
| Obstetrics | *150 |
| Medical Jurisprudence | 11 |
| Oral Hygiene | 6 |
| Total Hours in Clinical Subjects | 2,248 |
| Total Hours Prescribed Work | 4,162 |
| * Not inclusive of out-patient duty in obstetrics. | |
| ** Not inclusive of attendance at 10 special autopsies. | |

ELECTIVE WORK

Seventeen units of work in elective subjects are required of the candidate for the degree of doctor of medicine, 10 of which shall be taken during the fourth year. At least 5 of these 10 units for the fourth year shall be in the department of medicine.

REQUIREMENTS FOR DEGREES

DOCTOR OF MEDICINE

A candidate for the degree of doctor of medicine must have completed satisfactorily the curriculum described, or in case of admission with advanced standing, the last year must be taken in this medical school. All candidates for degrees are expected to be present at the commencement exercises and receive the diploma in person.

COMBINED DEGREE

Under degree requirements it is specified that all candidates shall have had such balanced collegiate training, including usual preparation in basic sciences, to entitle the individual to baccalaureate degree require-

ments of the University of Oregon as outlined under statement of requirements for admission in this catalogue.

THE GRADUATE SCHOOL

The departments of anatomy, bacteriology, and hygiene, biochemistry, pathology, pharmacology and physiology offer instruction leading to the master's degree as an integral part of the graduate school of the University of Oregon and subject to the rules and regulations which are published in the bulletin of the graduate school.

FELLOWSHIPS AND SCHOLARSHIPS

THE NOBLE WILEY JONES FELLOWSHIP IN PATHOLOGY

The Noble Wiley Jones Fellowship in Pathology is awarded each year by the pathology staff to a student who has manifested particular interest and proficiency in that branch of study. The fellowship consists of the annual income from a gift of \$5,000 made by Dr. Noble Wiley Jones of Portland.

COLLINS RESEARCH FELLOWSHIP

The Collins Nutritional Research Fellowship, founded by Mr. E. S. Collins, of Portland, October 1, 1920, amounts to \$1,500 a year and covers work outlined as follows:

Purpose: Experimental studies in nutrition.

Field: Foods and food factors in the dietary materials indigenous to the Pacific Northwest.

Method: Biologic investigations on laboratory animals with especial reference to the effect upon growth, health and reproduction, and including a histologic and chemical study of certain tissues and organs.

SURGICAL ESSAY PRIZE

A Surgical Essay Prize is given each year to the fourth year student writing the best essay on a surgical subject. The presentation is made by Dr. J. Earl Else, clinical professor of surgery.

ALUMNI ASSOCIATION

The Medical School Alumni Association, made up of the graduates of the merged schools, is a strong organization working for the interests of students and graduates and encouraging scientific and professional progress among its members and the medical profession; it is working with the faculty to build up in Portland a great medical center; it is lending its aid in every way possible for the benefit of the medical profession.

The alumni association holds each year an annual meeting in June. The meeting lasts three full days and includes papers, clinics and the business meeting and banquet. Many out-of-town physicians attend these meetings. All members of the profession are cordially welcome to all sessions. The proceedings of the meetings are published and sent to all members.

Graduates and past and present instructors of the medical schools of the University of Oregon and Willamette University are eligible to membership. The dues are one dollar a year.

The officers of the alumni association for 1929-30 are:

| | |
|--------------------------------|-----------------------|
| Dr. H. H. Foskett | President |
| Dr. Ivan M. Woolley | First Vice-President |
| Dr. Arthur F. Martin | Second Vice-President |
| Dr. A. G. Bettman | Third Vice-President |
| Dr. Robert J. Pilkington | Fourth Vice-President |
| Dr. Claude A. Lewis | Secretary |
| Dr. David H. Rand | Treasurer |

SUMMER COURSES

PRE-CLINICAL

Courses for medical students or others qualified for the work are offered during the summer at the medical school, providing there is enrolled a sufficient number to warrant presentation of the course.

Because of the cost of laboratory supplies and equipment, tuition for these courses will be based on the number of credit hours given for each course, the rate being \$3.50 per credit hour.

Courses will begin at 8:00 o'clock and laboratory work will follow lecture work.

CLINICAL

A limited amount of clinical work at the Portland free dispensary is open during the summer months to medical students of junior and senior standing. The full time required for work, in each case, in fall, winter and spring quarters, is required for summer work. Clinics, for which required or elective credit may be given, are conducted in medicine, surgery, dermatology, urological disease, ophthalmology, otology, rhinology, laryngology, gynecology and obstetrics.

DEPARTMENTS OF INSTRUCTION

DEPARTMENT OF ANATOMY

| | |
|---------------------------|---|
| WILLIAM F. ALLEN | Professor of Anatomy and Head of the Department |
| OLOF LARSELL | Professor of Anatomy |
| WILMOT C. FOSTER | Instructor in Anatomy |
| JON V. STRAUMFJORD | Instructor in Anatomy |
| HOWARD P. LEWIS | Student Instructor in Anatomy |
| MARTIN S. SICHEL | Assistant in Anatomy |
| A. E. WRIGHTMAN | Student Assistant in Anatomy |
| HERBERT D. LEWIS | Student Assistant in Anatomy |
| LOUIS GOODMAN | Student Research Assistant in Anatomy |
| MURRAY BURNS | Student Research Assistant in Anatomy |
| ROBIN M. OVERSTREET | Student Research Assistant in Anatomy |
| EDITH BLACKLER | Technician |

REQUIRED

FIRST YEAR

101. *Gross Anatomy*. Each term; lectures and quizzes, 3 hours per week; laboratory, 9 hours per week; 396 hours; eighteen credits. Drs. Larsell, Straumfjord, Mr. Lewis and assistants.

102. *Histology and Organology*. Fall term; lectures and quizzes, 3 hours per week; laboratory, 9 hours per week; 132 hours; six credits. Dr. Larsell and assistants.

103. *Embryology*. Winter term; lectures, 2 hours per week; laboratory, 6 hours per week; 88 hours; four credits. Dr. Allen, Mr. Lewis and Mr. Wrightman.

SECOND YEAR

201. *Neurology and Organs of Special Senses*. Fall term; prerequisite, Anatomy 101-103; lectures, 2 hours per week; laboratory, 6 hours per week; 88 hours; four credits. Dr. Allen and Mr. Wrightman.

THIRD YEAR

205. *Applied Anatomy*. Spring term; prerequisite, Anatomy 101; lectures, quizzes and demonstrations; 3 hours a week; 33 hours; 3 credits. Dr. Foster and Mr. Lewis.

ELECTIVE

105. *Microscopic Technique*. Fall and winter term; limited to twelve students after consultation with instructor; laboratory, 3 hours a week; 33 hours; one credit. Dr. Larsell and assistant.

202. *Advanced Histology*. Winter and spring term; prerequisite, Anatomy 102 and 105; laboratory, 6 hours a week or less; credits to be arranged. Dr. Larsell.

203. *Topographical Anatomy*. Winter term; prerequisite, Anatomy 101; limited to fifteen students; lecture 1 hour a week; laboratory, 3 hours a week; 44 hours; two credits. Mr. Lewis and Dr. Sichel.

204. *Special Dissections*. Limited to available material; prerequisite, Anatomy 101; hours and credits to be arranged.

206. *Applied Osteology*. Lectures and demonstrations, 1 hour a week; laboratory, 3 hours a week; 44 hours; two credits.

207. *Mechanism of the Central Nervous System Studied from Lesions*. Spring term prerequisite, Anatomy, 201; laboratory, 3 to 6 hours a week; credits to be arranged. Dr. Allen.

208. *Seminar and Journal Club*. Each term; includes anatomical staff and advanced students; hours and credits to be arranged. Dr. Allen.

209. *Comparative Neurology*. Lectures, conferences and laboratory. Winter and spring terms; credits to be arranged. Dr. Larsell.

210. *Research*. In any branch of anatomy, research is open to qualified students upon approval of any of the instructors. Hours and credits to be arranged. Drs. Allen and Larsell.

DEPARTMENT OF BACTERIOLOGY, HYGIENE
AND PUBLIC HEALTH

| | |
|-----------------------------|--|
| HARRY J. SEARS | Professor of Bacteriology and Head of the Department |
| WILLIAM LEVIN | Instructor in Bacteriology |
| WILLIAM K. LIVINGSTON | Instructor in Parasitology |
| FREDERICK D. STRICKER | Lecturer in Public Health |
| VERA SMITH | Student Assistant in Parasitology |
| WESLEY V. FRICK | Student Research Assistant in Bacteriology |
| MARIE STRUBE | Technician |

REQUIRED

FIRST YEAR

101. *Medical Bacteriology and Immunology*. Spring term; lectures, 4 hours a week; laboratory, 12 hours a week; 176 hours; eight credits. Drs. Sears, Levin and Miss Smith.

THIRD YEAR

102. *Principles of Public Health*. The general principles of public health activities. Control of communicable diseases. Organization of federal, state, local and other health agencies. Elements of infant, school and industrial hygiene and vital statistics. Lectures, recitations and discussions. Three hours a week; 33 hours; three credits. Drs. Sears and Stricker.

103. *Community Health Problems*. A course consisting chiefly in a community health survey carried out under the direction of the department staff. Summer following third year; 66 hours; three credits. Drs. Sears, Stricker and Levin.

ELECTIVE

204. *Seminar in Bacteriology and Immunity*. Meetings of the departmental staff and assistants with a number of specially qualified students to discuss the newer developments in the science as they appear in the current periodical literature. Topics are assigned and individual reports read at meetings of the class. Open to a limited number of students. Meetings held once each week. Drs. Sears and Levin.

207. *Parasitology*. A brief course in general parasitology consisting of lectures presenting the clinical and hygienic importance of human parasites and laboratory studies of morphology and diagnostic technic. Fall term; laboratory, 6 hours a week; lectures, 1 hour; three credits. Dr. Livingston and Miss Smith.

