

LD
4356
A3
pg. 176

University
of Oregon
Bulletin

UNIVERSITY
OF OREGON
MEDICAL
SCHOOL
PORTLAND

1972-73

UNIVERSITY OF OREGON

MAY 11 1973

LIBRARY

Oregon State
System of
Higher Education

UNIVERSITY OF OREGON BULLETIN

No. 176

AUGUST 1972

Second-class postage paid at Eugene, Oregon. Issued nine times a year, in February, March, April, May (two issues), June, July (two issues), and August. Published by the Oregon State Board of Higher Education, at the University of Oregon, Eugene, Oregon 97403.

TABLE OF CONTENTS

OREGON STATE SYSTEM OF HIGHER EDUCATION	4
State Board of Higher Education	5
State System of Higher Education Officers	6
OFFICERS OF ADMINISTRATION	7
1972-73 CALENDAR	8
1 GENERAL INFORMATION FOR STUDENTS	9
History and Physical Facilities	10
Accreditation	13
Administration	13
Instruction	13
Research	15
Library	15
Alumni Association	15
Student Organizations, Activities and Athletics	16
Housing	17
Health Service	17
Fees and Expenses	18
Fellowships, Scholarships, Grants-in-Aid, Awards	21
Loan Funds	23
2 ADMISSIONS AND SCHOLASTIC REGULATIONS	27
Admission Requirements	28
Processing of Applications	30
Scholastic Regulations	31
3 CURRICULUM IN MEDICINE	33
Course Numbering System	35
4 DESCRIPTION OF COURSES	37
Conjoint Courses—Basic Medical Science	38
Anatomy	39
Biochemistry	40
Experimental Biology	42
Medical Genetics	42
Medical Psychology	43
Microbiology	45
Pathology	46
Pharmacology	48
Physiology	48
Conjoint Courses—Clinical Science	50
Anesthesiology	51
Clinical Pathology	51
Dermatology	52
Family Practice	52
Medicine	53
Obstetrics and Gynecology	59
Ophthalmology	66
Otolaryngology	61
Pediatrics	61
Psychiatry	62
Public Health and Preventive Medicine	64
Radiologic Diagnosis	65
Radiation Therapy	65
Surgery	66
5 ALLIED HEALTH AND OTHER INSTRUCTIONAL PROGRAMS	71
Medical Technology	72
Cytotechnology	77
Hospital Dietetics	77
Nuclear Medicine Technology	77
Orthoptics	78
Radiation Therapy Technology	78
Radiologic Technology	78
Continuing Medical Education	79
Graduate Studies	80
Internship and Residency Programs	81
School of Nursing	81
6 MEDICAL SCHOOL FACULTY	83
7 ENROLLMENT AND DEGREES	127
CAMPUS MAP	iv



1972-73
CATALOG

University of
Oregon
MEDICAL
SCHOOL

3181 S.W. Sam
Jackson Park Road
Portland, Oregon 97201

Education with a Purpose

Medical care and the education of future physicians, nurses and health workers of all kinds in the United States are undergoing rapid change and expansion. Strikingly new surgical techniques and therapeutic advances are being employed by the profession in the care of the sick; fresh ideas in the approach to the teaching of physicians, nurses and those in the allied health professions are being employed; new medical facilities are being built and others are in the design stages.

This is being done to meet the challenge brought about by the enormous expansion of medical knowledge in the past few decades and the demands placed on doctors and educators alike to cope with the emerging needs in Oregon and the nation to provide adequate health care to all citizens.

The basic purpose of the University of Oregon Medical School is to teach qualified young men and women the art and science of medicine, nursing and allied health sciences and to offer graduate work in the sciences basic to medicine and nursing. Its clinical facilities, in addition to serving as teaching laboratories, provide the community with needed medical services. Investigations into the causes and treatment of disease are a natural adjunct to the teaching programs and today the University of Oregon Medical School conducts a vast and important program of medical research.

The institution provides instructional and training programs in a number of health science areas. The basic charge is to offer a curriculum leading to the degree Doctor of Medicine. The institution also has responsibility for providing curricula leading to the Bachelor of Science degree in Nursing, the Master's degree in Nursing Education, and the Master's degree in Nursing, Bachelor's and Master's degrees in Medical Technology, and programs leading to Master's and Doctoral degrees in the sciences basic to medicine—oftentimes conferred jointly with the Doctor of Medicine degree. Additionally, the institution offers course work in the allied health education programs leading to degrees or certification. Extensive training programs are conducted for interns, residents and fellows, and the Medical School sponsors ongoing programs of continuing health education for physicians, nurses, and those in the allied health sciences in Oregon and in the Northwest states.

The opportunities for improving medical knowledge and applying it to human welfare in the years to come will continue to mount. Today—and tomorrow—the average resident in Oregon and in the United States can look forward confidently to a level of health and a life span beyond the highest expectations of his parents and grandparents.

OREGON
STATE
SYSTEM OF
HIGHER
EDUCATION

An Overview

The Oregon State System of Higher Education, organized in 1932, provides educational opportunities to young people and adults throughout the State of Oregon. Member institutions are elements of an articulated system, parts of an integrated whole.

Opportunities for general education are distributed as widely as possible throughout the state, while specialized professional and technical programs are centered at specific institutions.

The institutions of the State System of Higher Education are Oregon State University at Corvallis, the University of Oregon at Eugene, Portland State University at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at La Grande, and Oregon Technical Institute at Klamath Falls. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland. The Division of Continuing Education represents all the institutions in making college level courses and special programs available to all citizens. The Division has offices in Salem and Roseburg as well as on most OSSHE campuses.

An interinstitutional booklet, "Your Education," lists fields of study at all State System institutions, and gives other important information for prospective students. For a free copy, write "Your Education," State Board of Higher Education, P.O. Box 3175, Eugene, Oregon 97403.

State Board of Higher Education

Board members are appointed to four-year terms by the Governor of Oregon with confirmation by the State Senate.

MEMBERS OF THE BOARD

	Term Expires
George H. Corey, Pendleton	1975
Robert D. Holmes, Portland	1977
Elizabeth H. (Mrs. Samuel S.) Johnson, Redmond	1974
Philip A. Joss, Portland	1976
George Layman, Newberg	1976
John D. Mosser, Beaverton	1976
John W. Snider, Medford	1975
Loran L. Stewart, Eugene	1977
Edward G. Westerdahl, II, Portland	1973

OFFICERS OF THE BOARD

George H. Layman	President
John W. Snider	Vice President
<hr/>	
Roy E. Lieuallen	Chancellor
Richard L. Collins	Secretary of Board

Office of State Board of Higher Education

Post Office Box 3175

Eugene, Oregon 97403

Oregon State System of Higher Education Officers

Roy E. Lieuallen, Ed.D., L.H.D., Chancellor

Robert W. MacVicar, Ph.D.
President, Oregon State University

Robert D. Clark, Ph.D.
President, University of Oregon

Leonard W. Rice, Ph.D.
President, Oregon College of Education

Charles N. Holman, M.D.
Dean, University of Oregon Medical School

Averno M. Rempel, Ph.D.
President, Eastern Oregon College

Louis G. Terkla, D.M.D.
Dean, University of Oregon Dental School

James K. Sours, Ph.D.
President, Southern Oregon College

Gregory B. Wolfe, Ph.D.
President, Portland State University

Winston D. Purvine, A.B., LL.D.
President, Oregon Technical Institute

Freeman Holmer, M.A.....Vice Chancellor for Administration
J. I. Hunderup, M.B.A., C.P.A.Vice Chancellor for Facilities Planning
Miles C. Romney, Ph.D.....Vice Chancellor for Academic Affairs
Donald R. Larson, B.A.....Assistant Chancellor, Director of Public Services
Keith Jackson, M.S.....Budget Director
Richard L. Collins, M.A., C.P.A.....Secretary, Board of Higher Education

University of Oregon Medical School

OFFICERS OF ADMINISTRATION

Charles N. Holman, M.D., Dean

M. Roberts Grover, Jr., M.D., Associate Dean

William A. Zimmerman, B.S., Associate Dean for Business Affairs

Joseph J. Adams, B.B.A., Assistant Dean

Richard L. Sleeter, M.D., Assistant Dean*

Michael D. Baird, M.D., Medical Director and Administrator, Hospitals and Clinics

Gwynn C. Brice, Administrative Director, Central Services, Hospitals and Clinics

Gary J. Rood, M.A., Administrator, University of Oregon Medical School Hospital

Barbara Hiatt, M.S., R.N., Administrator, University State Tuberculosis Hospital

Max F. Kersbergen, M.S., Administrator, Outpatient Clinic ; Assistant Administrator, Multnomah Hospital

Richard L. Sleeter, M.D., Director, Crippled Children's Division

A. J. Clemons, Director, Facilities Planning

Wilson C. Dockery, B.S., Director, Student Activities Building

John Doerfler, B.A., Director, Research Services

Dallas G. Finnell, B.S., Director, Development

Richard Herren, Director, Instructional Aids

Margaret E. Hughes, B.S., Librarian

Robert A. Jellum, B.S., Budget Officer

George I. Johnston, B.S., Director, Research Instrument Service

Mary Ann Ademino Lockwood, B.A., Director, Publications

Kenneth A. Niehans, B.A., Director, Public Affairs

M. R. Parelius, M.Sc., LL.B., Business Manager

Walter A. Petersen, M.S., Director, Computer Center

Byron E. Phillips, B.A., Personnel Officer

William H. Prentice, Director, Program Planning

Allan L. Rogers, B.S., Director, Animal Care

Dick B. Speight, A.B., Registrar ; Director, Admissions ; Student Financial Aid Officer

Agnar A. Straumfjord, M.D., Director, Health Service

Ralph Tuomi, B.S., Director, Physical Plant

Joseph B. Vander Veer, Jr., M.D., Director, Emergency Services

Charles J. Zerzan, Jr., M.D., Director, Continuing Medical Education

* Deceased.

1972-73
CALENDAR

MEDICAL AND GRADUATE STUDENTS*

Fall Term, 1972

September 18, *Monday* Registration
September 19, *Tuesday* Instruction begins; last day for
medical students to pay fees
September 22, *Friday* Last day for graduate students to
register and to pay fees
October 2, *Monday* Last day to register for full credit
or to change courses
October 23, *Monday* Veterans Day, holiday
November 23 to 26, *Thursday* through *Sunday* Thanksgiving holiday
December 9, *Saturday* Fall term ends

Winter Term, 1972-73

December 11, *Monday* Instruction begins
December 12, *Tuesday* Last day for medical students to pay fees
December 15, *Friday* Last day for graduate students to
register and to pay fees
December 21, *Thursday* Last day to register for full credit
or to change courses
December 22, *Friday*, through January 1 Christmas vacation
February 5, *Monday* Lincoln's Birthday, holiday
February 19, *Monday* Washington's Birthday, holiday
March 10, *Saturday* Winter term ends

Spring Term, 1973

March 19, *Monday* Instruction begins
March 20, *Tuesday* Last day for medical students to pay fees
March 23, *Friday* Last day for graduate students to
register and to pay fees
April 2, *Monday* Last day to register for full credit
or to change courses
May 28, *Monday* Memorial Day, holiday
June 8, *Friday* Commencement
June 9, *Saturday* Spring term ends

Summer Term, 1973

June 18, *Monday* Instruction begins
June 19, *Tuesday* Last day for medical students to pay fees
June 22, *Friday* Last day for graduate students to
register and to pay fees
July 2, *Monday* Last day to register for full credit
or to change courses
July 4, *Wednesday* Independence Day, holiday
September 3, *Monday* Labor Day, holiday
September 6, *Saturday* Summer term ends

1

GENERAL INFORMATION FOR STUDENTS



GENERAL INFORMATION

The University of Oregon Medical School is located in Portland (population 383,000), the largest city in the state of Oregon. Situated on the Willamette River near its junction with the Columbia River, Portland is a city of diverse business and industrial activities and, although 85 miles from the Pacific Ocean, an important seaport. The city is well known for its beautiful homes, parks, and boulevards and for its mild climate. The foothills of the Cascade Mountains rise on the outskirts of Portland; Mt. Hood, one of the major peaks in the range, towers on the southeastern horizon.

History

Medical education in the Pacific Northwest had its beginning in 1867 when courses and lectures were offered to medical students by the medical department of Willamette University in Salem. After ten years of operation it was decided that the medical department should move to Portland, where the metropolitan advantages of greater population and more hospitals would aid in providing a more complete teaching program.

During this period a group of Portland physicians petitioned the Board of Regents of the University of Oregon to grant a charter for a medical school to be located in Portland. In 1887 the charter was granted and the University of Oregon Medical School became a reality—in a two-room building in northwest Portland.

In 1895 the Willamette University medical department returned to Salem. Because of the limited facilities in that city and the lack of funds to continue operation, it merged with the University of Oregon Medical School in 1913. Under terms of the merger, the students of Willamette medical department were transferred to the University of Oregon Medical School and received diplomas indicating the consolidation. At the same time the alumni groups also merged.

In 1919 the Medical School moved to its present campus, on a 101-acre tract in Sam Jackson Park overlooking the city of Portland—away from the congested area but within one-and-one-half miles of the business district. The original tract included 20 acres donated in 1917 by the Oregon-Washington Railroad and Navigation Company and 88 acres given by the late Mrs. C. S. Jackson and the late Philip Jackson in memory of C. S. Jackson, publisher of the *Oregon Journal*. In 1958, the Oregon State Board of Higher Education accepted the gift of an additional 27 acres from the Journal Publishing Company.