208. *Immunology and Serum Technic*. Winter term; lectures on the fundamentals of immunology and laboratory exercises in the technic of serum reactions. Laboratory, 3 hours; lectures and demonstrations, 2 hours; 55 hours; three credits. Dr. Sears.

210. *Research in Bacteriology and Immunity.* Hours and credits to be arranged.

DEPARTMENT OF BIOCHEMISTRY

| | |
|------------------------|--|
| HOWARD D. HASKINS..... | Professor of Biochemistry and Head of the Department |
| EDWIN E. OSGOOD..... | Assistant Professor of Biochemistry |
| FRANK E. TROTMAN..... | Student Instructor in Biochemistry |
| LELAND S. HARRIS..... | Student Instructor in Biochemistry |
| JOYCE A. ALBERT..... | Student Research Assistant in Biochemistry |
| ALOIS TEDISH..... | Technician |
| MABEL WILHELM..... | Technician |

REQUIRED FIRST YEAR

101. *Biochemistry.* Fall term, 3 lectures and 6 hours laboratory a week; winter term, 3 lectures and 9 hours laboratory a week; 231 hours; eleven credits. Dr. Haskins, Mr. Trotman and Mr. Harris.

ELECTIVE

202. *Advanced Biochemistry.* Winter term; lecture, 1 hour; laboratory, 3 hours a week; two credits. Dr. Haskins.

203. *Laboratory Diagnosis.* (For special or graduate students.) Required for second year students; see department of medicine, course 203. Drs. Osgood and Haskins.

210. *Biochemistry Research.* Dr. Haskins.

DEPARTMENT OF PATHOLOGY

| | |
|---------------------------|--|
| FRANK R. MENNE..... | Professor of Pathology and Head of the Department |
| ROBERT L. BENSON..... | Clinical Professor of Pathology |
| WARREN C. HUNTER..... | Assistant Professor of Pathology |
| KARL H. MARTZLOFF..... | Instructor in Surgical Pathology |
| WILLIAM M. WILSON..... | Instructor in Gynecologic Pathology |
| JAMES D. STEWART, JR..... | Student Assistant in Pathology |
| THOMAS ROBERTSON..... | Student Assistant in Pathology |
| J. IRVING TUELL..... | Student Assistant in Pathology |
| HERMAN SEMENOV..... | Noble Wiley Jones Fellow in Pathology |
| ALLEN M. BOYDEN..... | Student Research Assistant in Pathology |
| JOE ROBERTS..... | Student Research Assistant in Pathology |
| HENRY SAXRUD..... | Technician |
| KATHERINE W. STEWART..... | Technician |
| WANDA TEMPLETON..... | Technician |
| RUTH WEBER..... | Clerk in Clinical Laboratories and Stenographer in Pathology |
| GRACE OSGOOD..... | Stenographer in Pathology |

The pathological museum is comprehensive. Gross and microscopic tissues are received from surgical clinics of the several Portland hospitals, and from the autopsies of the coroner's office and other autopsies. (See Pathology Museum in this catalogue.)

REQUIRED SECOND YEAR

101. *General Pathology.* Fall term. A course in general pathology, comprising the study of prepared slides supplemented by experiments, fresh and museum specimens. Lecture, recitations, 3 hours, and laboratory 9 hours a week; 132 hours; six credits. Drs. Menne and Hunter.

102. *General Pathology.* Lectures, winter term 3 hours, and laboratory, 9 hours a week; 132 hours; six credits. Drs. Menne and Hunter.

THIRD YEAR

103. *Autopsy Clinic.* Spring term; studies of autopsies; including a presentation of the clinical history. Two hours a week; 22 hours; one credit. Drs. Menne and Osgood.

104. *Attendance at Autopsies.* Each student is required to attend and describe at least ten autopsies. Time to be arranged. One credit. Pathology staff.

105. *Gynecological Pathology.* (See Gynecology 201a.)

107. *Autopsy Clinic.* Continuation of Course 103. Studies of autopsies, including presentation of clinical history. Third year; winter term, two hours a week; 22 hours, one credit. Dr. Menne and Osgood.

FOURTH YEAR

108. *Clinical Pathological Conference.* Multnomah County Hospital. Two hours each week for one term; throughout year in sections; 22 hours; one credit. Drs. Menne and Selling.

ELECTIVE

201. *Attendance at Autopsies.* Opportunity is offered to students each quarter to elect autopsy attendance with instruction, and such students are required to assist and to make detailed suggestions. Hours and credits to be arranged. Dr. Hunter.

202. *Advanced Systemic Pathology.* Study of the detached pathology of one system. Hours and credits to be arranged. Drs. Menne or Hunter.

203. *Research.* Open to specially qualified students. Hours and credits to be arranged. Drs. Menne or Hunter.

204. *Advanced Pathological History.* Systematic study of microscopic section of autopsy tissues. Open to students who have had at least one quarter's work in pathology. Hours and credits to be arranged. Dr. Menne.

205. *Special Pathology of Heart and Circulation.* Hours and credits to be arranged. Dr. Benson.

206. *Pathology of the Endocrine Glands.* Attendance at autopsies required. Hours and credits to be arranged. Dr. Menne.

DEPARTMENT OF PHARMACOLOGY

| | |
|---------------------------|--|
| HAROLD B. MYERS..... | Professor of Pharmacology and Head of the Department |
| LEE W. DICKINSON..... | Instructor in Pharmacology |
| THOMAS A. MCKENZIE..... | Student Research Assistant in Pharmacology |
| RICHARD D. SIMONTON..... | Student Teaching Assistant in Pharmacology |
| LYOUD A. WHEELWRIGHT..... | Student Technician |

REQUIRED SECOND YEAR

101. *Systematic Pharmacology and Prescription Writing.* Winter term; lectures and quizzes, 5 hours a week; laboratory, 3 hours a week; 88 hours; six credits. Drs. Myers and Dickinson.

102. *Systematic Pharmacology and Pharmacodynamics.* Spring term; lectures and quizzes, 5 hours a week; laboratory, 3 hours a week; 88 hours; six credits. Drs. Myers and Dickinson.

103. *Applied Pharmacology*. Given in conjunction with Medicine 206.

FOURTH YEAR

104. *Toxicology*. Spring term; lectures and quizzes, 1 hour a week for 5 weeks; 5 hours; one-half credit. Dr. Myers.

ELECTIVE

201. *Toxicological Analysis*. (Second year.) Spring term; lectures and quizzes, 1 hour a week; laboratory, 3 hours a week; 44 hours; two credits. Dr. Myers.

203. *Research*. Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigation of pharmacological problems. Hours and credits to be arranged. Dr. Myers.

204. *Seminar*. Offered spring term; open to third and fourth year students; 2 hours a week; 22 hours; two credits. Dr. Myers.

DEPARTMENT OF PHYSIOLOGY

| | |
|-------------------------------|--|
| GEORGE E. BURGET..... | Professor of Physiology and Head of the Department |
| IRA A. MANVILLE..... | Associate in Physiology |
| CARLETON P. PYNN..... | Instructor in Physiology |
| GEORGE R. SUCKOW..... | Student Assistant in Physiology |
| ROSS THORNTON..... | Student Assistant in Physiology |
| BRUCE BAKER..... | Student Research Assistant in Physiology |
| J. CLAUDE PROFFITT..... | Student Research Assistant in Physiology |
| DELBERT L. STOKESBARY..... | Student Research Assistant in Physiology |
| CHARLOTTE SCHWICHTENBERG..... | Graduate Student Research Assistant in Physiology |
| JACK GRONDAHL..... | Technician |

REQUIRED

FIRST YEAR

101. *Blood, Circulation and Respiration*. Spring term; prerequisite, Biochemistry 101; lectures and recitations, 3 hours a week; laboratory, 6 hours a week; 99 hours; five credits. Drs. Burget, Manville, Pynn and Mr. Suckow and Mr. Thornton.

SECOND YEAR

102. *Digestion, Metabolism, Absorption, Secretion, Excretion, Muscle and Heat*. Fall term; prerequisite, Physiology 101; lectures and recitations, 3 hours a week; laboratory, 6 hours a week; 99 hours; five credits. Drs. Burget, Manville, Pynn and Mr. Suckow.

103. *The Nervous System and the Senses*. Winter term; prerequisite, Anatomy 101; lectures and recitations, 3 hours a week; laboratory, 6 hours a week; 99 hours; five credits. Drs. Burget, Manville, Pynn and Mr. Suckow.

ELECTIVE

201. *Lectures on the History of Physiology*. Winter term; 1 hour a week. Dr. Burget.

202. *Physiology of the Glands of Internal Secretion*. Spring term; prerequisite, Physiology 101-103; lectures, 1 hour a week; laboratory, 3 hours a week; 44 hours; two credits. Dr. Burget.

203. *Studies in Metabolism*. Fall term; prerequisite, Physiology 101-103; lectures, 1 hour a week; laboratory, 3 hours a week; 44 hours; two credits. Dr. Pynn.

204. *Diet and Nutrition*. (Third Year.) Winter term. A course in

dietary requirements in health and disease with special emphasis given to the indication and contraindications for particular food factors; the hygiene of the gastro-intestinal tract; the peculiar value of sunlight, minerals and vitamins. Prerequisite, Physiology 101-102-103; lectures, 2 hours a week; 22 hours; two credits. Dr. Manville.

215. *Research*. Each term; hours and credits to be arranged. Drs. Burget and Manville.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

CAPT. JAMES D. EDGAR.....*Medical Corps, U. S. Army, Retired*
Professor of Military Science and Tactics

The Army Reorganization Act of Congress, June 4th, 1920, made possible the establishment of units of the Reserve Officers' Training Corps in certain selected medical schools. A unit of this Corps was established in the medical school during 1920, and was among the first ten units established in Class A medical schools at the invitation of the surgeon general.

The subjects in the course act as corollaries to other subjects taught in the school, in addition to which the organization, administration and functions of the army, in both peace and war, are taught; particular stress being laid upon the organization, administration and functions of the medical department of the army.

Instruction is given by lectures, quizzes and demonstrations. No drill is required, nor are uniforms worn during the school year. During the advanced course students are paid a commutation of subsistence, amounting to over \$200.00.

REQUIRED

101-102. *Basic Course*. First and second years, 6 terms, 1 hour a week, six credits. This course covers military organizations, history of military medicine, theoretical schools of the soldier and company, first aid, organization and administration of the medical department, map reading, tactics and the use of medical units in peace and war.

ELECTIVE

201-202. *Advanced Course*. Open to students of the third and fourth years who will be eligible on graduation to accept a commission in the Officers' Reserve Corps; 6 terms, 1 hour a week and one summer camp of six weeks. Work during the school year consists of lectures, quizzes and demonstrations covering hygiene, sanitation, control of communicable diseases, history and development of hospitals, hospitalization, school of the officer, military psychiatry and allied subjects.

A summer camp of six weeks at Camp Lewis, Washington, immediately following the school year, is part of the course. It may be taken after the second or third years. The student receives 70c a day, transportation to and from camp, rations, uniforms, shelter and medical treatment free at the camp. The student company functions in turn, as medical detachment of a regiment, collecting company, ambulance company and hospital company. Instruction is chiefly by demonstrations and practical exercises. Afternoons are devoted to athletics, equitation and recreation. Several trips are taken, the most interesting being the trip to Mt. Rainier.

At graduation those who have completed the course receive commissions as first lieutenants in the medical section of the Officers' Reserve Corps of the United States army.

CLINICAL DEPARTMENTS

DEPARTMENT OF MEDICINE

| | |
|---|--|
| LAURENCE SELLING | <i>Clinical Professor and Head of the Department</i> |
| NOBLE WILEY JONES, T. HOMER COFFEN..... | <i>Clinical Professors of Medicine</i> |
| LYLE B. KINGERY..... | <i>Clinical Professor of Dermatology</i> |
| WILLIAM S. KNOX, RALPH C. MATSON, CHARLES E. SEARS..... | <i>Associate Clinical Professors of Medicine</i> |
| MARR BISAILLON, I. C. BRILL, JOHN H. FITZGIBBON, WESLEY E. GATEWOOD, J. ALLEN GILBERT, RAY W. MATSON, ARTHUR S. ROSENFELD, JOSEPH N. SHORT..... | <i>Assistant Clinical Professors of Medicine</i> |
| EDWIN E. OSGOOD..... | <i>Assistant Professor of Medicine</i> |
| HARVEY G. PARKER..... | <i>Assistant Clinical Professor of Dermatology and Syphilology</i> |
| J. GUY STROHM..... | <i>Assistant Clinical Professor of Syphilology</i> |
| FRANK E. BUTLER, FERDINAND H. DAMMASCH, LEON A. GOLDSMITH, BLAIR HOLCOMB, FRANK R. MOUNT, LUTHER T. NELSON, DORWIN L. PALMER, ROY A. PAYNE, EDWARD A. PIERCE, ALBERT A. WITHAM..... | <i>Clinical Associates in Medicine</i> |
| DAVID W. E. BAIRD, GROVER C. BELLINGER, RUDOLF A. BISSETT, ERNEST L. BOYLEN, EARL D. DUBOIS, ROBERT G. HALL, ROGER HOLCOMB, WILLARD F. HOLLENBECK, CARL J. HOLLINGWORTH, JOHN H. LABADIE, MURRAY M. LEVY, ELLSWORTH F. LUCAS, MERL L. MARGASON, GEORGE W. MILLETT, MERLE MOORE, HAROLD B. MYERS, BEN- JAMIN I. PHILLIPS, ARTHUR D. POCHERT, CARLETON P. PYNM, JOHN R. RANSON, SHERMAN E. REES, MATTHEW C. RIDDLE, HOMER P. RUSH, EDMUND W. SIMMONS, CHARLES P. WILSON, SAMUEL H. WISE, BERTRAND O. WOODS..... | <i>Clinical Instructors in Medicine</i> |
| LEWIS F. GRIFFITH, JOHN C. EVANS..... | <i>Clinical Lecturers in Psychiatry</i> |
| ALVA B. ADKISSON..... | <i>Resident in Medicine</i> |
| JAMES NEWSOM..... | <i>Student Research Assistant in Medicine</i> |
| HAZEL RAGAIN..... | <i>Clinical Clerk in Medicine</i> |
| LORA V. BOUCHER..... | <i>Dietician</i> |

INTERNAL MEDICINE

REQUIRED
SECOND YEAR

201. *Introduction to the Principles of Medicine.* Recitations based on a standard text book. Spring term, 2 hours a week; 22 hours; two credits. Drs. Goldsmith, Hollenbeck, and Moore.

202. *Physical Diagnosis.* Lectures, 11 hours; winter term; demonstration, 33 hours, and lectures, 11 hours; spring term; 55 hours; three and one-half credits. Dr. Gatewood.

203. *Laboratory Diagnosis.* Spring term; 3 lectures and 9 laboratory hours; 132 hours; six credits. Drs. Osgood and Haskins.

THIRD YEAR

204. *Medicine, Recitations.* Two hours a week, fall and winter terms; 44 hours; four credits. Drs. Goldsmith, Witham, Woods, and Moore.

206. *Dispensary.* Four hours a week throughout the third year; 132 hours; six credits. Drs. Baird, Bissett, Boylen, DuBois, Goldsmith, Holcomb, Hollenbeck, Hollingworth, Jones, Lucas, Moore, Mount, Myers, Nelson, Payne, Phillips, Pochert, Pynn, Rush, Simmons, Woods, and Wise.

207. *Physical Diagnosis.* Lectures; fall term; 11 hours, one credit. A continuation of course 203. Dr. Gatewood.

208. *History Taking.* Lectures and demonstrations; 6 hours, one-half credit. Drs. Baird, Mount, Nelson, and Payne.

215. *Gastroenterology.* Lecture and conference course, one hour a week throughout the year. 33 hours, three credits. Dr. Fitzgibbon.

228. *Tuberculosis Clinic.* Portland Free Dispensary; one and one-half hours a week for 5½ weeks; 16 hours; one credit. Dr. Bisailon.

FOURTH YEAR

209b. *Medical Clinic.* Multnomah County Hospital; diseases of the chest; one hour a week throughout the year; 33 hours; one and one-half credits. Dr. Matson.

209c. *Medical Clinic.* Multnomah County Hospital; 1 hour a week, one term, throughout the year, in sections; 11 hours; one-half credit. Dr. Jones.

209f. *Medical Clinic.* Multnomah County Hospital; 1 hour a week, one term, throughout the year, in sections; 11 hours; one-half credit. Dr. Rosenfeld.

211. *Clinical Clerkships.* Sections of the fourth year class are assigned to the medical service of the Multnomah County Hospital throughout the year; 66 hours; three credits. Dr. Osgood, Wilson and Riddle.

213. *Contagious Diseases.* Contagious Hospital. Lectures, 1 hour a week during fall term. Clinics, 1 hour a week for 5½ weeks winter term in sections; 17 hours, one credit. Drs. Dammasch and Hall.

214. *Medical Ward Walks.* Multnomah County Hospital; 1 hour a week throughout the year, in sections; 33 hours; one and one-half credits. Drs. Coffen, Short, Fitzgibbon, Brill, Wilson, Adkisson.

251. *General Medical Clinic.* Multnomah County Hospital. One and one-half hours a week throughout the year; 49 hours; two credits. Drs. Knox, Sears and Coffen.

260. *Tuberculosis Clinic. Dispensary;* Two hours a week for five and one-half weeks, throughout the year in sections; 11 hours, one-half credit. Dr. Bisailon.

ELECTIVE

216. *Diseases of Metabolism and the Ductless Glands.* Fall and winter terms, lecture and conference course; two hours a week; 22 hours, one credit. Dr. Holcomb.

217. *Diseases of the Kidney.* Winter term; lecture and conference course; two hours a week; 22 hours; one credit. Dr. Millett.

218. *Diseases of the Circulation.* Fall term; lecture and conference course; 1 hour a week; 11 hours; one credit. Dr. Jones.

226. *Applied Therapeutics.* Fourth year, spring term; lectures and recitations; 11 hours; one credit. Dr. Wilson.

236. *Endocrinology.* Two hours a week; 22 hours; one credit. Dr. Rush.

237. *Research.* Hours and credits to be arranged.

240. *Clinical Demonstrations.* Multnomah Hospital. Fall term; eleven hours; one-half credit. Dr. Osgood. (Fourth year.)

241. *Clinical Diagnosis.* Multnomah Hospital. Winter term; eleven hours; one-half credit. Dr. Osgood. (Fourth year.)

254. *Minor Ailments Clinic.* Eleven hours; one-half credit. (Fourth year.) Dr. Goldsmith.

255. *Differential Diagnostic Clinic.* Eleven hours; one-half credit. Dr. Goldsmith.

257. *Tuberculosis Ward Walk.* Multnomah County Hospital. Eleven hours; one-half credit; one term. (Fourth year.) Dr. Matson.

261. *Cardiac Clinic.* Dispensary. One hour a week for one term. 11 hours, one-half credit. Drs. Coffen and Goldsmith.