Because the location provided an ideal setting for medical center buildings and affiliated units, the University of Oregon Medical School in 1920 conveyed to Multnomah County nine acres of the campus for the construction of a general charity hospital; in 1926 a 25-acre tract was deeded to the United States government as the site of the U.S. Veterans Hospital.

From 1919 to the present, great advances have been made in the development of the Medical School. The depth and scope of its various programs have continued to expand until today the School has a beautiful campus, fine hospitals, clinics and an excellent faculty.

Physical Facilities

The physical facilities of the University of Oregon Medical School are valued at approximately \$64,600,000 and are keeping pace with the School's expanding programs of education, research and public service.

PHYSICAL FACILITIES

The First Medical Science Unit (1919), of what is now called *Mackenzie Hall*, a three-story structure, was financed through an appropriation of \$110,000 by the 1917 State Legislature and by cash donations amounting to \$25,000 from Portland citizens. The second unit (1922), was financed through an appropriation of \$113,000 by the 1921 State Legislature, matched by an equal appropriation from the General Education Board of New York. It is five stories high, similar in construction to the first unit, but has twice its capacity. An additional \$50,000 was appropriated by the General Education Board for equipment. A three-story laboratory wing was added in 1939.

The *Outpatient Clinic* (1931, 1968), open to patients throughout the state of Oregon who are without funds to provide for their medical care or who are referred by their physician for consultation and treatment, affords teaching facilities for the clinical branches of the Medical School. Approximately 163,000 patient visits are recorded annually. Funds for the construction of the original building were provided through a gift of \$400,000 from the General Education Board of New York. The Outpatient Clinic had its origin in the Portland Free Dispensary founded in 1907 by the People's Institute, a private philanthropic institution. The dispensary affiliated with the Medical School in 1909 and moved to the campus in 1931. A \$2.5 million, seven-story addition to the Clinic was completed in 1968.

Multnomah Hospital (1923, 1950, 1969), constructed through funds supplied by Multnomah County, has a capacity of 334 beds with facilities for general medical, surgical, and obstetrical patients. The Multnomah Hospital group includes the *Heating Plant* (1923) and the *Emma Jones Hall* (1927). Under terms of a contractual arrangement between the commissioners of Multnomah County and the Oregon State Board of Higher Education, the Medical School has access to the hospital for teaching purposes, and the professional staff of the hospital is appointed by the Medical School. This arrangement provides a most successful affiliation for teaching, research and care of the sick. A six-story addition to Multnomah Hospital was opened in the spring of 1969. This \$3.4 million project added 64 patient care beds, a 20-bed psychiatric crisis unit and seven new operating rooms to the facilities.

The *University State Tuberculosis Hospital* (1939) has a 79-bed capacity and a large outpatient unit, the *Julius L. Meier Memorial Clinic*. The hospital has medical and surgical facilities for teaching medical students, interns, residents, and nurses. Funds for the hospital were provided through a state appropriation of \$110,000, a Public Works Administration grant of \$130,900 and a gift from Mrs. Grace R. Meier, Mrs. Jack Meier, Mrs. Joseph Ehrmann, Jr., and Mrs. Frederick Ganz, in memory of Julius L. Meier.

The *Library and Auditorium* (1939, 1967), was erected through a gift of \$100,000 from Dr. John E. Weeks, a gift of \$100,000 from the Rockefeller Foundation, and a grant of \$163,500 from the Public Works Administration. The *Auditorium*, with a seating capacity of 600, affords facilities for lectures and scientific meetings.

Renovation and expansion of Library facilities was completed in 1967 at a cost of \$305,000. As a result, one large and six small study rooms were added as were typing, work and duplicating rooms and additional stack tiers.

Gaines Hall (1930), formerly the Portland Medical Hospital, was purchased in 1943 to provide needed housing facilities for students in the School of Nursing. This residence was converted to a general medical services building in 1965.

The *Laboratory and Administration Building* (1949) was financed through a state appropriation of \$663,000. The building houses facilities for basic science departments, together with administrative offices for the Medical School.

GENERAL INFORMATION

The *Physical Plant Shop and Warehouse* (1953), provides shop facilities and a central warehouse for the Physical Plant Department and houses the central services unit—printing, personnel and medical graphics. The building was financed by a state appropriation of \$71,000. A \$48,000 addition to the structure was added in 1958 and a second addition to the building, costing \$200,000, was completed in June 1960.

The *Crippled Children's Division Building* (1954) has modern office space and clinical facilities for the statewide crippled children's service administered by the Medical School. It was financed through a \$280,000 appropriation approved by the 1953 Legislature.

The *Child Development and Rehabilitation Center* (1970) provides facilities for primary diagnostic treatment and rehabilitation services for mentally retarded children under the age of 21 and for the demonstration to and teaching of students of all medical, dental and allied health disciplines. The \$3,720,000 Center was financed by a State appropriation of \$981,000 and a \$2,736,000 construction grant from the U.S. Public Health Service.

The *University of Oregon Medical School Hospital* (1955, 1972), a 377-bed teaching and research hospital, was completed in the fall of 1955 at a cost of approximately \$6,300,000. Funds for the construction of the hospital were provided principally from state appropriations, supplemented by several gifts and grants. The hospital contains 241 beds for general, medical, and surgical patients, 26 beds for psychiatric care, and 110 beds for pediatrics (*Doernbecher Memorial Hospital for Children*).

The original Doernbecher Memorial Hospital for Children was built in 1926. It was financed through a gift of \$200,000 by Mrs. E. W. Morse and Edward Doernbecher, in memory of their father, the late F. S. Doernbecher, and by other gifts totaling \$120,000. The original hospital building was remodeled in 1957 at a cost of \$336,779 for clinical laboratory facilities, departmental offices, clinic facilities, and student teaching laboratories.

The *Medical School Hospital Addition*, completed in 1972, is a nine-story wing attached to the east side of the original structure. It houses expanded food service and laundry facilities. New and modernized surgical and expanded radiology (therapy) facilities are also provided in the new area along with an additional 112 patient beds. The addition, costing \$6,463,000, was financed from state appropriations and matching funds provided by the National Institutes of Health.

The *Basic Science Classroom and Laboratory building* (1972) is a seven-story structure financed from state appropriations and matching funds from the National Institutes of Health. The \$5,643,000 structure provides new student classrooms and laboratories and quarters for the biochemistry, microbiology and pathology departments.

The *Student Activities Building* (1960), built at a cost of \$358,000, is a two-story structure providing recreational facilities for all student groups on the campus.

The *Medical Research Laboratories Building* (1962), built at a cost of \$2,611,955, was financed through a state appropriation and matching funds from the National Institutes of Health, U.S. Public Health Service. The entire nine-story building is used for medical research. Animal care and housing facilities are contained in the building.

The *Women's Residence Hall* (1964), a modern, \$855,000 structure, houses 170 women students from the Medical, Nursing, and Dental Schools.

The *Parking Structure* (1967), is a four-story, \$837,000, reinforced concrete building providing for metered public parking as well as employee and faculty parking. The structure holds approximately 416 automobiles on the four levels and is part of an overall expansion program to provide parking facilities in proximity to the core area of the campus.

The *Medical School Farm*, on 180 acres southwest of Portland, was purchased in 1961 to house and breed animals for teaching and investigative programs. The farm is ideally suited to the raising and breeding of animals in their natural environments.

Although not a part of the physical facilities of the University of Oregon Medical School proper, the *U.S. Veterans Administration Hospital*, located adjacent to the campus, serves as one of the teaching units of the Medical School. Established in 1928, this government-owned facility has 518 beds. The teaching program includes clinical experience for medical students as well as advanced residency programs. Coordinating the residency program is the responsibility of the Dean's Committee for the Portland Veterans Administration Hospital.

Construction of two additional buildings on the Medical School campus was completed in 1962: new headquarters for the Portland Center for Hearing and Speech, adjacent to the Crippled Children's Division Building, and a fire station, erected by the city of Portland on a site near the Veterans Hospital.

Accreditation

The University of Oregon Medical School is one of 113 accredited schools of medicine in the United States. It is approved by the American Medical Association and by the Association of American Medical Colleges. (The most recent visit of the accrediting team occurred in 1969.) Its residency programs have been approved by the Council on Medical Education and Hospitals of the American Medical Association and by the respective American boards (see page 81). In addition, special programs are approved by the American Dietetic Association, the Council of Medical Education and Hospitals of the American Medical Association, the American Registry of Radiologic Technologists, the American Society of Clinical Pathologists, the National League for Nursing, the American Orthoptic Council and the American College of Radiology.

Administration

Although the Medical School, chartered by the Board of Regents of the University of Oregon in 1887, has administrative and faculty autonomy, the academic position of the School as an integral part of the University of Oregon is established in its charter and is recognized under the organizational plan of the Oregon State System of Higher Education. A legislative act more than thirty years ago combined all of Oregon's state-operated institutions of higher education into the Oregon State System of Higher Education, which is administered by a nine-member lay board appointed by the Governor. The Chancellor is the chief executive officer.

Instruction

Medicine is such a broad and extensive field that it is difficult for the faculty of the Medical School to teach the students in four years all that is required for the prac-

GENERAL INFORMATION

tice of medicine. The objective of a medical education is to enable the student to acquire the requisite amount of basic factual material, a desire to continue his education as long as he remains active or interested in medicine, the ability to evaluate objectively current trends and new advances in medicine, and the attitudes and ideals that are implied in accepting medicine as a "way of life" rather than merely a way of earning a living. The student must understand that high ethical standards are required in both his personal and professional conduct. The overall education of a physician should not only make him proficient in the science and art of medicine, but should also fit him to assume effectively the civic and social responsibilities associated with his position in the community.

The student is not expected to learn all the skills of any specialty in medical school, but should acquire the fundamentals which will enable him, with further training, to enter any field of general or specialty practice, research, or teaching.

The University of Oregon Medical School provides a curriculum leading to the degree of Doctor of Medicine. This program begins with an introduction to the normal structure and function of the human body, and continues with a study of the effects of disease and the methods of diagnosis of disease. The clinical portion of the program is taken in the wards of the School's hospitals and in the Outpatient Clinic, where students learn under careful supervision and guidance how to apply their scientific knowledge to the care of patients and the prevention of disease.

The Medical School also offers two special programs of study for outstanding students. One leads to both the medical degree and the Master of Science degree and is five years in length. The other offers the M.D. and Ph.D. and is of seven years duration.

These programs, offered through the basic science departments of the Medical School—anatomy, biochemistry, microbiology, pathology, pharmacology, physiology, and medical psychology—are open to a few selected students each year. Students entering the program pursue a combined course of medical and graduate studies and spend summers and parts of the regular academic years in graduate study. These programs afford an unparalleled opportunity for review and consolidation of basic science concepts at a time when the student has had sufficient clinical training to enable him better to appreciate the importance of the basic sciences in relation to clinical medicine. It provides research experience and advanced basic science training desirable for students expecting to enter medical research and teaching as a career and a superior scientific background for clinical medicine.

Five-year and seven-year medical students assist with teaching in medical laboratory courses during the school year, and with research. In recognition of the value of such students to the departments concerned, and of the necessity of postponing the acquisition of the M.D. degree, such "student assistantships" are accompanied by remunerations.

The Medical School also offers regular programs of graduate work leading to the Master of Science and Doctor of Philosophy degrees, in the basic sciences (see Graduate Studies Catalog), and conducts training programs for residents and interns in the School's Hospitals and Clinics.

The University of Oregon School of Nursing provides an important instructional program on the Medical School campus. Courses in medical technology and radiologic technology, nuclear medicine technology, orthoptics, radiation therapy technology and a one-year internship in dietetics also are offered. Each year the Medical School conducts an extensive postgraduate program for physicians in the states of the Pacific Northwest, British Columbia, and Alaska (see also page 79).

Research

Although the primary purpose of the University of Oregon Medical School is teaching medical students the science and art of medicine, another and equally important function is investigation into the causes and treatment of disease.

In the worldwide struggle to improve the health and happiness of mankind, millions of research dollars are expended annually in the nation's medical schools. Oregon is no exception. Investigations underway at the Medical School are supported by gifts and grants amounting to more than \$5,000,000 annually. These funds are made available by private individuals and industry, by foundations and societies, and by the State and Federal governments.

Currently, more than 300 research projects are being conducted at the School in virtually every area of the bio-medical sciences. Contributions made by University of Oregon Medical School investigators to medical knowledge have been numerous and have received worldwide recognition.

Library

The Medical School Library's responsibility is to provide its clientele with literature in the fields of medicine and allied sciences for the purpose of study, reference and research. It exists to perform professional medical library service for an institution concerned with medical education, research and patient care. The extent of coverage depends on the strength of the teaching departments and the demands made upon the Library by those who use it. Research coverage is available in most areas to carry on extensive investigative work at the doctoral level to fill the needs of physicians, medical educators, medical research workers, medical students, graduate students in the basic sciences, nursing faculty, student nurses, graduate nurses.

Instruction is given in the use of the indexes and in the location of material. Medical library service is offered to physicians in Oregon and the Pacific Northwest, through cooperation with the Pacific Northwest Regional Health Sciences Library at the University of Washington in Seattle. Medical books and periodicals may be borrowed from the Library. Reference service is provided. Bibliographic services include the preparation of demand searches for MEDLARS (Medical Literature Analysis and Retrieval System) searching at the National Library of Medicine for all members of the health manpower community.