NERVOUS AND MENTAL DISEASES

LAURENCE SELLING *Clinical Professor of Medicine*
 J. ALLEN GILBERT *Assistant Clinical Professor of Medicine*
 MERL L. MARGASON, MURRAY LEVY *Instructors in Medicine*
 LEWIS F. GRIFFITH, J. C. EVANS *Clinical Lecturers in Psychiatry*

REQUIRED

THIRD YEAR

221. *Clinic at Dispensary.* One hour a week throughout the year, in sections; 11 hours; one-half credit. Dr. Margason and Levy.

22. *Lecture on Nervous Diseases.* One hour a week, throughout the year; 33 hours; three credits. Dr. Selling.

FOURTH YEAR

223. *Clinic.* Sections of the fourth year class are assigned to the neurological service, of the Multnomah County Hospital; one term throughout the year, in sections; 11 hours; one-half credit. Dr. Selling.

224. *Clinic and Lectures on Mental Diseases.* One hour a week, spring term; 11 hours; one credit. Drs. Griffith and Evans.

ELECTIVE

225. *Psychopathology.* One hour a week; 11 hours; spring term; one credit. Dr. Gilbert.

262. *Neurological Clinic.* Dispensary. One hour a week for one term. Offered each term; 11 hours, one-half credit. Dr. Margason.

DERMATOLOGY AND SYPHILOLOGY

LYLE B. KINGERY *Clinical Professor of Dermatology and Head of the Department*
 HARVEY G. PARKER *Assistant Clinical Professor of Dermatology and Syphilology*
 J. GUY STROHM *Assistant Clinical Professor of Syphilology*
 JOHN H. LABADIE *Clinical Instructor in Dermatology*

REQUIRED

THIRD YEAR

236. *Dermatological Pathology and Syphilis Lectures;* 1 hour a week; 11 hours, one credit. Dr. Kingery.

232. *Clinical Lecture and Conference Course.* One hour a week for each section throughout the year; 33 hours; three credits. Drs. Kingery, Parker and Labadie.

FOURTH YEAR

233. *Syphilis Dispensary.* Two hours a day, four times a week for five and one-half weeks; total, 33 hours; throughout the year in sections; one and one-half credits.

234. *Dermatological Clinic.* Multnomah Hospital. One hour each week throughout the year; 33 hours, one and one-half credits. Dr. Kingery.

RADIOLOGY

DORWIN L. PALMER, FRANK E. BUTLER *Clinical Associates in Radiology*
 SHERMAN E. REES, JOHN R. RANSON *Clinical Instructors in Radiology*
 R. W. JOHNSON *Technical Assistant*

REQUIRED

THIRD YEAR

202. *Advanced Radiology.* One hour a week throughout the year. Lectures and quizzes. This course will include a consideration of the interpretation of pathology as depicted on the radiograph and the fluorescent screen. This course will include the medical, surgical and dental application of roentgenology in diagnosis; the uses, the limitations and the dangers; 33 hours; 3 credits. Drs. Butler, Palmer and Rees.

ELECTIVE

211. *Radiographic Technic.* These lectures will be of a practical nature and will include the principles of radiography, and actual demonstrations of technic. Fourth year, each term; 11 hours; one-half credit. Mr. Johnson.

256. *Radiology.* Gastro-intestinal radiology at Dispensary. Eleven hours, one term, one-half credit. (Fourth year.) Dr. Rees.

263. *X-Ray Therapy.* Lectures one hour a week for one term; 11 weeks, one credit. Dr. Ranson.

DEPARTMENT OF SURGERY

J. EARL ELSE, *Chairman*

RICHARD B. DILLEHUNT, ROBERT C. COFFEY, J. EARL ELSE, WILLIAM B. HOLDEN *Clinical Professors of Surgery*
 OTIS F. AKIN, THOMAS M. JOYCE, CHARLES R. MCCLURE, ERNST A. SOMMER *Associate Clinical Professors of Surgery*
 ALVIN W. BAIRD, CHARLES D. BODINE, LOUIS P. GAMBEE, LUTHER H. HAMILTON, GEORGE N. PEASE, EUGENE W. ROCKEY, BENJAMIN N. WADE *Assistant Clinical Professors of Surgery*
 WILLIAM K. LIVINGSTON, KARL H. MARTZLOFF, HERBERT S. NICHOLS, JAMES C. ZAN *Clinical Associates in Surgery*
 WALTER W. BLACK, HARRY C. BLAIR, FRANCIS W. BRODIE, BANNER R. BROOKE, JOHN C. BROUGHER, CECIL E. BROUS, CLARENCE W. BRUNKOW, WINFRED H. BUEERMANN, ROSCOE W. CAHILL, ALBERT H. CANTRIL, C. ELMER CARLSON, A. HOLMES JOHNSON, ARTHUR C. JONES, GORDON B. LEITCH, CLAUDE A. LEWIS, LEO S. LUCAS, CHARLES H. MANLOVE, KARL P. MORAN, OLIVER M. NISBET, EDWARD E. RIPPHEY, MILLARD S. ROSENBLATT, EDWARD W. ST. PIERRE, WILLIAM E. SAVAGE, OTIS B. WIGHT *Clinical Instructors in Surgery*
 MILTON V. WALKER *Resident in Surgery*
 MARIAN HETLESATER *Technician*

REQUIRED

SECOND YEAR

201. *Recitation.* Spring term; recitations, 2 hours a week; 22 hours; two credits. Drs. Bueermann and Wade.

THIRD YEAR

202. *Recitation.* Fall and winter terms; recitations, 2 hours a week; 44 hours; four credits. Drs. Bueermann and Wade.

203. *Dispensary.* One term; 4½ hours a week; 49 hours; two credits. Drs. Brougner, Cahill, Johnson, Leitch, Lewis, Rippey, and Rosenblatt.

205. *Bedside Clinics.* One period, each week for one term; 11 hours; one-half credit. Drs. Brunkow, Bueermann, Moran, and Rockey.

208. *Surgical Pathology.* One hour a week, one term throughout the year in sections; 11 hours; one-half credit. Drs. Manlove and Martzloff.

221. *Surgery of the Head and Neck.* A clinic; two hours a week; throughout the year in sections; 22 hours, one credit. Dr. Joyce.

224. *General Surgical Clinic.* Two hours a week; throughout the year in sections; 22 hours; one credit. Dr. Sommer.

253. *Physiotherapy.* Lectures and demonstrations. Two terms; 22 hours; one credit. Dr. Jones.

FOURTH YEAR

223. *Surgical Conference.* Four hours a week; throughout the year in sections; 44 hours; two credits. Dr. Holden.

225. *General Surgical Clinic.* Four hours a week; throughout the year in sections; 44 hours; two credits. Dr. Coffey.

226. *General Surgical Clinic.* Multnomah Hospital. Two hours a week, throughout the year; 66 hours; three credits. Dr. Else and staff.

252. *Clinical Clerkships.* Multnomah Hospital. Throughout the year, in sections; 121 hours, five and one-half credits. Drs. Gambee, Livingston, Nichols, Nisbet, Pease, St. Pierre.

ELECTIVE

232. *Operative Surgery.* Operative work upon animals; two hours a week; 22 hours; one credit. Dr. Savage.

234. *Proctology.* (Third year). Lecture course and demonstration of diseases of rectum and colon. Method of examination and diagnosis of the commoner conditions, with demonstrations. One hour a week; one term; 11 hours; one-half credit. Drs. Brooke and Black.

237. *Research.* Hours and credit to be arranged.

239. *Anaesthesia.* Lectures and demonstrations on general and local anaesthesia; 11 hours; one credit. Dr. Brunkow.

241. *Surgical Lesions of the Gastro-Intestinal Tract.* Lecture and demonstration course regarding diagnosis, pathology and treatment. Eleven hours; one credit. Dr. Bueermann.

243. *Bedside Clinic.* One hour a week for one term. Offered each term. 11 hours, one-half credit. Drs. BoDine and Cantril.

244. *Surgery of Visceral Nervous System.* Lectures and demonstrations. 11 hours. Dr. Livingston.

ORTHOPEDIC SURGERY

RICHARD B. DILLEHUNT.....*Clinical Professor of Surgery*
 OTIS F. AKIN, CHARLES R. McCLURE.....*Associate Clinical Professors of Surgery*
 HARRY C. BLAIR, LEO S. LUCAS, C. ELMER CARLSON.....*Clinical Instructors in Surgery*

REQUIRED
THIRD YEAR

206. *Orthopedic Surgery.* Lectures, two hours a week; fall term; 22 hours; two credits. Dr. McClure.

222. *Surgery of the Extremities.* The course consists of systematic lectures and demonstrations dealing chiefly with fractures and other traumatic disorders of the extremities. The upper extremity is covered in one term; the lower in another. Two hours a week; winter and spring terms; lectures and clinics; 44 hours; two credits. Drs. Akin and Dillehunt.

ELECTIVE

233. *Orthopedic Clinic.* Two hours a week; each term. Portland Free Dispensary and Doernbecher Hospital; 22 hours; one credit. Drs. Lucas, Blair and Carlson.

240. *Orthopedic Ward Walk.* Shriners' Hospital for Crippled Children. The course consists of general ward rounds upon patients in the hospital, with discussion of the cases and methods of orthopedic treatment in deformities of children. Two hours each week for one term. Offered each term; 22 hours; one credit. Dr. Dillehunt.

OPHTHALMOLOGY

FREDERICK A. KIEHLE.....*Clinical Professor of Ophthalmology and Head of the Department*
 ANDREW J. BROWNING, AUGUSTUS B. DYKMAN, CLINTON T. COOKE, IRA E. GASTON,
 HARRY M. HENDERSHOTT, E. M. TAYLOR, NELSON E. NEULEN.....
*Clinical Instructors in Ophthalmology*

REQUIRED
THIRD YEAR

201. *Eye.* Lectures, recitations and daily quizzes. Fall term; one hour a week; 11 hours; one credit. Dr. Browning.