The Library, containing 130,000 volumes of books, bound and unbound periodicals, and subscribing to 2,500 current periodicals, is the only public general medical library in Oregon for research and use by the health sciences community, both basic and clinical. Contributing to the Library are the Oregon Medical Association, the Oregon State Board of Medical Examiners, the Portland Academy of Medicine, and for the past six years, the Federal government, through the Medical Library Assistance Act of 1965.

Alumni Association

Founded in 1913 the Alumni Association of the University of Oregon Medical School also includes graduates of the Willamette University department of medicine. The association is devoted to the interests of students and graduates and to the encouragement of scientific and professional progress among members of the

GENERAL INFORMATION

medical profession generally. Its membership numbers more than 2,700. In the spring of each year, the Alumni Association sponsors a three-day scientific meeting with about 400 registrations.

Alumni Association officers for 1972-73 are:

Albert A. Oyama, M.D., '53, Portland.....	President
Ernest T. Livingstone, M.D., '51, Portland.....	Vice President
Dudley M. Bright, M.D., '62, Salem.....	Vice President
Lucille M. Kellmer Champion, M.D., '46, N. Little Rock, Arkansas..	Vice President
James Y. Liu, M.D., '69, Fresno, California.....	Vice President
Leo J. McMahon, M.D., '63, Lander, Wyoming.....	Vice President
Richard A. Lalli, M.D., '56, Portland.....	Treasurer
John D. O'Hollaren, M.D., '47, Portland.....	Secretary
Joseph J. Adams	Executive Secretary

Student Organizations

Student American Medical Association. Medical students have an opportunity to join the Student American Medical Association (SAMA), a national medical student organization. The purpose of SAMA is to represent medical student interests on a national scale. Membership is voluntary and on an individual basis. Locally, SAMA, in addition to planning student activities, sponsors scientific noon-hour programs and a file of summer employment for medical students. It also makes available to students life and hospital insurance programs. Annual dues include a subscription to the SAMA publication, the *New Physician*.

Alpha Omega Alpha. Alpha of Oregon chapter of Alpha Omega Alpha, medical honor society for men and women, was installed at the University of Oregon Medical School in 1923. It is the aim of members to promote its ideals, to foster the scientific and philosophical features of the medical profession, to look beyond the self to the welfare of the profession and of the public, to cultivate social mindedness as well as an individualistic attitude toward responsibilities, to show respect for colleagues and especially for elders and teachers, to foster research, and in all ways to ennoble the profession of medicine and advance it in public opinion. Selection of AOA is made by the active members each spring from the junior and senior classes on the basis of scholarship achievement and character.

There is one medical fraternity for men at the University of Oregon Medical School—Phi Beta Pi.

Women students are members of the Oregon section of the American Medical Women's Association.

Alumni of these groups take an active interest in their affairs, and the association of alumni, faculty, and student members constitutes an important benefit of membership.

Christian Medical Society. CMS, a non-denominational Christian fellowship, provides students and graduates the opportunity to relate or investigate the relationship of Jesus Christ to their personal lives and their profession through weekly Bible discussion groups, special guest speakers, social gatherings, and literature communications.

MA). During the school year wives of medical students meet for social activities and welfare projects. A program of interest to all members is planned for each of the business meetings. Small groups, "social clubs," also meet frequently. Membership in the auxiliary is about 150.

Interns and Residents Auxiliary of Portland. Wives of interns and residents in Portland hospitals meet each month for a program, social activities, and the planning of service projects. Meeting place is rotated among the Portland hospitals.

Social Activities and Athletics

General invitations are extended to all students to attend special lectures and meetings at the Medical School. Notices of these events are posted on student bulletin boards. Dances and fraternity get-togethers are planned each year by student organizations. An annual luncheon for freshmen is given by the Alumni Association and a reception for graduates at commencement ceremonies is given by the Faculty Wives' Club. And, of course, all students have access to Portland's metropolitan cultural advantages.

Because of enrollment limitations each year and the highly specialized and concentrated nature of medical subjects, the Medical School is unable to sponsor athletics officially. However, basketball, tennis and squash teams represent the Medical School, and students may participate in an active intramural sports program.

The Student Activities Building, providing recreational and athletic facilities for the use of all students on the campus, was opened in the summer of 1960.

Housing

While no facilities for housing male students are provided by the Medical School, many apartments and boarding houses are located close to the campus. An up-to-date list of rental housing is maintained in the Public Affairs Office in the Administration Building.

Women students under the age of 21 years who provide written parental permission, may reside in housing of their choice. However, students are encouraged to consider the pleasant surroundings and proximity to classrooms and laboratories, hospitals and clinics, which is afforded by living in the Women's Residence Hall. This attractive modern residence for women students is provided primarily for those women enrolled in the Medical School's medical technology and radiologic technology programs, students enrolled in the School of Nursing and for those in the dental hygiene program at the Dental School.

Health Service

The Health Service of the UOMS is available to meet the needs of students and house staff. Outpatient evaluation and treatment can be obtained at the Health Service daily. A student insurance program provides coverage for hospital and emergency services.

Nurses and physicians, including a psychiatrist, are available during the school day. When the Health Service is closed a physician is on call and can be reached

GENERAL
INFORMATION

through the campus operator. The Multnomah Hospital emergency room can also be used for emergencies.

Students registered for nine or more hours graduate credit or 12 or more hours credit in Medical School pay a Health Service fee and are eligible for all services of the Health Service. Students' spouses may establish eligibility for the Health Service (including insurance coverage) upon payment of a quarterly Health Service fee. Hospital insurance can also be obtained for students' children. House staff members and families are eligible for Health Service care. Detailed information is provided in the Health Service pamphlet.

*Fees and Expenses**

Fees and deposits paid by students at the University of Oregon Medical School are as follows:

Regular Fees

Medical Students, Oregon residents, per term:

Tuition	\$247.00
Health Service	33.00
Incidental Fee	11.00
Building Fee	10.00
Total	\$301.00

Medical Students, nonresidents, per term:	New Students Fall 1972	Returning Students Fall 1972
Tuition	\$600.00	\$436.00
Health Service	33.00	33.00
Incidental Fee	11.00	11.00
Building Fee	10.00	10.00
Total	\$654.00	\$490.00

Medical students (11 credit hours or less):

Fee per credit hour, Oregon residents, per term (minimum \$41.00, plus building fee of \$5.00 to \$9.00, depending on number of hours taken)	\$ 20.50
Fee per credit hour, returning nonresidents, per term (minimum \$73.00, plus building fee of \$5.00 to \$9.00, depending on number of hours taken)	\$ 36.50
Fee per credit hour, new nonresidents, per term (minimum \$100.00, plus building fee of \$5.00 to \$9.00, depending on number of hours taken)	\$ 50.00

Graduate students (candidates for M.S., Ph.D.), per term\$264.00

Graduate students enrolled for 8 term hours of work or less, per term hour (minimum, \$46.50, plus building fee of \$5.00 to \$9.00, depending on number of hours taken)\$ 23.25

Graduate students employed as research assistants or fellows, per term\$ 54.00

* The State Board of Higher Education reserves the right to make changes in the rates quoted without notice.

FEE REFUNDS

Deposits

¹ Deposit to reserve place in entering class (applied on tuition)	\$75.00
² Breakage deposit, per year—first and second years	\$15.00
² Breakage deposit, per year—graduate students	\$ 5.00

Special Fees

Registration and laboratory fee for special students, registered for 11 term hours of work or less—\$20.50 per term hour (minimum \$41.00 per term)	
Auditor's fee for lectures, per term hour	\$ 6.00
An auditor is a person who has obtained permission to attend classes without receiving academic credit.	
Transcript fee	\$ 2.00
A fee of \$1.00 is charged for each additional transcript ordered at the same time.	
Evaluation fee	\$10.00
The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission; not refundable.	
Late-registration fee. First day	\$ 5.00
Registration day is the first two days of each term; registration is not complete until the student pays his tuition and fees. The first penalty day for full-time students in medicine and medical technology is the first day after the second registration day. The first penalty day for graduate students is one week after the first day of the term.	
Graduate qualifying examination fee	\$1.00 to \$15.00
Change of program fee, per course	\$ 1.00

Microscopes

Medical students are expected to provide themselves with microscopes. Microscopes are available for students who wish to rent them for a fee of \$30.00 a year.

Estimate of Yearly Expenses

The following table represents only estimates based on current fees and results of student surveys:

Tuition and fees, full-time resident students	\$ 903.00
Tuition and fees, full-time returning nonresident students	1,470.00
Tuition and fees, full-time new nonresident students	1,962.00
Breakage deposit	15.00
Microscope fee	30.00
Books and supplies	135.00
Board and room	1,300.00
Personal expenses	200.00

Fee Refunds

Students who withdraw from the Medical School and who have complied with the regulations governing withdrawals are entitled to certain refunds of fees paid,

¹ See page 30.

² The cost of any damage done by a student to Medical School property is deducted from the deposit; in case the identity of the one responsible cannot be established, a pro-rata charge is made against the entire class of which he is a member.

GENERAL INFORMATION

depending on time of withdrawal. The refund schedule has been established by the Oregon State Board of Higher Education and is on file in the Business Office of the Medical School. Refunds are subject to the following regulations:

- (1) Any claim for refund must be made in writing before the close of the term in which the claim originated.
- (2) Refunds in all cases are calculated from the date of application for refund and not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

Regulations Governing Nonresident Fees

Under the regulations of the Oregon State Board of Higher Education, a minor student whose parent or guardian is a bona fide resident of Oregon qualifies for enrollment under the resident fee. An emancipated student whose domicile is independent of his parent or guardian qualifies for enrollment under the resident fee if he presents convincing evidence that he established his domicile in Oregon six months prior to his first registration in any institution of higher learning in the State of Oregon.

All other students are required to pay the nonresident fee, with the following exceptions: (1) a student who holds a degree from an accredited college or university (however, a nonresident student with a bachelor's degree enrolled in a curriculum at the University of Oregon Medical or Dental School leading to the degree of Doctor of Medicine or Doctor of Dental Medicine is required to pay the nonresident fee); (2) a student attending a summer session.

A student who has been classified as a nonresident *may be* considered for reclassification as a resident:

- (1) In the case of a minor, if his parent or guardian has moved to Oregon and has established a bona fide residence in the state, or
- (2) In the case of an emancipated student whose domicile is independent of that of his parent or guardian, if the student presents convincing evidence that he has established his domicile in Oregon and that he has resided in the state for an entire year immediately prior to the term for which reclassification is sought, and that he has no intention of moving out of the state after completion of his school work.

A student whose official record shows a domicile outside of Oregon is *prima facie* a nonresident and the burden is upon the student to prove that he is a resident of Oregon. If his scholastic record shows attendance at a school outside of Oregon, he may be required to furnish proof of Oregon domicile.

If any applicant has questions concerning the rules governing the administration of these policies, he should consult the Registrar's Office.

Part-Time Employment

The academic responsibilities in medical school are such that it is usually impossible for a student to undertake outside employment during the school year without causing academic work to suffer. This is particularly true in the first and second years. Under special circumstances students may find employment in various departments of the University of Oregon Medical School and hospitals during their second, third, and fourth years and during summer vacations.

Veterans' Information

The student must present a Certificate of Eligibility to the Registrar effective prior to the opening day of the course in order to take advantage of veterans' benefits. Questions concerning benefits should be directed to the Portland Regional Office of the Veterans Administration.

Fellowships, Scholarships, Grants-in-Aid Awards

The Medical School has available a limited number of scholarships and fellowship funds for deserving medical students. Application for scholarships should be filed in the Registrar's Office by March 1 of each year. Scholarships are awarded by the Dean upon the recommendation of the Committee on Scholarships of the faculty of the Medical School.

Noble Wiley Jones Pathology Research Fellowship. This fellowship, established in 1919, consisting of the interest on \$5,000 held in trust, is the gift of Dr. Noble Wiley Jones of Portland. It is awarded annually to a medical student or resident on the basis of scholastic ability, training in pathology, and interest in research in this field.

Frank Ralston Research Student Assistantship. This assistantship was established in 1946 through a gift of \$5,000 from Dr. Frank Ralston. Since that time additional gifts have increased the principal of the fund to approximately \$13,000. The funds are devoted to research in glaucoma under the direction of the chairman of the Department of Ophthalmology.

Kenneth A. J. Mackenzie Memorial Scholarship. Five \$200 scholarships are awarded annually for the study of medicine, in accordance with the following plan: one \$200 scholarship is awarded each year to the outstanding premedical student at the University of Oregon in the last year of his premedical studies; if the student enters the University of Oregon Medical School and continues to maintain a high scholarship record the scholarship is renewable for each of his four years of medical training; if the student does not maintain a high scholastic record at the Medical School, his scholarship is transferred to the outstanding member of his Medical School class who has taken his premedical work at the University of Oregon. The scholarships are a memorial to Dr. Kenneth A. J. Mackenzie, former dean of the Medical School; they are endowed through a bequest from the late Mrs. Mildred Anna Williams.

Pohl Memorial Scholarships. These scholarships were endowed in 1936 by a gift of \$5,000 from the late Dr. Esther Pohl Lovejoy, in memory of her husband Dr. Emil Pohl, and her son, Frederick Clayson Pohl. The original gift was supplemented by additional annual donations from Dr. Lovejoy, which increased the endowment to above \$37,000. Awards are made to students of promise in the field of medicine. Two-thirds of the scholarships are given to men students, one-third to women students.

James P. Griffin Scholarship. Three \$500 scholarships are awarded each year from a fund established in 1959 through a bequest from Mrs. James P. Griffin in memory of her husband. Awards are made to worthy and promising medical students on the basis of need and scholastic attainment.