202. *Eye Dispensary.* Sections throughout the year; 6 hours a week for four weeks; 24 hours; one credit. Drs. Gaston, Browning, Taylor, Dykman, Neulen.

FOURTH YEAR

203. *Eye.* Lectures, demonstrations, quizzes at each lecture and operative clinic. Fall term; one hour a week; 11 hours; one credit. Dr. Kiehle.

ELECTIVE

204. *Principles and Practice of Refraction.* Lectures and case work, designated to instruct students in testing for glasses and in the use of the ophthalmoscope. Fourth year. Winter term; 11 hours; one credit. Dr. Browning.

210. *Dispensary Assistantships.* Fourth year; three two-hour periods a week for one term. Offered each term throughout the year; 22 hours; 44 hours; or 66 hours; 1, 2 or 3 credits, depending on the number of two-hour periods taken. Attendance must be the same days each week. Drs. Cooke, Kiehle, Hendershott, Diekson, Dykman, and Browning.

211. *Advanced Ophthalmology.* (Fourth year). Fall term. Injuries and diseases; one hour a week; 11 hours; one-half credit. Dr. Kiehle.

214. *Ophthalmoscopic Clinic.* Multnomah Hospital. 1 hour a week, one term. Offered each term; 11 hours, one-half credit. Dr. Cooke.

OTOLOGY, RHINOLOGY AND LARYNGOLOGY

RALPH A. FENTON.....*Clinical Professor of Otolaryngology and Head of the Department*
 RALPH F. DAVIS, FRANK B. KISTNER.....*Associate Clinical Professors of Otolaryngology*
 CHARLES T. CHAMBERLAIN, HOWARD E. CARRUTH, GUY L. BOYDEN, IRVING M. LUPTON,
 PAUL BAILEY, WILFORD H. BELKNAP, WILBUR M. BOLTON, WILLIAM H. HUNTING-
 TON, LESTER T. JONES, PAUL T. NEELY, HAROLD R. LUCAS, DWIGHT F. MILLER.....
Clinical Instructors in Otolaryngology
 BYRON J. ASHLEY.....*Resident in Otolaryngology*

REQUIRED
 THIRD YEAR

205. *Ear, Nose and Throat.* Lectures, recitations and daily quizzes. Fall term; 1 hour a week; 11 hours; one credit. Dr. Lupton.

206. *Ear, Nose and Throat Dispensary.* Practical instruction in examination and treatment of cases. Six hours a week for 4 weeks; 24 hours; one credit. Drs. Belknap, Bailey, Lucas, Bolton, Miller, Carruth, Ashley, Jones and Neely.

FOURTH YEAR

207. *Ear, Nose and Throat.* Lectures, demonstrations, quizzes at each lecture and operative clinic. Winter term, 1 hour a week; 11 hours; one credit. Drs. Fenton, Kistner and Davis.

ELECTIVE

210. *Dispensary Assistantships.* Dispensary and Doernbecher Hospital. Fourth year; three two-hour periods a week for one term. Offered each term throughout the year; 22 hours; 44 hours; or 66 hours; 1, 2, or 3 credits, depending on the number of two-hour periods taken. Attendance must be the same days each week. Drs. Chamberlain, Huntington, Davis, Fenton, Kistner, and Boyden.

212. *Advanced Otology.* (Fourth year). One hour a week; 11 hours; one-half credit, spring term. Dr. Fenton.

213. *Advanced Rhinology.* (Fourth year). One hour a week; 11 hours; one-half credit. Dr. Davis.

UROLOGY

ALBERT E. MACKAY.....*Professor of Urology*
 HENRY W. HOWARD, FRANKLIN P. JOHNSON, J. GUY STROHM.....
Assistant Clinical Professors of Urology
 FLOYD SOUTH, JOHN R. MIZNER, ERNEST J. NITSCHKE, EARL M. ANDERSON, ELMER E.
 ANDERSON, JACOB ENKELIS.....*Clinical Instructors in Urology*

REQUIRED
 THIRD YEAR

201. *Diseases Affecting the Genito-Urinary Tract.* Spring term. Lectures one hour a week; 11 hours; one credit. Dr. Howard.

FOURTH YEAR

202. *Urological Clinic.* Fall and winter terms; lectures and clinics, two hours a week; 44 hours; two credits. Drs. Mackay and Johnson.

203. *Dispensary.* Throughout the year, in sections; five and one-half weeks; 6 hours per week; 33 hours; one and one-half credits. Drs. Howard, Strohm, Johnson, South, Mizner, Nitschke, Elmer Anderson and Earl Anderson, Enkelis.

ELECTIVE

210. *Dispensary Clinic.* Lectures and demonstrations; third and fourth year students; 22 hours; one credit. Dr. Strohm.

GYNECOLOGY

RAYMOND E. WATKINS.....*Clinical Professor of Gynecology and Head of the Department*
 ALBERT MATHIEU.....*Associate in Gynecology*
 THEODORE W. ADAMS, VIRGIL E. DUDMAN, GOODRICH C. SCHAUFFLER, EUGENE P. STEIN-
 METZ, WILLIAM M. WILSON.....*Clinical Instructors in Gynecology*
 FRANK R. MENNE.....*Professor of Gynecologic Pathology in Gynecology*
 WILLIAM M. WILSON.....*Instructor in Gynecologic Pathology*
 MILTON V. WALKER.....*Resident in Gynecology*
 JACK D. BLAIR.....*Student Assistant in Gynecology*
 FREDERIC E. TEMPLETON.....*Student Research Assistant in Gynecology*

REQUIRED
 THIRD YEAR

201a. *Gynecologic Pathology.* Fall and winter terms, in two sections; laboratory, two hours a week; 22 hours; one credit. Drs. Menne and Wilson.

201b. *Gynecology.* Spring term; lectures, demonstrations and recitations; two hours a week; 22 hours; two credits. Dr. Watkins.

FOURTH YEAR

201. *Gynecology.* Fall term; lectures and recitations; two hours a week; 22 hours; two credits. Dr. Watkins.

203. *Practical Gynecology.* Dispensary, throughout the year, in sections; five and one-half weeks, four hours a week; 22 hours; one credit. Drs. Steinmetz, Dudman, and Schauflier.

204. *Clinical Clerkships.* Multnomah County Hospital. Sections of five and one-half weeks; 22 hours; one credit. Dr. Walker.

205. *Ward Walks.* Multnomah County Hospital. One 2-hour and 1-hour ward walk each week for five and one-half weeks. Throughout the year, in sections; 16 hours; one-half credit. Drs. Watkins, Mathieu and Adams.

ELECTIVE

201. *Research.* Hours and credits to be arranged.

DEPARTMENT OF PEDIATRICS

JOSEPH B. BILDERBACK.....*Professor of Pediatrics and Head of the Department*
 JAMES W. ROSENFELD, L. HOWARD SMITH.....*Associate Clinical Professors of Pediatrics*
 MORRIS L. BRIDGEMAN, HELEN G. DENNIS, ADOLPHE E. GOURDEAU, SAMUEL G. HEN-
 RICKE, MERL L. MARGASON.....*Clinical Instructors in Pediatrics*
 JESSIE L. BRODIE.....*Resident in Pediatrics*

REQUIRED
 THIRD YEAR

201. *Anatomy, Physiology, Hygiene of Infancy and Childhood.* Lectures and clinics on diseases of the newly born and diseases of nutrition. Practical work in infant feeding, Kerr Nursery. Lectures, 22 hours; clinic, 11 hours; third year; 33 hours; two and one-half credits. Dr. Smith.

207. *Physical Diagnosis in Children.* Lectures, clinics and demonstrations at the Waverly Baby Home and Doernbecher Hospital. Two hours, twice a week for four weeks. Throughout the year in divisions. 16 hours; one credit. Dr. Bridgeman.

FOURTH YEAR

203. *Diseases of Infancy and Childhood.* Lectures, clinics and demonstrations throughout the year; two hours a week; 66 hours; six credits. Drs. Bilderback, Margason and Bridgeman.

205. *Dispensary.* Throughout the year, in sections; five and one-half weeks, 6 hours per week; 33 hours; one and one-half credits. Drs. Rosenfeld, Bridgeman, Henricke and Brodie.

206. *Clerkships.* Doernbecher Memorial Hospital for Children; throughout the year, in sections; 22 hours; one credit. Dr. Brodie.

ELECTIVE

211. *Infant Feeding Clinic.* Portland Free Dispensary. Throughout the year, in sections; 22 hours; one credit. Dr. Dennis.

212. *Diseases of the Respiratory System of Infancy and Childhood.* Demonstrations and quizzes, two hours a week; one term; 22 hours; one credit. Portland Free Dispensary and Doernbecher Hospital. Drs. Henricke and Brodie.

213. *Research.* Hours and credit to be arranged.

DEPARTMENT OF OBSTETRICS

CLARENCE J. McCUSKER *Clinical Professor of Obstetrics and Head of the Department*
THEODORE W. ADAMS, VIRGIL E. DUDMAN, ALBERT W. HOLMAN, GOODRICH C. SCHAUFFLER, EUGENE P. STEINMETZ, WILLIAM M. WILSON, WILLIAM P. SHARKEY.....

..... *Clinical Instructors in Obstetrics*
WILLIAM H. CONE..... *Resident in Obstetrics*
OTTO GEORGE *Student Research Assistant in Obstetrics*

REQUIRED

THIRD YEAR

201. *Introductory Obstetrics.* Lectures, recitations and demonstrations in obstetrics. The anatomy and physiology of the female pelvis and genitalis; diagnosis of pregnancy; the management of normal pregnancy; physiology and clinical course of normal labor and the puerperium. One hour, twice a week, in sections. Fall term; 22 hours; two credits. Drs. Steinmetz, Dudman, and Schauffler.