George H. Strowbridge Memorial Scholarship. This scholarship consists of the income from a bequest of \$5,000 from Mary S. Muellhaupt in memory of Dr. George H. Strowbridge, a graduate of the University of Oregon Medical School in the Class of 1897. Award is made to a student of the second-, third-, or fourth-year class on the basis of scholastic attainment and need.

GENERAL INFORMATION

Alumni Scholars. The Alumni Association of the University of Oregon Medical School makes awards annually to provide scholarships in the amount of \$500 for selected medical students who have demonstrated superior academic performance. Recipients are designated "Alumni Scholars."

Pfizer Laboratories Medical Scholarship. This \$1,000 scholarship, established in 1962, is awarded to a deserving student on the basis of scholastic record and financial need.

Jackson Foundation Scholarship. An award of \$1,000 is made to a medical student who graduated from an Oregon secondary school, who has the ability to do high quality work in the Medical School, and who is in need of financial assistance. The scholarship was established in 1962.

Emily F. Edson Scholarship. Scholarships are awarded to both medical and nursing students, on the basis of scholastic achievement and need, from a fund established through a bequest under the will of the late Emily F. Edson, administered through The Oregon Bank. The initial bequest, in 1962, was approximately \$54,000.

Henry Waldo Coe Prize. This prize, established in 1929, is awarded to a second-, third-, or fourth-year student in the Medical School who presents an essay on a medical subject exhibiting superiority and originality in composition. The prize consists of the interest on a gift of \$1,000 from the late Dr. Henry Waldo Coe.

Walter J. Rosenfeld Scholarship Fund. This is a perpetual fund established under the will of Walter J. Rosenfeld of Portland. The income from the fund is used annually for two scholarships for selected medical students.

Harold F. Wendel Memorial Fund. The income from an endowment fund established in memory of the late Harold F. Wendel by his wife, Elise F. Wendel, is presented annually to the outstanding resident or fellow in cardiology.

Louis Gerlinger, Jr. and Beatrice Lee Gerlinger Scholarships Fund. The income from a gift established in memory of the late Louis Gerlinger, Jr. by Beatrice Lee Gerlinger, is a perpetual fund used for scholarships to a deserving second-, third-, or fourth-year medical student dedicated to service to humanity. Over \$2,000 is available.

American Professional Practice Association's Raymond M. McKeown Scholarship Fund. An award of not more than \$1,000 per applicant is to be made to first-year medical students on basis of need for assistance. Funds are made available by the American Professional Practice Association in recognition of Raymond M. McKeown, M.D., Coos Bay physician and graduate of the UOMS.

John H. Stevenson Scholarship Fund. The income from a trust fund established under the will of the late Louise B. Stevenson in memory of her husband John H. Stevenson is used to provide scholarships for medical students.

Dr. & Mrs. Joseph Fife Scholarship Fund. Established in honor and memory of Dr. Joseph Fife and his wife, Georgia Reed Fife by his nephew, Mr. William Fife, a scholarship fund is provided for an outstanding medical student from Douglas County. It is to be awarded on the basis of scholastic achievement and financial need.

Health Professions Scholarship Fund. This Federal scholarship program was authorized by the Health Professions Educational Assistance Amendments Act passed by Congress in 1965. The Act specifies that these scholarships are available only to students who, without the amount of the scholarship award, could not pursue the required course of study during the year for which the award is made.

For the academic year 1972-73 scholarships will be available at the University of Oregon Medical School for students in the first-, second-, and third-year classes.

The Roche Laboratories provide an annual award to an outstanding member of the senior class. The award consists of a watch and an engraved scroll. **The Upjohn Company** makes an annual monetary award to an outstanding senior student; **Lange Medical Publications** awards books to two outstanding students in each class; **The Merck Manual Award**, a copy of *The Merck Manual* is made each year to two outstanding students; and **The C. V. Mosby Company** awards books to five outstanding students yearly.

The Vernon M. White Fund for Medical Diagnosis was established by Mrs. White in memory of her husband, Vernon M. White. This award is to be presented to the senior medical student showing the greatest talent in the field of medical diagnosis.

The Clarence Benson, M.D., Memorial Scholarship Fund. The family, friends and colleagues of the late Clarence Benson, M.D., of Sacramento, California, who completed his residency in obstetrics and gynecology at the University of Oregon Medical School, established this fund in 1971 for scholarship assistance to deserving medical students. It is administered by the University of Oregon Medical School Advancement Fund and provides assistance of not more than \$1200 per student to the extent funds are available.

Charles H. Hoyt Scholarship Fund. This fund was established in 1971 through a bequest under the will of the late Charles H. Hoyt. Funds are to be utilized for grants-in-aid to deserving medical students to assist them in obtaining a medical education. The amount of the bequest was approximately \$23,500.

Loan Funds

The Medical School has loan funds available for students. In general, loans fall into two classifications—emergency and long-term loans. Long-term loans are generally limited to \$750 a year or to a maximum of \$1,500 to any one student. Emergency funds are available for small, short-term loans. Interest rates vary with the fund and application should be made to the Medical School Student Financial Aid Officer.

Ben Selling Loan Fund. This fund, a bequest from the late Ben Selling, is administered by the Trust Department of the First National Bank of Oregon.

W. K. Kellogg Loan Fund. In May 1942, the W. K. Kellogg Foundation established a \$10,000 loan fund at the University of Oregon Medical School for the financial assistance of medical students. Preference is given to first-, and second-year students who have demonstrated scholastic ability, character, and need. The usual loan is \$250. Loans are administered through the Office of the Dean.

F. E. Jacobs Memorial Loan Fund. This loan fund was established in 1950 through gifts from relatives and friends of the late Dr. F. E. Jacobs, a 1929 graduate of the University of Oregon Medical School. Loans are made to senior medical students. The fund at present totals approximately \$1,000.

Dr. Francis Ortschild Memorial Fund. This loan fund, approximately \$65,000, was established in 1960 through a bequest under the will of Viola Ortschild of Portland. It is to be used for loans to needy and worthy medical students.

GENERAL INFORMATION

Joan Balise Memorial Loan Fund. This fund was established in 1960 in memory of the late Joan Balise by her husband, to provide emergency loans to medical students. The fund at present totals approximately \$1,150.

So Chee Sue Loan Fund. This fund was established in 1959 by Dr. Julius F. Sue in memory of his father, So Chee Sue, as a perpetual loan fund for senior medical students. The fund now amounts to approximately \$1,050.

M. B. Taylor Loan Fund. A bequest of \$10,000 from the late Millard B. Taylor is used for student loan funds in essentially the same manner as other loan funds at the Medical School. This fund was established in 1967.

Rita Simmons Graduate Loan Fund. This fund of approximately \$425 was established in 1967. It is available to medical and graduate students for loans not to exceed \$150 per year.

Ralph Vernon Moore Loan Fund. This fund, a trust from the late Ralph Vernon Moore, is administered by the Trust Department of the U. S. National Bank. Loans of \$500 are made available to worthy and needy medical students in their junior or senior years.

Kim Wolfer Memorial Loan Fund. This fund was established by Mr. and Mrs. Martin Wolfer in memory of their son, Kim Wolfer, as a perpetual fund for medical students with a loan of \$700 per student. Administered by the UOMS Advancement Fund, it is to be used for loans to needy and worthy medical students, and is restricted to seniors through 1973-74.

Emilie Jo Pastega Simpson Memorial Loan Fund. This fund was established by Mr. and Mrs. Mario Pastega in memory of their daughter, Emilie Jo Pastega Simpson, as a perpetual loan fund for medical students and nursing students, administered by the UOMS Advancement Fund. The maximum loan available is \$500 per student. Loans are restricted to residents of Oregon.

Health Professions Student Loan Program. Under the provisions of the Health Professions Educational Assistance Act of 1963, funds have been provided by the Federal government for loans to medical students. The maximum loan available is \$2,500 per year.

Oregon Guaranteed Student Loan Fund (Oregon Residents Only). An arrangement between the University of Oregon Medical School, the student's Oregon bank, and the Oregon State Scholarship Commission provides assistance up to \$1,000 per year for undergraduate students and \$1,500 a year for graduate students up to a total of \$7,500.

American Medical Association Loan Fund. The American Medical Association has established a loan fund which provides substantial loans to medical students, interns, and residents, with provision for repayment over a period of several years. Information regarding the fund is available in the Medical School Student Financial Aid Office.

Louis Gerlinger, Jr. and Beatrice Lee Gerlinger Scholarship Loan Fund. The income from a gift established in memory of the late Louis Gerlinger, Jr. by Beatrice Lee Gerlinger, is a perpetual fund used for loans to a deserving second-, third-, or fourth-year medical student dedicated to service to humanity. Over \$2,000 is available. No interest is charged on these loans.

Dr. Ronald P. Neilson and Dr. Duncan R. Neilson Memorial Fund. This fund was established in memory of Dr. Ronald P. Neilson and Dr. Duncan R. Neilson, who were graduates of the University of Oregon Medical School and long-time

LOAN FUNDS

members of the clinical faculty. The fund of approximately \$4,000 is used for loans to deserving medical students.

John C. F. Merrifield Memorial Loan Fund. Gifts from the family and friends of the late John C. F. Merrifield established this loan fund in 1972. Students enrolled in the Medical School are eligible for loans not to exceed \$750 per year, and the funds are administered by the University of Oregon Medical School Advancement Fund.

Sam Jackson Art Society Medical Center Student Loan Fund. This fund, established in 1972 by those interested in art at the Medical School (known as the Sam Jackson Crafty Art and Buffalo Grass Society), provides loans to students enrolled in the Medical School, the School of Nursing, or in other programs leading to a degree or certificate offered by the University of Oregon Medical School. Loans are limited to a maximum of \$500 per student per year and to the extent that funds are available. The fund is administered by the University of Oregon Medical School Advancement Fund.

Multnomah County Medical Auxiliary Health Careers Loan Fund. This fund was established in 1972 by the Multnomah County Medical Auxiliary to provide loan funds of not more than \$500 per student per year to upperclassmen who are enrolled in the University of Oregon Medical School or students in certified programs in health-related fields. The fund is administered by the University of Oregon Medical School Advancement Fund.

2

ADMISSIONS AND SCHOLASTIC REGULATIONS



Admission Requirements

High School Preparation. The applicant must have satisfactorily completed a four-year course in an accredited high school or its equivalent.

Because there is no single course of study which best prepares a person for medicine, the student planning to enter medical school should obtain a good general education and emphasize in college those fields in which he has the greatest personal interest, whether they be in the sciences or in the liberal arts. A student whose major undergraduate interest lies outside the biological or physical sciences should have adequate scientific preparation in the fundamentals of chemistry, physics, and biology. Certainly, a student with a primary interest in one of the sciences should be encouraged to pursue such studies as a major course in his undergraduate career. It is not desirable, however, to take courses in college which will be duplicated in medical school (human anatomy, biochemistry, human physiology, medical bacteriology, etc.). A student is better prepared if he takes other basic science courses or work in fields such as mathematics and the social and behavioral sciences. As we learn more of man and his reactions, it becomes obvious that social, economic, and other environmental factors have much to do with his physical and mental health.

Admission to the Medical School is on a competitive basis and concerns two types of qualifications: (1) evidence of good character and a high motivation for medicine, (2) sufficient ability and preparation to undertake satisfactorily the study of medicine, as judged by his premedical scholastic record and scores on the Medical College Admission Test.

Applicants for admission are required to complete not less than three years of full-time work in an accredited college or university, i.e., 138 term hours (92 semester hours) exclusive of military science, before entering the Medical School.

The following subjects are prescribed as the minimum acceptable for admission:

Chemistry—a minimum of two years of college chemistry totaling 24 quarter hours or more, including 10 to 16 quarter hours of general chemistry and eight to 12 quarter hours of organic chemistry. These requirements will usually be met by courses designed for science majors. Laboratory experience should include quantitative techniques and methods. Courses in analytical chemistry, instrumental analysis, or physical chemistry are recommended for students considering special medical programs with emphasis in the basic sciences.

Biology—a minimum of nine quarter hours of general biology (or zoology) including basic genetics. Advanced courses in cellular physiology or embryology are strongly recommended. A core program may possibly complete all biology requirements in one sequence.

Physics—a minimum of 12 quarter hours to include the division of mechanics, heat and sound, light and electricity with laboratory work.

College mathematics—a minimum of 12 quarter hours. (Calculus is strongly recommended.)

General psychology—a minimum of six quarter hours.

Grades of "pass" or "satisfactory" are not acceptable for courses prescribed as requirements for admission. Questions concerning grades of pass or satisfactory should be clarified with the Director of Admissions.

Foreign language is not required for admission to the Medical School, but some

knowledge of a major modern foreign language (German, French, Russian, Spanish) is highly recommended as part of the cultural training of the physician. Students anticipating research in the medical sciences should have a basic knowledge of German, French, or Russian. The premedical student should keep in mind that some medical schools require credit in foreign language for admission.

Medical College Admission Test

Applicants for admission are expected to have taken the Medical College Admission Test, given by the Association of American Medical Colleges at the various institutions offering premedical curricula. Applicants should take the test during the calendar year immediately preceding the year of their admission to the Medical School. The test is given twice each year, in the early fall and mid-spring. Information as to the exact time and place of the test and registration deadlines can be obtained from college premedical advisors.

Bachelor's Degree

A student entering the University of Oregon Medical School without a Bachelor of Arts or Bachelor of Science degree must complete the work required for one of these degrees in the institution at which he received his premedical preparation, or the University of Oregon at Eugene, before entering the third year in the Medical School.*

The University of Oregon, Oregon State University, Portland State University, and most of the colleges and universities of the Pacific Northwest recognize credit earned by a student during his first year at the Medical School as credit earned in residence toward the bachelor's degree.

Application Procedure

Since the Medical School is now participating in the American Medical College Application Service (AMCAS), applications for admission are obtained from that organization in Washington, D.C. An application request card may be secured by writing to the Director of Admissions.

Applications are accepted between July 1 and November 15. A place in the first-year class is not granted to an applicant more than one year before the beginning of instruction for that class.

The University of Oregon Medical School gives primary consideration to well qualified applicants who are residents of Oregon. Preference is also given to well qualified residents of neighboring western states which do not have medical schools and which are members of the Western Interstate Commission on Higher Education (WICHE). Superior applicants from other regions are also given consideration.

Applicants who are residents of Alaska, Idaho, Montana, or Wyoming, should request certification for medical training under WICHE from their state certifying officer or agency at the time application is made for admission to the University of Oregon Medical School. Preferential consideration for admission is given WICHE-certified applicants over non-certified WICHE applicants; the WICHE-supported applicant pays the Oregon resident tuition fee.

* Students expecting to receive the bachelor's degree from the University of Oregon should include 9 hours of English composition, 9 hours of lower division English literature in a one-year sequence course, 12 hours of lower division mathematics, 5 terms of physical education and 1 term of health education in their premedical programs. See the University of Oregon Catalog for specific courses that meet the literature and mathematics requirements.

Processing of Applications

Evaluation of Credentials

The Committee on Admissions examines each applicant's credentials and bases its preliminary decision on the objective evaluation of the following factors: pre-professional training, evidence of scholarship, Medical College Admission Test scores, personal evaluation of the student by premedical instructors, and evidence of good moral character.

Personal Interview

After examination of credentials, residents of Oregon generally are requested to appear for a personal interview with the Committee on Admissions. A personal interview is not requested of non-residents whose credentials indicate that they cannot meet the competition for admission, or who would be subjected to excessive travel expense. The committee schedules interviews in Portland, Eugene, and Corvallis.

Physical Examination

Just as the Medical School's Committee on Admissions may refuse admission to a student on the basis of academic record, it also may reject an applicant on the grounds of lack of physical or mental stability. Applicants who appear well qualified on the basis of the initial screening by the Committee are required to submit reports of complete examinations by their own physicians, which are reviewed by the health service physician before registration.

Notification of Acceptance or Rejection

All candidates are given written notification of acceptance or rejection as soon as possible after the Committee on Admissions has reached its final decision; notification is generally given by April 15. Sometimes, however, decisions on applications are delayed until grades in the more advanced science and mathematics courses, such as organic chemistry, quantitative analysis, physics, genetics, embryology, cell physiology and mathematics, are made available to the Admissions Committee. Acknowledgment of notification of acceptance should be made promptly in writing by the successful applicant.

Acceptance of Appointment

When an applicant is offered admission to the Medical School and wishes to accept this admission, a deposit of \$75 must be paid not later than two weeks following notice of acceptance in order to reserve a place in the entering class. If the student should release his place in the class, the deposit is refundable until March 1.

Special Students

Graduates from other medical schools may be admitted as special students but may not be candidates for the degree of Doctor of Medicine at the University of Oregon Medical School.

A person who has failed a course as a medical student in another medical school may not repeat the course as a special student at the University of Oregon Medical

School unless the course is given at some time other than during the regular academic year.

Undergraduates may not be admitted to courses in the Medical School as special students.

Special students are charged fees according to the credit hours of work taken.

Graduate Studies

Acceptance by a student of admission to graduate status is regarded as a declaration of intent to complete a program of graduate study prior to application for enrollment in other Medical School educational programs.

Advanced Standing

A student may be considered for admission with advanced standing provided his official credentials are accompanied by a statement from the registrar of the institution from which he is transferring to the effect that the applicant's scholarship in medical school work ranks him in the upper fifty per cent of his class. An honorable dismissal and premedical preparation meeting the regular requirements for admission are also required. Only transfer to the third-year class is feasible and available placements are very limited.

Scholastic Regulations

Grading System and Grades

The UOMS uses both the A, B, C, D, E, F and the Pass/Fail grading systems, depending on the nature of the course involved. Generally, courses in which an examination is given or in which the student has a clinical assignment involving patients will be graded by the A-F system and courses in which the student's competence is not readily subject to examination or review will be graded Pass/Fail.

At the end of each school year, students will be officially notified about each course they have taken and whether they have passed or failed. The only exception to this will be when a student's letter grade is D, E, F or incomplete, and in this case, the student will be notified at the end of the term in which they have taken the course. Students may learn exact grades earned in courses graded by the A-F system and the quarter of the class in which they rank scholastically upon personal request at the Registrar's Office.

If at any time during the school year the student feels his work is not satisfactory, he should consult his instructor. Should special problems arise that threaten to interfere with study, the student should consult a faculty member for advice before his scholarship is seriously affected.

Promotion

In order to be promoted unconditionally from the first to the second year and from the second to the third year in Medical School, the student must receive a passing grade in all subjects and a weighted grade-point average as established by the Executive Faculty. At the completion of the second year all students must achieve a passing score in the Part I examination of the National Board of Medical Examiners in order to be promoted to the third year. Failure to pass the exami-

ADMISSIONS AND SCHOLASTIC REGULATIONS

nation necessitates re-evaluation of the student by the departments in which he received a test score of below 70. For promotion from the third to the fourth year, students must satisfactorily complete all subjects. The status of students failing to meet these requirements is determined by the promotion boards.

The Preclinical Promotion Board, which considers only students in the first and second year of medicine, consists of all faculty members giving instruction during the first and second years. The Clinical Promotion Board is concerned with the performance of third- and fourth-year students; this board is composed of representatives from all the clinical departments. The boards meet after the end of each term to consider incomplete work, conditions, and failures.

Specific problems are referred to the Review Board for subsequent action. The Review Board, composed of chairmen of departments, considers primarily requests from students arising from actions taken by the Preclinical and Clinical Promotion Boards.

Elective Courses

Elective courses are offered in both clinical and basic science departments. Registration for elective courses must be arranged at the Registrar's Office. A list of electives that students may take during the elective periods of the curriculum is published annually and can be obtained from the Registrar.

Class Attendance

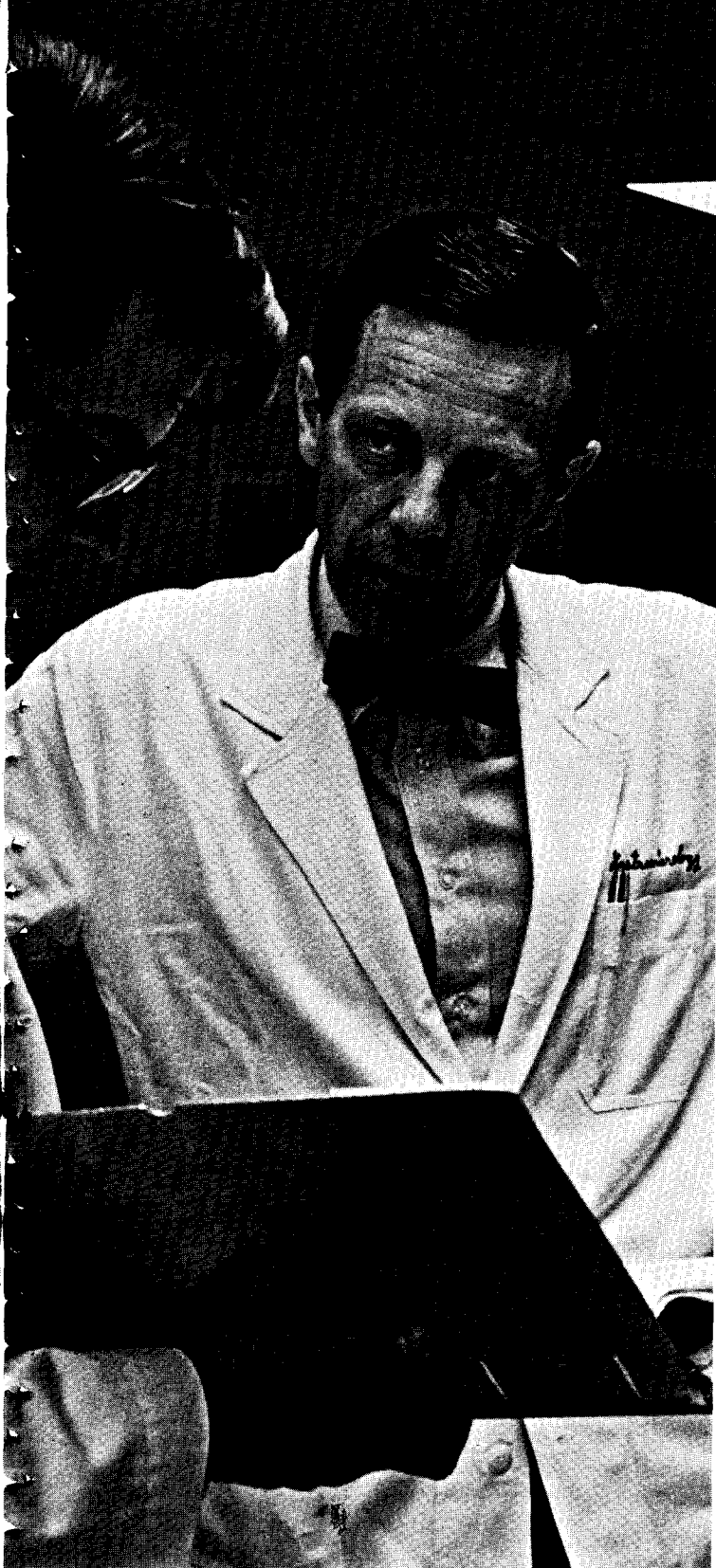
Satisfactory achievement of the educational goals and objectives of each course normally will require regular class attendance. Such a requirement applies in particular to those courses in which the direct care of patients is expected, where the learning of a skill is necessary, or some other demonstration of responsibility is expected. In these courses, attendance is required unless excused. The faculty in charge of each course will define and communicate to their students the attendance requirement in relation to the objectives of the course.

Dismissal

The faculty has the right to sever, at any time, the connection with the Medical School of any student who it considers to be unfit for a career in medicine. The usual procedure for dropping a student comes from a recommendation by one of the Promotion Boards which are composed of the members of the faculty. Ordinarily, a student may be on probation status for two terms before a Promotion Board may recommend his dismissal. However, for adequate cause, a student may be dropped without previous warning.

3

CURRICULUM IN MEDICINE



CURRICULUM IN MEDICINE

The curriculum in medicine requires a total of seven years' work beyond high school. The first three years must be satisfactorily completed before admission to the Medical School in Portland. Since facilities for instruction provide for the acceptance of only a limited number of applicants, completion of premedical studies does not guarantee admission to the Medical School.

The four years spent in the Medical School in Portland are devoted to subjects of the regular four-year curriculum in medicine required by law.

The prescribed and recommended subjects for the three premedical years are described under *Admissions and Scholastic Regulations*. In the first, second, third, and fourth years at the Medical School there are 4,991 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

Prescribed Work

First Year

		<i>Class Hours</i>	<i>Term Hours</i>
An 410	Anatomy	420	20
Con 410	Cell Organization and Function	99	5
Con 411	Medical Genetics	32	2
Con 412	Developmental Biology	35	2
Con 413	Introduction to Patient Evaluation	66	3
Con 414	Immunology	35	2
MPs 410	Medical Psychology	49	2
Pth 410	General Pathology	66	3
BCh 410	Basic Biochemistry	66	3
Phys 410	Human Physiology	149	7
Psy 410	The Human Context of Medical Practice	36	2
PH 410	Public Health and Epidemiology	72	3
		<hr/> 1,125	<hr/> 54

Second Year

Con 610	Systems Pathophysiology	986	42
Con 611	Patient Evaluation	126	5
Mb 610	Microbiology	90	4
Phc 610	Pharmacology	48	3
		<hr/> 1,250	<hr/> 54

Third Year

Con 620	Child Health	432	18
Con 621	Neurosciences	216	9
Med 620	Third-Year Medicine	432	18
DRad 620	Radiographic Diagnosis	24	1
Special Programmed Instruction	216	9
		<hr/> 1,320	<hr/> 55½

Fourth Year

ObG 630	Fourth-Year Obstetrics and Gynecology	216	9
Psy 630	Psychiatry Clinical Clerkship	216	9
Sur 630	Fourth-Year Surgery	432	18
Special Programmed Instruction	432	18
		<hr/> 1,296	<hr/> 54

A list of elective courses will be made available to every student.

Requirements for the Degree of Doctor of Medicine

A candidate for the degree of Doctor of Medicine must complete satisfactorily the curriculum and all other requirements prescribed by the faculty of the Medical

School. Members of the senior class are required to pass the Part II examination of the National Board of Medical Examiners which is given in April. Any student failing to pass this examination will be referred to the Review Board of the Medical School for re-evaluation of his status. All candidates for degrees are required to be present at the Commencement exercises to receive their diplomas in person unless permission to be absent is obtained from the Dean's office. The Doctor of Medicine degree is conferred by the University of Oregon upon the recommendation of the faculty of the Medical School.