202. *Lecture and Demonstration Course in Obstetrics.* Mechanism of normal and abnormal presentation; manikin demonstration; care of the new-born child. Obstetrical technic; forceps, version, pubiotomy; cesarean section and embryotomy. One hour, twice a week, in sections. Winter term; 22 hours; two credits. Drs. Steinmetz, Dudman, and Schauffler.

203. *Pathology of Pregnancy, Labor and the Puerperium.* Lecture and demonstration. One hour, twice a week in sections. Spring term; 22 hours; two credits. Drs. Steinmetz, Dudman, and Schauffler.

207. *Attendance at Deliveries.* Multnomah County Hospital. Prerequisite, course 201. Each student is required to be in attendance and make proper clinical record of six cases before taking outpatient work. Three credits. Dr. Cone.

FOURTH YEAR

205. *Clinical Obstetrics.* Portland Free Dispensary and district clinics. This includes the examination of pregnant women, pelvimetry

and instructions in prenatal and postpartem care. Six weeks, two hours, twice a week; throughout the year, in sections; 24 hours; two credits. Drs. Adams, Dudman, Holman, Sharkey, Wilson and Cone.

206. *Outpatient Service.* (Prerequisite, Course 207). Delivery of patients in the home, Albertina Kerr Nursery and St. Vincent's Hospital, and attendance upon mother and child after delivery. Attendance upon at least seven cases required. Arranged and checked by Dr. Cone. Three credits.

209. *Post-natal Clinic.* Portland Free Dispensary. One hour a week, for five and one-half weeks; one-half credit. Drs. Dudman, Holman, Adams, Wilson and Cone.

211. *General Clinic.* Multnomah Hospital, once each week throughout the year. 33 hours; three credits. Dr. McCusker.

212. *Manikin.* Lectures and demonstrations. Two hours a week for one term, throughout the year, in sections; 22 hours; two credits. Dr. Adams.

ELECTIVE

210. *Research.* Hours and credits to be arranged.

ADDITIONAL COURSES

REQUIRED

301. *Medical Jurisprudence.* Fourth year; spring term; 11 hours; one credit. District Attorney Stanley Myers, U. S. District Attorney George Neuner, Drs. Josephi, Myers, Watkins and Benson.

302. *Oral Hygiene and Oral Pathology.* Fourth year, spring term; six lectures; one-half credit. Dr. Chance.

DEGREES CONFERRED, 1928-29

DEGREE OF DOCTOR OF MEDICINE

Allumbaugh, Harold R., Boise, Idaho.
University of Idaho, B.S., 1926.
Alexander, O. Henry, Portland, Oregon.
University of Oregon, A.B., 1928.
Allison, Harry B., Portland, Oregon.
University of Oregon, A.B., 1926.
Anderson, Camilla May, Portland, Oregon.
University of Oregon, A.B., 1925.
Austin, Villairs Thomas, Portland, Oregon.
University of Washington, B.S., 1926.
Backman, V. Gailard, Pendleton, Oregon.
University of Oregon, B.S., 1926.
Beattie, John F., Portland, Oregon.
University of Idaho, B.S., 1927.
Benson, Joseph, Tacoma, Washington.
University of Oregon, A.B., 1926.
Berger, Edmund H., Portland, Oregon.
Linfield College, A.B., 1925.
Billingsley, Gordon D., Portland, Oregon.
University of Oregon, A.B., 1927.
Caldwell, George W., Pasadena, California.
University of Oregon, A.B., 1926.
Davis, Aubrey M., Portland, Oregon.
University of Oregon, A.B., 1927.
Ellis, Paul M., Portland, Oregon.
University of Idaho, B.S., 1922.
Flynn, John B., Eugene, Oregon.
University of Oregon, A.B., 1927.
Furrer, Emil D., Portland, Oregon.
University of Oregon, A.B., 1926.
Gentle, Hjalmar T., Monmouth, Oregon.
University of Oregon, B.S., 1926.
Goodman, Morton J., Portland, Oregon.
University of Oregon, A.B., 1926.
Gourley, Maurice F., Portland, Oregon.
University of Oregon, B.S., 1925.
Hardwick, Clifford E., Portland, Oregon.
University of Oregon, B.S., 1929.
Herron, Ralph E., Junction City, Oregon.
University of Oregon, A.B., 1926.
Hockett, Asahel, Portland, Oregon.
University of Oregon, A.B., 1926.
Ingram, Ivan N., North Bend, Oregon.
University of Oregon, A.B., 1926.
Jacobs, Francis E., Eugene, Oregon.
University of Oregon, A.B., 1926.
Kelley, Eugene H., Portland, Oregon.
University of Oregon, A.B., 1926.
Kenia, Lena L., Portland, Oregon.
University of Washington, B.S., 1921.
Kennedy, Theodore A., Portland, Oregon.
University of Oregon, A.B., 1926.
LeCocq, Edward A., Lynden, Washington.
University of Oregon, A.B., 1924.
Lipshutz, Joseph, Portland, Oregon.
University of Oregon, A.B., 1926.

McAnnally, James F., Portland, Oregon.
University of Washington, B.S., 1925.
McArthur, Ransom J., Mt. Angel, Oregon.
University of Oregon, A.B., 1923.
McBride, William C., Portland, Oregon.
University of Oregon, A.B., 1926.
Mace, Norman C., Portland, Oregon.
University of Oregon, A.B., 1926.
Marks, Roland F., Halsey, Oregon.
Oregon State Agric. College, B.S., 1925.
May, Charles W., Portland, Oregon.
State College of Washington, B.S., 1922.
Meienberg, Leo J., Milwaukie, Oregon.
University of Oregon, A.B., 1926.
Miles, Robert H., Stockton, California.
University of California, A.B., 1925.
Naimark, Max, Portland, Oregon.
Yale University, B.S., 1925.
Page, Thomas N., Portland, Oregon.
University of Oregon, A.B., 1927.
Page, Sam R., Portland, Oregon.
University of Oregon, A.B., 1924.
Panton, William C., Portland, Oregon.
University of Oregon, A.B., 1926.
Parker, Fenton B., Oakland, California.
University of Oregon, A.B., 1927.
Parks, Earl W., Portland, Oregon.
University of Idaho, B.S., 1923.
Pemberton, Paul A., Salem, Oregon.
Willamette University, A.B., 1925.
Preuss, Charles A., Tacoma, Washington.
University of Idaho, B.S., 1924.
Robertson, Cornelia F., Lakeview, Oregon.
University of Oregon, A.B., 1928.
Rosengren, Harold N., Logan, Utah.
Utah Agricultural College, B.S., 1923.
Schwichtenberg, Albert H., Portland, Ore.
University of Oregon, A.B., 1926.
Spellman, Chas. E., Portland, Oregon.
University of Oregon, A.B., 1926.
Straumfjord, Jo'n V., Portland, Oregon.
University of Manitoba, A.B., 1923.
Stearns, Howard C., Portland, Oregon.
Oregon State Agric. College, M.S., 1925.
Vinson, John E., Portland, Oregon.
Willamette University, A.B., 1925.
Warwick, Charles S., Portland, Oregon.
University of Oregon, B.S., 1926.
Wilcox, Frank T., Grass Valley, Oregon.
University of Oregon, B.S., 1929.
Wiswall, Henry M., Vancouver, Washington.
University of Oregon, B.S., 1928.
Yoran, Calvin M., Eugene, Oregon.
University of Oregon, A.B., 1926.

ENROLLMENT, 1929-30

CLASS OF 1930

Adix, Henry V., Gresham, Oregon.
University of Oregon, 1923-1926.
Albert, Joyce A., Portland, Oregon.
University of Oregon, A.B., 1927.
Beck, William F., Dallas, Oregon.
University of Oregon, B.S., 1923.
Bonney, Loris J., Haines, Oregon.
University of Oregon, B.S., 1927.
Bossatti, Ector, Portland, Oregon.
University of Oregon, A.B., 1927.
Budaeff, Ivan T., San Francisco, California.
University of Oregon, A.B., 1927.
Butler, Jay V., Monmouth, Oregon.
Willamette University, A.B., 1926.

Callow, Edward J., Portland, Oregon.
University of Washington, A.B., 1907.
Campbell, Myron M., Portland, Oregon.
University of Washington, B.S., 1926.
Caniparoli, Sante D., St. Helens, Oregon.
University of Oregon, A.B., 1927.
Coshow, G. Horace, Brownsville, Oregon.
Oregon State Agric. College, B.S., 1925.
Dahl, Joyle O., Portland, Oregon.
University of Oregon, A.B., 1926.
Dunn, Edward N., Corvallis, Oregon.
Oregon State Agric. College, B.S., 1926.
Eby, Roland D., Oregon City, Oregon.
University of Oregon, B.S., 1927.

George, John O., Portland, Oregon.
Reed College, A.B., 1925.
Geyer, Alfred B., Eugene, Oregon.
University of Oregon, B.S., 1927.
Gidley, Donald S., Marshfield, Oregon.
University of Oregon, B.A., 1929.
Hays, Marian G., Eugene, Oregon.
University of Oregon, A.B., 1926.
Henton, Herbert C., Portland, Oregon.
University of Oregon, A.B., 1927.
Henny, George C., Portland, Oregon.
Reed College, A.B., 1920.
Calif. Institute of Technology, M.S., 1922.
Johnson, Fordyce A., Tacoma, Washington.
University of Oregon, B.S., 1927.
Kimberley, Gurney A., Portland, Oregon.
University of Oregon, B.S., 1929.
Lewis, Howard P., Marshfield, Oregon.
Oregon State Agric. College, B.S., 1924.
Maulding, Louie A., Gresham, Oregon.
University of North Dakota, B.S., 1928.
McDonough, Raphael C., Portland, Oregon.
University of Washington, A.B., 1925.
McInturff, David U., Jr., Salem, Oregon.
State College of Washington, A.B., 1924.
McKenzie, Thomas A., Portland, Oregon.
University of Oregon, A.B., 1927.
Miller, Vern W., Marcola, Oregon.
University of Oregon, A.B., 1927.
Muller, Wasily V., Portland, Oregon.
University of Oregon, A.B., 1928.
Morgan, John D., Portland, Oregon.
University of Oregon, B.S., 1927.

Pearson, Eric D., Portland, Oregon.
University of Oregon, B.S., 1928.
Plymate, Hope B., Marshfield, Oregon.
University of Oregon, B.S., 1925.
Ramsay, John F., Portland, Oregon.
University of Washington, B.S., 1926.
Robertson, Thomas D., Salem, Oregon.
University of Oregon, 1922-1926.
Schatz, Irvin I., Portland, Oregon.
University of Oregon, B.S., 1927.
Semenov, Herman E., Portland, Oregon.
University of Oregon, A.B., 1927.
Shiomi, Robert H., Portland, Oregon.
University of Oregon, A.B., 1927.
Simonton, Richard D., Portland, Oregon.
University of Oregon, A.B., 1928.
Stewart, James D., Jr., Eugene, Oregon.
University of Oregon, A.B., 1926.
Suckow, George R., Portland, Oregon.
University of Oregon, A.B., 1926.
Thornton, Ross C. B., Portland, Oregon.
University of Washington, B.S., 1924.
Trotman, Frank E., Woodinville, Wash.
University of Washington, 1920-1923.
VanGorder, Lynn S., Portland, Oregon.
University of Washington, B.S., 1927.
Watkins, Harry C., Portland, Oregon.
University of Oregon, B.S., 1928.
Woods, Harvey A., Ashland, Oregon.
University of Oregon, A.B., 1927.

Fourth Year 45

CLASS OF 1931

Anderson, John E., Portland, Oregon.
University of Oregon, B.S., 1929.
Ashley, Carl G., Portland, Oregon.
University of Oregon, A.B., 1927.
Ball, Frank I., Jr., Portland, Oregon.
University of Oregon, A.B., 1929.
Bartell, Isaac D., Salem, Oregon.
University of Saskatchewan, B.S., 1927.
Beatty, Joseph O., Portland, Oregon.
University of Oregon, A.B., 1928.
Bennett, Ivan E., Lebanon, Oregon.
Pacific University, A.B., 1927.
Betzer, Burl, Crabtree, Oregon.
University of Oregon, B.S., 1928.
Bump, Chester A., Portland, Oregon.
Oregon State Agric. College, B.S., 1924.
Burns, Edgar M., Portland, Oregon.
University of Oregon, A.B., 1928.
Collings, Maurice M., Portland, Oregon.
University of Oregon, 1923-1927.
Curtis, Elizabeth, Weiser, Idaho.
University of Idaho, B.S., 1928.
Davis, Thomas A., Portland, Oregon.
Reed College, A.B., 1926.
Edgar, Katherine J., Portland, Oregon.
University of Oregon, A.B., 1927.
Edmundson, William T., Salem, Oregon.
Willamette University, B.A., 1927.
Eldridge, Horace L., Portland, Oregon.
University of South Dakota, A.B., 1925.
Findley, Dwight H., Salem, Oregon.
Willamette University, A.B., 1925.
Fortmiller, Edward V., Albany, Oregon.
University of Oregon, A.B., 1928.
Friborg, Arnold E., Portland, Oregon.
University of Oregon, B.S., 1929.
Frick, Wesley V., Portland, Oregon.
University of Washington, 1920-1927.
Gobbell, Willard M., Portland, Oregon.
University of Oregon, A.B., 1927.
Godefroy, William, Portland, Oregon.
University of Washington, B.S., 1926.

Greene, Robert B., Eugene, Oregon.
University of Oregon, A.B., 1927.
Haines, Ronald S., Salem, Oregon.
Willamette University, A.B., 1927.
Handford, William B., Corvallis, Oregon.
Oregon State Agric. College, B.S., 1927.
Harris, Leland S., Portland, Oregon.
University of Washington, M.S., 1927.
Hogshire, George R., Portland, Oregon.
Reed College, 1923-1926.
University of Oregon, 1927.
Holmes, Charles M., Centralia, Washington.
University of Washington, B.S., 1927.
Johnsen, Kristian, Portland, Oregon.
University of Oregon, A.B., 1928.
Jordan, Lewis W., Portland, Oregon.
University of Oregon, B.S., 1929.
Joy, Frederick B., Portland, Oregon.
University of Oregon, A.B., 1929.
Kelsey, Walter L., Portland, Oregon.
University of Oregon, A.B., 1928.
Kuykendall, John, Klamath Falls, Oregon.
University of Oregon, A.B., 1928.
Lewis, Edgar J., New Plymouth, Idaho.
College of Idaho, B.S., 1925.
Mackey, Harry E., Portland, Oregon.
University of Oregon, A.B., 1929.
Miller, Marian L., Salem, Oregon.
Oregon State Agric. College, B.S., 1925.
Morgan, Walter M., Portland, Oregon.
University of Washington, B.S., 1929.
Newsom, Samuel J., Prineville, Oregon.
University of Oregon, A.B., 1927.
Reed, Marion, Nehalem, Oregon.
Reed College, A.B., 1926.
Renshaw, John F., Portland, Oregon.
University of Oregon, A.B., 1928.
Raw, Kenneth G., Pendleton, Oregon.
University of Oregon, A.B., 1929.
Ricen, Edgar, Portland, Oregon.
University of Oregon, B.S., 1928.

Robertson, Joycelin H., Lakeview, Oregon.
University of Oregon, A.B., 1929.
Rose, Hilton W., Portland, Oregon.
University of Oregon, A.B., 1929.
Schneider, Oscar, Portland, Oregon.
University of Oregon, A.B., 1929.
Shinniger, Paul E., Wheeler, Oregon.
University of Oregon, A.B., 1927.
Sleep, Somers R., Portland, Oregon.
College of Puget Sound, B.S., 1927.
Stone, Willard J., Island City, Oregon.
University of Oregon, A.B., 1928.
Taylor, Edward D., Eugene, Oregon.
University of Idaho, 1923-1927.
Templeton, Frederic E., Portland, Oregon.
University of Washington, B.S., 1927.
Thompson, Robert H., Portland, Oregon.
Univ. So. Calif. at Los Angeles, B.A., 1925.
Tuell, J. Irving, Portland, Oregon.
University of Oregon, B.S., 1928.

Wheelwright, Lloyd A., Salem, Oregon.
Willamette University, A.B., 1926.
White, Leslie A., Juneau, Alaska.
University of Washington, 1919-1925.
White, Almon J., Portland, Oregon.
University of Idaho, M.S., 1926.
Whiteside, Harold R., Portland, Oregon.
University of Oregon, B.S., 1928.
Wilbur, Robert G., Hood River, Oregon.
University of Oregon, B.S., 1928.
Wilbur, William P., Portland, Oregon.
University of Oregon, A.B., 1929.
Williams, Harold L., Corvallis, Oregon.
University of Oregon, B.S., 1927.
Wilson, Joseph G., Kent, Oregon.
University of Oregon, B.S., 1928.
Wrightman, A. Edgar, Jr., Silverton, Ore.
University of Oregon, A.B., 1928.

Third Year 60

CLASS OF 1932

Aspray, Joseph M., Spokane, Washington.
University of Oregon, A.B., 1929.
Atkins, Charles B., Portland, Oregon.
University of Washington, B.S., 1928.
Baker, Albert B., Stanfield, Oregon.
University of Oregon, B.S., 1929.
Blair, Jack D., Portland, Oregon.
Stanford University, A.B., 1928.
Blanche, Donald W., Salem, Oregon.
University of Oregon, B.S., 1929.
Borden, Lemuel P., Palo Alto, California.
University of Oregon, B.S., 1929.
Boyden, Allen M., Portland, Oregon.
University of Oregon, A.B., 1929.
Buechel, J. F. Marvin, Portland, Oregon.
University of Oregon, 1925-1927.
Campbell, James E., Napa, California.
University of Idaho, B.S., 1929.
Campbell, Robert A., Portland, Oregon.
University of Washington, B.S., 1924.
Carleton, Earl W., Thompson Falls, Mont.
University of Oregon, A.B., 1929.
Carpenter, Lewis H., Portland, Oregon.
Oregon State Agric. College, 1925-1927.
Carter, Filmer W., Portland, Oregon.
Willamette University, A.B., 1926.
Davis, George E., Portland, Oregon.
The College of Idaho, 1925-1927.
Dodds, George A., Oregon City, Oregon.
University of Oregon, 1924-1927.
Dunn, James N., Corvallis, Oregon.
Oregon State Agric. College, B.S., 1928.
Durose, Rred W., Portland, Oregon.
University of Washington, B.S., 1926.
Gasman, Ethel S., The Dalles, Oregon.
University of Oregon, B.S., 1928.
Goodman, Louis S., Portland, Oregon.
Reed College, A.B., 1928.
Grieve, Margaret I., Spokane, Wash.
State College of Washington, B.S., 1928.
Hambo, Curtis C., Portland, Oregon.
University of Oregon, A.B., 1928.
Hansen, Paul B., Portland, Oregon.
North Pacific Dental College,
Reed College, 1926-1927.
Hargus, Harold B., Klamath Falls, Oregon.
University of Oregon, A.B., 1929.
Hayden, Wilbur C., Eugene, Oregon.
University of Oregon, A.B., 1926.
Heald, Bessey, Pullman, Washington.
State College of Washington, 1925-1927.
Hendry, Edwin A., Oregon City, Oregon.
University of Oregon, A.B., 1929.
Hoskins, Homer D., Salem, Oregon.
Willamette University, A.B., 1927.