Licensure

Licensure to practice medicine in any state is conditioned upon the requirements of a state board of medical examiners. Licensure to practice medicine in the State of Oregon is dependent upon the candidate's having an M.D. degree, completing an approved straight or rotating internship, possessing an Oregon Basic Science Certificate and passing the licensing examinations. For candidates who are already licensed to practice in another state, the licensing examination may be waived by reciprocity with that state, if such a reciprocal agreement is in force, or the candidate may base his application upon certification of the National Board of Medical Examiners. In some instances, the Oregon Basic Science Certificate may be obtained by reciprocity with another state or based upon Part I of the examination given by the National Board of Medical Examiners.

Further information about licensure requirements may be obtained from the Oregon State Board of Medical Examiners, 611 Failing Building, Portland 97204. The Board suggests that such inquiry be made no later than the second quarter of the internship year.

Students are urged to take the Oregon basic science examination at the end of their sophomore year. This examination is given by the Basic Science Examining Committee of the Oregon State Board of Higher Education and is required for licensure in Oregon. Information concerning this examination may be obtained by writing to the Basic Science Examining Committee, Oregon State Board of Higher Education, Eugene 97403.

Course Numbering System

Medical School courses are numbered in accordance with the uniform course-numbering system of the Oregon State System of Higher Education. This numbering system as it applies to the Medical School courses is as follows:

- 400-499 Upper-division courses primarily for first-year students in medicine but to which graduate students may be admitted on approval of the graduate advisor and department chairman concerned.
- 500-599 Courses primarily for graduate credit towards an advanced academic degree (M.S. or Ph.D.) but which may be elected by medical students for credit towards the M.D. degree with permission of the department chairman concerned.
- 600-699 Courses primarily for the medical curriculum but which can also be applied toward an advanced academic degree (M.S. or Ph.D.) with the permission of the graduate advisor and the Graduate Council. Required courses for second, third, and fourth years of the medical curriculum are designated by numbers 610-619, 620-629, and 630-649, respectively. Numbers 601, 605, 607, 609, and 650-699 are used for elective courses.

CURRICULUM IN MEDICINE

Certain numbers are reserved for courses that may be taken through successive terms under the same course number, credit being granted according to the amount of acceptable work done. These course numbers are as follows :

- 501 and 601 Research.
- 503 Thesis.
- 505 and 605 Reading and Conference.
- 507 and 607 Seminar.
- 609 Clinical Experience.

4

DESCRIPTION OF COURSES



Basic Sciences

CONJOINT COURSES— BASIC MEDICAL SCIENCE

Required Courses

First Year

Con 410. **Cell Organization and Function.** 5 hours, fall and winter.

An integrated course emphasizing aspects of cellular structure, organization, metabolism, and function essential to an understanding of human biology in health and disease. General and special features of cell structure; biochemical and structural properties of membranes; biological transport processes; bioenergetics; mitochondrial metabolism; functions of intracellular membranous organelles; cytoplasmic metabolism of carbohydrates, lipids, amino acids, purines, pyrimidines; nuclear functions—DNA replication and transcription protein synthesis, meiosis and mitosis; the life cycle of the cell. Lectures, laboratory and conferences. 99 hours.

Con 411. **Medical Genetics.** 2 hours winter.

Chromosomal basis of inheritance, chromosome structure and function, autosomal, X-linked and polygenic inheritance, population genetics, control of gene expression, mutation, genetic polymorphism, inborn errors of metabolism. Lectures, laboratory and conferences. 32 hours.

Con 412. **Developmental Biology.** 2 hours winter.

An introduction to current concepts of the processes involved in growth and development. The functional and chemical aspects of these processes are presented within the framework of morphologic development with emphasis on the mammalian organism whenever feasible. Lectures, quizzes and laboratory correlated and continuous with laboratory sessions in Cell Organization and Function and Medical Genetics. 40 hours.

Con 414. **Immunology.** 2 hours spring.

The major goal of this course is to introduce the medical student to the required semantics and terminology of immunological theory and to teach him an immunological approach to current and future medical problems. The student will learn how to investigate immunological events as they apply to human disease syndromes. Lectures, laboratory sessions and teaching seminars. 35 hours.

Second Year

Con 610. **Systems Pathophysiology.** 42 hours.

A multidisciplinary course designed to correlate basic science with disease processes in man, and to introduce the student to clinical medicine. The material is presented in organ and system blocks; within each block, a series of selected case presentations serves to introduce and to focus attention on specific disease entities. Associated lectures, laboratory exercises, demonstrations, and conferences are designed to integrate and to correlate clinical manifestations of disease with the physiological, biochemical, pathological, pharmacological and microbiological information that is pertinent to the system under study. Faculty members from basic science and clinical departments cooperate in presenting this course. 986 hours.

Elective Courses

Con 501. **Research.** Any term, hours to be arranged.

Con 505. **Reading and Conference.** Any term, hours to be arranged.

Con 507. **Seminar.** Any term, hours to be arranged.

Con 511, 512, 513. **Cell Biology.** 5 hours each term.

An integrated course presenting fundamental concepts, processes, and methods in the following areas of cell biology: macromolecules, cell structure, transport, biochemical functions, genetics, immunology, development and differentiation, organ physiology, inflammation, neoplasia, and conditioning and learning. 4 lectures and 1 laboratory period. Conjoint course presented by the faculty of the basic medical science departments.

DEPARTMENT OF ANATOMY

B. Vaughn Critchlow, Chairman of Department

Professor Emeritus: Pearson

Professors: Bacon, Critchlow, Jump (Dental School), **Stotler**

Associate Professors: Connell, Davis, Quinton-Cox (Dental School), **Tunturi**

Assistant Professors: Iorio, Richards

Research Assistants: DeLorme, Sauter

Required Courses

First Year

An 410. **Anatomy.** 20 hours, fall, winter and spring.

Gross Anatomy: Regional dissection of the human body. Each pair of students dissects the lateral half of the human body. The student is furnished with a loan collection of disarticulated bones for the study of osteology. Lectures and demonstrations will include surface, developmental and radiological anatomy. 144 hours fall term, 144 hours winter term.

Applied Anatomy: A series of lectures will be devoted to the clinical significance of anatomy. These lectures will be given by the clinical staff and will be programmed to correlate with gross anatomy. 12 hours fall term, 12 hours winter term.

Histology and Organology: Lectures, demonstrations and laboratory work concerned with the microscopic anatomy of the tissues and organs. Student loan sets of microscopic preparations and microscopes will be available for student use. 24 hours fall term, 24 hours winter term.

Neurology and Organs of Special Senses: Study of the structure and functions of the organs of special senses and of the central nervous system. This is accomplished by gross dissections and stained sections of the human brain, spinal cord, and organs of special senses. Pathological conditions illustrating lesions of the nervous system are demonstrated. 48 hours, spring term.

Lectures, demonstrations, laboratories, quizzes. 408 hours.

Elective Courses

An 416. **Microscopic Technique.** 2 hours spring.

The theory and practice of preparing animal tissue and histological study. Limited to 4 students, registration only after consultation with instructor. Laboratory, 6 hours a week: 72 hours.

An 501. **Research.** Any term, hours to be arranged.

An 505. **Reading and Conference.** Any term, hours to be arranged.

An 507. **Seminar.** Any term, hours to be arranged.

Journal Club.

History of Medicine.

An 512. **Analytical Embryology.** 4 hours spring.

Lectures and assigned readings on cytology and physiology of gametes, gamete transport, fertilization, cleavage and cell division, and on cell tissue and organ interaction in embryonic systems. The laboratory work is designed to introduce the advanced student to both classical and new techniques for the investigation of embryonic processes. Prerequisite: An 410, BCh 410, or equivalent. Lectures, 2 hours a week; laboratory, 6 hours a week: 96 hours.

An 513. **Analytical Histology.** 4 hours spring.

Lectures on the theory of fixation and staining, survey of physical and chemical techniques employed in modern histology. Practical experience with some of these techniques provided by laboratory exercises. Lectures and quizzes, 2 hours a week; laboratory, 6 hours a week: 96 hours. Prerequisites: An 416, BCh 410, or the equivalent. Limited to 10 students.

An 514. **Special Dissections.** Term and hours to be arranged.

Human anatomical material dissected and certain parts of the body studied more thoroughly. Conferences and quizzes arranged with the instructor. Registration limited by available material. Prerequisite: An 410.

DESCRIPTION OF COURSES

- An 515. **Advanced Neuroanatomy and Computer Techniques.** Any term, hours to be arranged.
Set theory, probability theory and information theory are presented as the basis for the study of the behavior of neural networks in the auditory system and other parts of the brain. Six weeks.
- An 516. **Computers in Medicine.** Any term, hours to be arranged.
After a brief description of the computer the course will analyze those requirements that a scientist or physician needs in order to make the computer part of his integral tools. An introduction to multivariate statistics, set and probability theory will be presented. Three to six hours a week, six weeks.
- An 517. **Embryology.** 4 hours spring.
Lectures on the reproductive cycle, fertilization, normal and abnormal human development, correlated with detailed laboratory study of pig, mouse, and human embryos and fetuses. Primarily for graduate students. Lectures, 2 hours a week; laboratory, 6 hours a week: 96 hours. Limited to 10 students.
- An 518. **Mammalian and Human Cytogenetics.** 3 hours winter.
Methods of chromosomal study; chromosomal structure; chromosomal function in meiosis and mitosis; genetic activity and inactivity; use of chromosomes in the study of genetics; gene mapping, sex determination; spontaneous and induced chromosome aberrations; chromosomal evolution. Student recitations will be required relating to special topics such as the X-chromosome, somatic cell genetics, chromosomal variation, and cytogenetic studies in leukemia.
- An 601. **Research.** Any term, hours to be arranged.
- An 605. **Reading and Conference.** Any term, hours to be arranged.
Special Regional Dissection. 2 hours. Detailed review of selected regions of the body. 4-8 hours per week for six weeks. Summer, fall and spring terms.
- An 607. **Seminar.** Any term, hours to be arranged.
Noise and Its Effect on the Human Being: Acoustical characteristics of noise; mechanism of the ear and auditory system; destructive effect of noise on ear and tissue; effects of noise on human communication and speech; effects of noise on behavior. Legal aspects of noise, hearing conservation programs, Walsh-Healy Act. Three hours a week for six weeks. Fall term.

DEPARTMENT OF BIOCHEMISTRY

Richard T. Jones, Chairman of Department

Professors Emeriti: **Todd, West**

Professors: **Fellman***, **Horton, R. Jones, Kittinger** (Primate Center), **Litt, Mason, Portman** (Primate Center), **Rigas, Van Bruggen**

Associate Professors: **Beatty** (Primate Center), **Bentley, Black, Hoskins** (Primate Center), **Kabat, G. Seaman**

Assistant Professors: **Bocek** (Primate Center), **Howard** (Primate Center)

Instructors: **Fujita, Jolley**

Affiliates: **Claycomb** (Biochemistry, Dental School), **Daves** (Oregon Graduate Center), **Gabler** (Dentistry, Dental School)

Research Associates: **J. Boyett, Brimhall, Duerst, A. Hanson, Head, Ichikawa, Iyanagi, MacMahill, Pinto, Rokosova**

Research Assistants: **Cawthon, Evans, K. Johnson, Joyce, Lytle, Roth, Siegner, Van Bueren, Wagner**

Required Courses

First Year

BCh 410. **Basic Biochemistry.** 3 hours fall.

Physical chemistry pertaining to biochemistry, particularly acid-base, buffers and equi-

* Leave of absence July 1, 1972 to June 30, 1973.

librium reactions. Chemistry of macromolecules and their subunits including proteins, carbohydrates, nucleic acids and lipids. Introduction to enzymology. This course is the beginning of a series of courses in which biochemical topics will be taught on an integrated basis with other basic medical science subjects. Lectures, laboratory, and seminars, 66 hours.

Second Year

Con 610. **Systems Pathophysiology.** (See page 38.)

Elective Courses

BCh 501. **Research.** Any term, hours to be arranged.

BCh 505. **Reading and Conference.** Any term, hours to be arranged.

BCh 507. **Seminar.** Any term, hours to be arranged.

BCh 508, 509. **General Biochemistry.** 8 hours fall and winter terms.

General biochemistry for graduate students majoring or minoring in biochemistry. This course will consist of selected lectures from BCh 410 (Basic Biochemistry), Con 410 (Cell Organization and Function), Con 411 (Genetics) and Con 412 (Developmental Biology) supplemented with discussion and laboratory. Fall and winter: Lectures, 5 hours a week; discussion, 2 hours a week; laboratory, 6 hours a week.

BCh 510. **Introduction to Biochemical Research.** 1 hour, term to be arranged.

Lectures, reading and discussion on methods of research, limitations, and ethics for students beginning graduate research.

BCh 511. **Nucleic Acids and Protein Synthesis.** 2 hours, term to be arranged.

The biochemistry and biosynthesis of nucleic acids and proteins, and selected topics in the biochemistry of heredity, growth, aging and differentiation.

BCh 512. **Bioenergetics.** 2 hours, term to be arranged.

Principles of biological energy transduction. Respiratory biochemistry, biological oxidation-reduction and oxidative phosphorylation.

BCh 513. **Advanced Intermediary Metabolism.** 2 hours, term to be arranged.

Advanced aspects of the metabolism of lipids, sterols, carbohydrates, amino acids, and proteins; interrelationships of metabolism and mechanisms of control.

BCh 514. **Enzymology.** Hours and term to be arranged.

The physical and chemical properties of enzymes and the reactions they catalyze. The credit is either two or three hours depending upon the course content and instructor.

BCh 515. **Biophysical Chemistry.** 4 hours spring.

An overview of biophysical chemistry. Intermolecular interactions in liquid and liquid-crystalline phases. The thermodynamics of biological systems. Physics and chemistry of interfacial phenomena. Biophysical characterization of macromolecules. Physical behavior of cells as biocolloids including biorheology and cellular contact phenomena.

BCh 516. **Biochemical and Biophysical Technique.** Hours and terms to be arranged.

Selected laboratory exercises concerned with the preparation and characterization of substances of biochemical importance. Biophysical study of macromolecules and surface phenomena. Instrumentation theory and practice, including optical methods of analysis, electrokinetic techniques, and isotopic methods.

BCh 517. **Topics in Advanced Biophysical Chemistry.** Hours and term to be arranged.

Current concepts and theoretical foundations in selected topics of biophysical chemistry. Prerequisite: BCh 515.

BCh 518. **Biochemical Properties of Proteins.** 2 hours, term to be arranged.

Structure and function of proteins including levels of protein structural organization, methods for characterization and current concepts of protein evolution.

BCh 519. **Biochemical Mechanisms of Disease.** 2 hours, term to be arranged.

Biochemical mechanisms underlying selected human diseases.

BCh 520. **Structure and Function of Biological Membranes.** 2 hours, term to be arranged.

The composition of biological membranes and the functional aspects of their composition; models of membrane structure; membrane function and mechanism of membrane transport.

BCh 521. **Biophysical Properties of Proteins.** 2 hours, term to be arranged.

Physical properties of proteins in solutions and crystals including methods for characterization of biophysical properties.

DESCRIPTION OF COURSES

BCh 601. **Research.** Any term, hours to be arranged.

BCh 605. **Reading and Conference.** Any term, hours to be arranged.

BCh 607. **Seminar.** Any term, hours to be arranged.

DIVISION OF EXPERIMENTAL BIOLOGY

William Montagna, Head of Division

Professor: **Montagna** (Primate Center)

Associate Professors: **Bell** (Primate Center), **Brenner** (Primate Center), **Fahrenbach** (Primate Center)

Research Associates: **Nakagawa**, **Rokosova**

Research Assistants: **A. Hanson**, **Van Bueren**

Elective Courses

EB 501. **Research.** Any term, hours to be arranged.

EB 505. **Reading and Conference.** Any term, hours to be arranged.

EB 507. **Seminar.** Any term, hours to be arranged.

EB 510. **Biological Ultrastructure.** 2 hours, term to be arranged.

A detailed presentation of the fine structure of cells, their organelles and inclusions with emphasis on the correlation of ultrastructural specialization and function. Lectures, 2 hours a week; 24 hours.

EB 511. **Comparative Neuroendocrinology.** 2 hours, term to be arranged.

A course in comparative endocrinology with emphasis on neuroendocrine control systems in both vertebrates and invertebrates. The various lines of physiological, biochemical and morphological evidence including electron microscopy which supports the neurohemal theory will be presented in detail. Metamorphosis in insects, ovulation in mammals, lactation in mammals and adrenocortical secretion in vertebrates will be covered.

EB 512. **Connective Tissue.** 2 hours, term to be arranged.

This course will cover the structure, function and metabolism of connective tissues in general. Their major constituents: collagen, elastin, and mucopolysaccharides, will be covered in detail. The structure of these constituents will be discussed at various levels of organization with emphasis placed upon their molecular architecture, cellular origin, biosynthetic mechanisms. Specialized areas, such as bone formation and mineralization, and wound healing will be analyzed also.

EB 601. **Research.** Any term, hours to be arranged.

EB 605. **Reading and Conference.** Any term, hours to be arranged.

EB 607. **Seminar.** Any term, hours to be arranged.

DIVISION OF MEDICAL GENETICS

Robert D. Koler, Head of Division

Professors: **Koler**, **Litt**, **Rigas**

Associate Professors: **Bigley**, **Black**, **N. Buist**, **Hecht**, **Lovrien**, **Prescott** (Dental School)

Assistant Professors: **J. Macfarlane**, **Templeton**

Research Associates: **Ditewig**, **Kennaway**, **Rowe**, **Stankova**, **Vanbellinghen**

Research Assistants: **Burkitt**, **Gruen**, **Hazard**, **Head**, **McCaw**, **McDonald**, **Milbeck**, **Nicholas**, **Stocklen**, **Wyandt**

Required Courses

First Year

See Con 411. **Medical Genetics** (page 38).

Elective Courses

MGen 501. **Research.** Any term, hours to be arranged.

MGen 505. **Reading and Conference.** Any term, hours to be arranged.

MGen 507. **Seminar.** Any term, hours to be arranged.

MGen 510. **Population Genetics I.** 3 hours fall.

Mathematical treatment of population genetics theory and applications; Hardy Weinberg equilibrium and gene frequency estimation, segregation analysis, association, recombination and linkage, applications to the study of human disease. Lectures, 3 hours a week.

MGen 511. **Population Genetics Laboratory I.** Any term, hours to be arranged.

Fundamentals of the collection of genetic data including pedigree taking and processing, computer assisted analysis of genetic data. Hours to be arranged.

MGen 512. **Population Genetics II.** 3 hours fall.

Advanced concepts of population dynamics; inbreeding, selection, mutation, population structure, evolution and population simulation. Lectures, 3 hours a week.

MGen 513. **Population Genetics Laboratory II.** Any term, hours to be arranged.

Advanced experimental design, computer applications to genetics, independent research. Hours to be arranged.

MGen 601. **Research.** Any term, hours to be arranged.

MGen 605. **Reading and Conference.** Any term, hours to be arranged.

MGen 607. **Seminar.** Any term, hours to be arranged.

MGen 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF MEDICAL PSYCHOLOGY

Joseph D. Matarazzo, Chairman of Department

Professors: **Boyd, J. Brown, Fitzgerald, Garner, Lindemann, Lu** (Dental School), **J. Matarazzo, R. Matarazzo, Phoenix** (Primate Center), **Vernon, Wiens**

Associate Professors: **Hanf, Henderson, G. Miller, O'Brien, Phillips, Rawlinson, Terdal**

Assistant Professors: **Eaton** (Primate Center), **R. Jackson, Meikle**

Instructor: **Manauh**

Lecturers: **Abrams, Bernstein, Lazere, Strange**

Residents: **DuHamel, Eyberg, Harper**

Required Courses

First Year

MPs 410. **Medical Psychology.** 2 hours fall.

Basic psychological and behavioral principles derived from laboratory research and their applications in clinical practice and research in medicine. Examined within the latter context are pre- and postnatal influences, early development, intellectual processes, learning and conditioning, anxiety and other motivational states, and influences associated with man as a social organism. Lectures, demonstrations, and laboratory. 49 hours.

Third Year

Con 620. **Child Health.** (See page 38).

Elective Courses

MPs 501. **Research.** Any term, hours to be arranged.

MPs 505. **Reading and Conference.** Any term, hours to be arranged.

DESCRIPTION OF COURSES

MPs 507. Seminar. Any term, hours to be arranged.

Neurophysiology of Learning	Learning and Motivation
Sensory Processes	Developmental Psychology
Psychopharmacology	Verbal Behavior
Contemporary Issues in Motivation	Social Psychology
Hormones and Behavior	Social Process Applications
Neurological Basis of Reproduction	Individual Behavior Modification
Comparative Psychology	Abnormal Psychology
Sensory Development	Alcohol and Behavior
Human Learning	Quantitative Methods
Conditioning	Laboratory Methods
Cognitive Processes	Computer Methods
Punishment	

MPs 511. Statistics. 3 hours, term to be arranged.

Statistical methods for scientific research; including scales of measurement; tests of significance; correlation and regression; analysis of variance and design of experiments; distribution-free techniques; Type I error, Type II error and Power.

MPs 512. Research Design. 3 hours, term to be arranged.

Basic concepts of the linear model (including linear regression) and its application to the design and analysis of experiments. Topics covered include essentials of matrix algebra; bivariate and multivariate linear regression analysis; introduction to experimental design using repeated and non-repeated measures; the non-parametric model, introduction to univariate scaling theory. Prerequisite: MPs 511 or equivalent.

MPs 513. Advanced Statistics. 3 hours, term to be arranged.

Analysis of the foundations of measurement, quantitative methods, correlation and regression theory, factor analysis, basis of psychophysical methods, set theory, and special topics.

MPs 514. Sensation and Perception. 3 hours, term to be arranged.

Review of the basic psychophysical and neurological mechanisms of audition, somatic senses, vision, olfaction, and gustation, followed by a survey of the major experimental and theoretical works in perception.

MPs 515. Learning and Conditioning. 3 hours fall.

A critical examination of evidence relating to basic learning phenomena in both classical and instrumental conditioning.

MPs 516. Motivation. 3 hours spring.

A detailed treatment of problems relating to the definition and measurement of motivation, primary and secondary antecedents of drive, associative and nonassociative theories and motivational aspects of conflict, frustration, and incentives.

MPs 517. History of Psychology. 3 hours fall.

Examined are developments in the history of psychology necessary for an understanding of some of the main currents in contemporary psychology. Prominent ideas from structuralism, functionalism, associationism, early behaviorism, gestalt psychology, psychoanalysis, and neo-behaviorism are analyzed and their relevance to modern ideas critically evaluated.

MPs 518. Physiological Psychology. 3 hours spring.

Survey of the basic literature in the field, with emphasis on the role of the central nervous system in behavior; fundamentals of neuroanatomy and neurophysiology basic to physiological psychology.

MPs 519. Theories of Personality. 3 hours spring.

Critical review of the major theories of personality, including current behavioral approaches, and empirical evidence supporting these theories.

MPs 520. Individual Differences. 3 hours winter.

Introduction to individual differences in humans, their distribution in the general population, and methods of measuring such differences in intelligence, personality, aptitudes, interests, and other traits; characteristics of good tests, and their uses and limitations.

MPs 521. Theories of Learning. 3 hours winter.

Analysis and comparison of the major theories of learning covering their logical and systematic properties as well as their empirical foundations.

MPs 601. Research. Any term, hours to be arranged.

MPs 605. Reading and Conference. Any term, hours to be arranged.

MPs 607. Seminar. Any term, hours to be arranged.

MPs 609. Clinical Experience. Any term, hours to be arranged.

MPs 650. **Psychological Assessment in Medical Practice.** Any term, hours to be arranged.

Introduction to intellectual and personality assessment in medical practice. Theoretical foundations and uses and limitations of specific assessment procedures. Psychological tests and objective behavioral observation procedures that can be used by the physician in his office practice with implications for management.

DEPARTMENT OF MICROBIOLOGY

Lyle Veazie, Acting Chairman of Department

Professors: **Frisch***, **E. Meyer**, **Oginsky**

Associate Professors: **W. Iglewski**, **Joys**, **Malley** (Primate Center), **Rittenberg†**

Assistant Professors: **Burger** (Veterans Hospital), **B. Iglewski**

Assistant Clinical Professor: **Frothingham**

Instructor: **Gerhardt**

Affiliates: **Creamer** (Microbiology, Dental School), **Parker** (Oral Biology and Microbiology, Dental School)

Required Courses

Second Year

Mb 610. **Introduction to Medical Microbiology.** 4 hours.

An introduction to medical microbiology involving a discussion of the basic properties of microorganisms and their relation to the infective processes. Lecture, laboratory and case presentation: 92 hours.

Con 610. **Systems Pathophysiology.** (See page 38.)

Elective Courses

Mb 501. **Research.** Any term, hours to be arranged.

Mb 505. **Reading and Conference.** Any term, hours to be arranged.

Mb 507. **Seminar.** 1 hour any term.

Mb 508. **Advanced Virology.** 4 hours, term to be arranged.

Biochemical and biophysical nature of viruses, mechanisms of viral infection, enumeration and statistical interpretation of the infectious unit, virus, antibody reactions, biochemical consequences of infection, viral genetics, and interference phenomena. Lectures and laboratories. Open to a limited number of students with consent of instructor.

Mb 509. **Bacterial Physiology.** 4 hours, term to be arranged.

Cytochemistry and ultrastructure, patterns of growth, metabolic pathways of degradation and synthesis, energy mechanisms, genetic controls and their regulation, physiological mechanisms for environmental adaptation. Lectures and laboratories. Open to a limited number of students with consent of instructor.

Mb 510. **Microbial Genetics.** 4 hours, term to be arranged.

The molecular basis of heredity. The genetic control of biochemical activities in bacteria. Systems of recombination in bacteria, bacteriophage, actinomycetes, and fungi. The theory and practice of genetic mapping and fine structure analysis. Population genetics as applied to micro-organisms. Lecture and laboratories.

Mb 511. **Pathogenesis.** Term and hours to be arranged.

Study of selected areas of medical microbiology with emphasis on pathogenesis of infectious agents. Control of production and mode of action of virulent products: exotoxins, endotoxins, viral and Rickettsial toxins, hemolysins, leucocidins, nucleases, coagulases, kinases, etc. Inhibition of host cell macromolecular synthesis following virus infection and its relationship to cytopathic effect and viral virulence; inhibition of DNA, RNA and protein

* Leave of absence July 17, 1972 to July 1, 1974.

† Leave of absence June 1, 1972 to January 1, 1973.

DESCRIPTION OF COURSES

synthesis; induction to new tRNAs, activation of lysosomal enzymes; nonimmune host factors involved in infection; the macrophage and its products, lysosomes and non-globulin serum components.

Mb 512. Immunochemistry. 4 hours, term to be arranged.