Hummelt, Bernard W., LaGrande, Oregon.
University of Oregon, 1925-1927.
Hutchens, Wendell H., Portland, Oregon.
Pacific College, B.S., 1928.
Hutt, Clyde B., Yamhill, Oregon.
University of Oregon, B.S., 1929.
Jones, Melville S., Salem, Oregon.
University of Oregon, B.S., 1929.
Kuhn, Clifford W., Lebanon, Oregon.
University of Oregon, A.B., 1928.
Landers, Ellery L., Portland, Oregon.
University of Oregon, 1923-1928.
LeCompte, George A., Portland, Oregon.
University of Washington, 1925-1927.
Lewis, Herbert D., Marshfield, Oregon.
University of Idaho, B.S., 1929.
Lewis, Henry R., Portland, Oregon.
University of Idaho, B.S., 1929.
MacDonald, Ralph G., Portland, Oregon.
Albany College, A.B., 1927.
McVay, John P., Portland, Oregon.
University of Washington, B.S., 1928.
Miller, August E., Portland, Oregon.
Idaho Technical Institute,
University of Idaho, 1924-1926-1927.
Minas, Frank A., Portland, Oregon.
University of Idaho, B.S., 1925.
Montgomery, Thomas R., Portland, Oregon.
University of Oregon, A.B., 1929.
Moore, Leo V., Moro, Oregon.
University of Oregon, 1924-1928.
Moren, W. Clarence, Yakima, Washington.
University of Washington, A.B., 1929.
Overstreet, Robin M., Portland, Oregon.
University of Oregon, A.B., 1929.
Proffitt, J. Claude, Dayton, Oregon.
University of Oregon, A.B., 1926.
Putnam, John F., Fossil, Oregon.
Reed College, 1923-1924.
University of Oregon, 1926-1927.
Rafferty, Frank W., Astoria, Oregon.
University of Oregon, A.B., 1929.
Roberts, Joseph E. M., Portland, Oregon.
University of Oregon, A.B., 1929.
Ross, Alexander T., Honolulu, Hawaii.
Stanford University, A.B., 1928.
Russell, John P., Milwaukie, Oregon.
Willamette University, A.B., 1928.
Russell, Leland G., Billings, Montana.
State College of Washington, B.S., 1928.
Seitz, Clifford D., LaGrande, Oregon.
University of Oregon, A.B., 1929.
Stokesbary, Delbert L., Corvallis, Oregon.
University of Oregon, A.B., 1929.
Strickland, Graeme H., Forest Grove, Ore.
Pacific University, A.B., 1928.

Swett, William J., Portland, Oregon.
Reed College, A.B., 1928.
Vidgoff, Ben, Portland, Oregon.
Reed College, 1925-1927.

Young, William L., Portland, Oregon.
University of Montana, B.S., 1928.

Second Year 57

CLASS OF 1933

Abele, John F., Portland, Oregon.
University of Oregon, 1926-1929.
Andrew, Bessie J., Portland, Oregon.
University of California, M.A., 1928.
Bain, Lyle M., Albany, Oregon.
University of Oregon, A.B., 1920.
Benz, Emil J., Portland, Oregon.
State College of Washington, 1916-1918.
Reed College, 1928-1929.
Blatchford, Clarence R., Salem, Oregon.
Willamette University, A.B., 1927.
Bracher, Allen N., Portland, Oregon.
Oregon State Agric. College, 1924-1925.
University of Oregon, 1925-1929.
Brill, Joseph, Portland, Oregon.
Reed College, A.B., 1929.
Colcock, Bentley P., Seattle, Washington.
University of Washington, B.S., 1929.
DeBusk, Roger W., Eugene, Oregon.
University of Oregon, 1925-1929.
Dow, Robert S., McMinnville, Oregon.
Linfield College, B.S., 1929.
Dowsett, Jack, Gresham, Oregon.
University of Oregon, 1926-1929.
Emigh, Harriet F., Spokane, Washington.
Whitman College, B.S., 1926.
Erickson, Harold M., Portland, Oregon.
University of Washington, 1926-1928.
University of Oregon, 1928-1929.
Evans, John W., Salem, Oregon.
Willamette University, 1926-1929.
Fuller, Melvin F., Portland, Oregon.
University of Idaho, 1923-1929.
Gantenbein, Calvin E., New York City.
Reed College, 1923-1929.
University of Oregon, 1927-1928.
Gettelman, Eugene, Portland, Oregon.
University of Washington, B.S., 1929.
Gilleland, James L., Pullman, Washington.
State College of Washington, B.S., 1929.
Haddon, Joseph E., Portland, Oregon.
University of Washington, B.S., 1929.
Harris, David M., Seattle, Washington.
University of Washington, B.S., 1928.
Havlina, John M., Portland, Oregon.
Washington State Normal, 1925-1928.
University of Washington, 1928-1929.
Henry, Robert T., Portland, Oregon.
University of Idaho, 1924-1927.
State College of Washington.
Hess, Orrin R., Portland, Oregon.
Oregon State Agric. College, 1926-1929.
Holder, Thomas D., Paisley, Oregon.
University of Oregon, A.B., 1928.
Hyatt, Benson, Portland, Oregon.
University of Oregon, 1926-1928.
Oregon State Agric. College, 1928-1929.
Ilge, Alfred H., Portland, Oregon.
Oregon State Agric. College, B.S., 1927.
Johnson, Eric C., Portland, Oregon.
University of Washington, 1927-1929.
Johnsrud, Russell L., Portland, Oregon.
University of Oregon, 1926-1929.
Johnstone, Arthur E., Corvallis, Oregon.
Oregon State Agric. College, 1924-1929.
Keane, Roger H., Pendleton, Oregon.
State College of Washington, 1923-1928.
University of Oregon, Sumner, 1929.
Keizer, Ennis R., North Bend, Oregon.
University of Oregon, 1926-1929.
King, Albert T., Mitchell, Oregon.
University of Oregon, 1926-1929.

Leton, Morris L., Portland, Oregon.
Oregon State Agric. College, 1924-1928.
Lloyd, Robert W., Portland, Oregon.
University of Oregon, 1926-1929.
Logan, Hugh D., Seaside, Oregon.
University of Oregon, 1925-1929.
Long, Donald M., Portland, Oregon.
Oregon State Agric. College, 1925-1929.
Loree, David R., McMinnville, Oregon.
Linfield College, B.S., 1927.
Lucas, Oscar C., Portland, Oregon.
University of Washington, B.S., 1929.
Maclay, Samuel S., Lo Lo, Montana.
University of Montana, A.B., 1922.
McGowan, Donald O., The Dalles, Oregon.
University of Oregon, 1926-1929.
McGraw, Lowell S., Portland, Oregon.
Oregon State Agric. College, B.S., 1929.
Martin, William C., Portland, Oregon.
Seattle Pacific College, 1924-1926.
University of Washington, 1927-1929.
Moore, Leo V., Moro, Oregon.
University of Washington, 1925-1929.
Norton, Henry H., Eugene, Oregon.
University of Oregon, A.B., 1929.
Perozzi, Thelma, Ashland, Oregon.
University of Oregon, A.B., 1929.
Phetteplace, Dale O., Portland, Oregon.
University of Oregon, 1926-1929.
Rankin, Frederick O., Portland, Oregon.
University of Oregon, 1926-1929.
Reuter, Ernest G., Portland, Oregon.
Reed College, A.B., 1926.
Rhind, Earl S., Portland, Oregon.
University of Washington, B.S., 1929.
Schatz, Milton M., Portland, Oregon.
University of Washington, 1927-1929.
University of Oregon, Summer, 1928.
Sewall, Ralph J., Portland, Oregon.
University of Oregon, 1926-1929.
Shiach, John M., Portland, Oregon.
University of Oregon, 1926-1929.
Shusholm, Clarence W., Portland, Oregon.
University of Oregon, 1926-1928.
Reed College, 1928.
Smith, Courtney M., Portland, Oregon.
University of Washington, 1927-1928.
University of Oregon, 1928-1929.
Smith, Edgar N., Dufur, Oregon.
University of Oregon, 1926-1929.
Snyder, George A. C., Portland, Oregon.
University of Oregon, 1926-1929.
Sohler, Frank E., Jr., Healdsburg, Calif.
University of Oregon, A.B., 1929.
Stephenson, Dan N., Eugene, Oregon.
University of Oregon, 1925-1929.
Stolzheise, Ralph M., Salem, Oregon.
Willamette University, A.B., 1926.
Swanson, Florence L., Seattle, Washington.
University of Washington, B.S., 1924.
Tamura, Joe T., The Dalles, Oregon.
University of Oregon, B.S., 1925.
TenEyck, Glenn, Sandy, Oregon.
University of Oregon, 1926-1929.
Thorstenberg, Edward S., Portland, Oregon.
University of Oregon, 1924-1929.
Wiley, James W., Portland, Oregon.
University of Oregon, 1925-1927.
Reed College, 1927-1929.

First Year 64

| GRADUATE STUDENTS, 1929-1930 | TOTAL ENROLLMENT, 1929-1930 | | |
|-----------------------------------|-----------------------------|-------|-------|
| | Men | Women | Total |
| Schwichtenberg, Charlotte. | | | |
| Reed College, A.B., 1924. | 60 | 4 | 64 |
| Smith, Vera Florence. | 54 | 3 | 57 |
| Reed College, A.B., 1928. | 55 | 5 | 60 |
| Veazie, Lyle. | 43 | 2 | 45 |
| University of Oregon, A.B., 1928. | 212 | 14 | 226 |
| | Graduate | 3 | 3 |
| | Special | 5 | 5 |
| | Total | 22 | 234 |

SPECIAL STUDENTS, 1929-1930

Bump, Leona Katherine.
Hemstock, Wilma Lucille.
Hettelsater, Marian Nash.
Strube, Marie Louise.
Wolf, Harriet Rose.