Chemical and physical nature of antigen, antibody, antigen-antibody complexes; physical and kinetic measurements of antigen-antibody interaction; current methods of antibody isolation, immunochemical techniques; quantitative precipitation, gel-diffusion, immunoelectrophoresis, ultracentrifugation, equilibrium dialysis, and column chromatography. Lectures and laboratories. Open to a limited number of students with consent of instructor. Prerequisites: elementary physical chemistry and biochemistry.

Mb 513. Advanced Microbiology and Immunology. Term and hours to be arranged.

Study of selected areas of microbiology with emphasis on contemporary concepts of the basic nature of microbial and host systems and their interactions. Open to a limited number of students with consent of instructor. Prerequisite: Mb 610.

Mb 601. Research. Any term, hours to be arranged.

Mb 605. Reading and Conference. Any term, hours to be arranged.

Mb 607. Seminar. Any term, hours to be arranged.

DEPARTMENT OF PATHOLOGY

Richard D. Moore, Chairman of Department

Professors: **Buchan** (Neuropathology), **Dawson** (Surgical Pathology, Cytology), **R. D. Moore**, **Niles**, **Siegel**, **Sneed**

Clinical Professor: **Jacobson**

Associate Professors: **Brooks**, **Linder**, **McNulty** (Primate Center), **Palotay** (Primate Center)

Assistant Professor: **Brady**

Instructor: **Lewman**

Lecturer: **Cordell**

Affiliates: **Auld** (Veterans Hospital), **Chester** (Veterans Hospital), **Cochran**, **Gourley**, **Meek**, **Nohlgren**, **Orendurff** (Veterans Hospital), **Oyama**, **G. Starr**, **Weimar** (Ophthalmology), **Wescott** (Dentistry, Dental School)

Residents: **Chawla**, **McFadden**, **Schmidt**

DIVISION OF NEUROPATHOLOGY

George C. Buchan, Head of Division

Professor: **Buchan**

Affiliate: **Huntington** (Good Samaritan Hospital)

Required Courses

First Year

Pth 410. General Pathology. 3 hours spring.

This course is designed to introduce the student to the principles and concepts of disease. Broadly characterized, it is the study of the effects of injury on cells and tissue and their subsequent reaction. The topics considered will include: cellular injury, abnormal division and differentiation, disturbances in cellular metabolism, disturbances in circulation, inflammation and neoplasia. This will prepare the student for the detailed study of the functional and structural abnormalities to be covered in the Systems Pathophysiology course during the second year. The subject material will be presented in conferences, lectures and demonstrations with reinforcement and illustration by selected laboratory experiments. 66 hours.

Second Year

Con 610. **Systems Pathophysiology.** (See page 38.)

Elective Courses

Pth 501. **Research.** Any term, hours to be arranged.

Pth 505. **Reading and Conference.** Any term, hours to be arranged.

Pth 507. **Seminar.** Any term, hours to be arranged.

Pth 516. **Advanced Systemic Pathology.** Any term, hours to be arranged.

Study of the detached pathology of one system.

Pth 517. **Advanced Pathological Histology.** Any term, hours to be arranged.

Systematic study of microscopic sections of autopsy tissues. Open to students who have had at least one term's work in pathology.

Pth 518. **Special Pathology of Heart and Circulation.** Hours to be arranged.

Systematic and inclusive study of the pathologic states affecting the circulatory system, illustrated by sections and gross materials.

Pth 519. **Introduction to Electron Microscopy.** 2 hours fall.

An introductory course including illustrated lectures and demonstrations dealing with the electron microscope, its technical operations, and broad applications in biological studies and research. Offered alternate years.

Pth 520. **Principles and Techniques of Tissue Culture.** 2 hours fall.

Lectures, demonstrations, and conferences dealing with techniques of cell and tissue culture; designed to provide a background of general information on cultured cells and instruction in application of the method to problems in current areas of research in cell biology. Offered alternate years.

Pth 521. **Biology of Cancer.** 1 hour spring.

Lectures and discussions of the natural history of cancer, geographic and ethnologic aspects, tumor genetics, and etiologic concepts and mechanisms of carcinogenesis.

Pth 522. **Viral Oncology.** 2 hours, term to be arranged.

Systematic study of viruses in relation to cancer in animals and man. Biological aspects of tumor induction by viruses, intracellular and extracellular factors in neoplasia; biochemical and biophysical properties of tumor viruses.

Pth 523. **Biochemical Pathology.** 2 hours, term to be arranged.

This course deals with the biochemical abnormalities characteristic of selected examples of both genetic and nongenetic diseases. Particular emphasis is placed on the role of nucleic acids in the processes involved. A short series of introductory lectures reviews nucleic acid biochemistry and metabolism, and is followed by a group of lectures dealing with our current knowledge of biochemical abnormalities related to chromosomal diseases, blood proteins, urinary products, storage diseases, viral infections, neoplasia, irradiation, and aging.

Pth 524. **Special Research Problem in Experimental and Comparative Pathology.** Terms and hours to be arranged.

The purpose of this course is to acquaint new graduate students with the research work of various departmental members. The student is assigned a limited research problem, working in the research laboratories of the staff members concerned.

Pth 525. **Modern Trends in Pathologic Biology.** 2 hours spring.

Recent progress in the study of inflammation and degeneration, neoplasia, differentiation, and nucleic acid chemistry in disease states.

Pth 526. **Radiation Biology.** 2 hours, term to be arranged.

Lectures and demonstrations dealing with the nature of ionizing radiation, interactions with organic matter, methods of measurement, and biological effects. The major aim of the course is to emphasize mechanisms of radiation effects on molecules, cells, and organisms.

Pth 601. **Research.** Any term, hours to be arranged.

Pth 605. **Reading and Conference.** Any term, hours to be arranged.

Pth 607. **Seminar.** Any term, hours to be arranged.

Pth 651. **Anatomic Pathology.** Any term, hours to be arranged.

Participation by the student in the autopsy and surgical pathology services and in related departmental conferences. Stress is placed on the correlation of the clinical and pathologic findings.

DEPARTMENT OF PHARMACOLOGY

William K. Riker, Chairman of Department

Professor Emeritus: **David**

Professors: **Gabourel, McCawley, Riker**

Associate Professors: **Fox, Tanz, Wendel**

Visiting Associate Professor: **Minker**

Assistant Professors: **Brummett, Downes, Olsen**

Required Courses

Second Year

Phc 610. **Pharmacology.** 3 hours.

The course is designed to provide a firm understanding of the scientific principles of drug action and usage. It is an essential prelude to the applied, systems-oriented therapeutics to be taught in the subsequent Pathophysiology course. Major topics to be covered include: dose and time-effect relationships, selective toxicity, absorption, distribution, metabolism and elimination of drugs, pharmacogenetics, drug-drug interactions, and the clinical evaluation of drug efficacy and safety. In all the preceding topics major emphasis is placed on prototype, clinically useful drugs. Lectures, small group conferences, selected laboratory experiments and demonstrations: 48 hours.

Con 610. **Systems Pathophysiology.** (See page 38.)

Elective Courses

Phc 501. **Research.** Term and hours to be arranged.

Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigations.

Phc 505. **Reading and Conference.** Term and hours to be arranged.

General Principles of Pharmacology.

Drug Metabolism.

Molecular Pharmacology.

Pharmacogenetics.

Advanced Cardiovascular Pharmacology.

Neuropharmacology.

Clinical Pharmacology.

Phc 507. **Seminar.** 2 hours.

Phc 514. **Factors Modifying Drug Action.** 2 hours, term to be arranged.

Lectures on drug metabolism, distribution and excretion, drug protein interaction, pharmacogenetics, and drug allergy and idiosyncrasy. Prerequisite: Consent of instructor.

Phc 515. **Pharmacological Control of Biological Information Transfer.** 2 hours, term to be arranged.

Lectures on the basic mechanisms for nucleic acid and protein biosynthesis, mechanisms of repression and derepression, and the effect of hormones and other drugs on these systems. Applications to chemotherapy will also be discussed. Prerequisite: Consent of instructor.

Phc 516. **Receptor Theory and Conformational Analysis.** 2 hours, term to be arranged.

Lectures on modern receptor theory, kinetics of drug receptor interactions, drug antagonism, allosteric receptor concept, and conformational analysis of receptor sites. Prerequisite: Consent of instructor.

Phc 601. **Research.** Term and hours to be arranged.

Phc 605. **Reading and Conference.** Term and hours to be arranged.

Phc 607. **Seminar.** Term and hours to be arranged.

DEPARTMENT OF PHYSIOLOGY

John M. Brookhart, Chairman of Department

Professors: **Brookhart, Rampone, B. Ross**

Associate Professors: **Faber, Resko** (Primate Center), **R. Swanson, Trainer**

Assistant Professors: **Keyes, Petersen, P. Reynolds** (Dental School)

Research Associates: **Blackmore, Talbott**

Clinical Research Associates: **Bristow, A. Buist, M. Edwards, Greer, Metcalfe, Neill, Porter**

Research Assistants: **Gault, Green, L. Long, Middleton**

Postdoctoral Fellow: **Thornburg**

Required Courses

First Year

Phy 410. Human Physiology. 7 hours, winter and spring.

Lectures, laboratory exercises and conferences devoted to mammalian physiology, with special application to the human. Consideration is given to the basic elements of effector control; basic information essential to the understanding of the functions of the respiratory, cardiovascular, and renal systems; discussion of gastrointestinal, liver and endocrine functions. Lectures and laboratory. 150 hours.

Second Year

Con 610. Systems Pathophysiology. (See page 38.)

Elective Courses

Phy 501. Research. Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

Phy 505. Reading and Conference. Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

Phy 507. Seminar. Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

Phy 515, 516. Physiological Instrumentation and Techniques. 4 hours, terms to be arranged.

Lectures and laboratory work covering basic principles of measurements, transducers, physiological signals, signal processing and display, and applications to specific problems of physiological measurement. Basic lectures and laboratory work in electronics are included. Lectures and conferences, 2 hours a week; laboratory, 6 hours a week: 96 hours.

Phy 517. Advanced Cardiovascular Physiology. 4 hours, term to be arranged.

Emphasis of this course is on the physics of the cardiovascular system. Techniques of measurement and current views of cardiac performance, aortic and local blood flows, hydrostatic pressures, and the micro-circulation. Regulatory mechanisms. Conference, 2 hours a week; laboratory, 6 hours a week: 96 hours. Prerequisites: To be determined by instructor.

Phy 518. Biological Transport Processes. 4 hours, term to be arranged.

Topics include: Fick's law of diffusion; membrane effects (diffusion of ions through an electrical field, molecular sieving, carrier-mediated diffusion, active transport, osmosis through "leaky" membranes); irreversible thermodynamic treatment of diffusion processes. Pertinent examples from the literature on artificial membranes, frog skin, muscle capillaries, and the renal tubule. Reading from monographs and original literature. Conference, 3 hours a week; laboratory, 6-hour periods on alternate weeks: 72 hours. Prerequisites: To be determined by instructor.

Phy 519. Advanced Neurophysiology. 4 hours, term to be arranged.

A study of principles of investigation, observation and inference and an extensive review of depth of the integrative functions of the central nervous system. Conference, 2 hours a week; laboratory, 6 hours a week; 96 hours. Prerequisites: To be determined by instructor.

Phy 520. Digestion and Absorption. 3 hours.

Intestinal absorption processes with emphasis on nutrient materials. Modern methods and techniques of investigation, dynamics of intestinal transport, the specialized functions of the gastrointestinal system in the assimilation of dietary nutrients.

Phy 521. Respiratory Gas Transport. 3 hours, term to be arranged.

Dynamics of transport of respiratory gases, with emphasis on graphical analysis of pulmonary and circulatory phases of transport. Ventilation-perfusion relationships, unsteady

DESCRIPTION OF COURSES

state, gas stores of the body, and exchange and equilibrium of inert gases. Conference, 2 hours a week; laboratory, 3 hours a week: 60 hours. Prerequisites: To be determined by instructor.

Phy 522. **Fetal and Neonatal Physiology.** 3 hours, spring term.

Special physiology of the *in utero* state and of the transition to an independent existence. Placental gas exchange; acid-base homeostasis; fetal and neonatal circulation, anoxia tolerance, thermal homeostasis, and renal functions. Conference, 2 hours a week; laboratory, 3 hours a week: 60 hours. Prerequisites: To be determined by instructor.

Clinical Sciences

CONJOINT COURSES—CLINICAL SCIENCE

Required Courses

First Year

Con 413. **Introduction to Patient Evaluation.** 3 hours spring.

A beginning course designed to introduce the student, in the setting of lectures, conferences and patient studies, to work with patients in the interview situation, and become familiar with the methods used in interviewing. The form, purpose and use of the medical history are reviewed along with considerations of the methods by which medical problems are solved. The pathophysiology and physical diagnosis of the eyes, ears, nose and throat is studied by means of lectures, practice sessions, and conferences. The differences in approach to the examination and consideration of disease in infants and children completes the course. 66 hours.

Second Year

Con 611. **Patient Evaluation.** 5 hours.

Lectures, demonstrations, practice sessions and ward rounds dealing with the principles of history taking physical examination, and the pathophysiological basis for physical signs. 126 hours.

Third Year

Con 620. **Child Health.** 18 hours.

An interdisciplinary course providing opportunity for the student to learn the fundamental concepts of child health as they relate to acute and chronic disease processes and the inter-relationships of the child, his family, school and community.

This course will be offered as a conjoint educational exercise by Pediatrics, Child Psychiatry, Medical Psychology, Public Health and Preventive Medicine and the Crippled Children's Division. Students will be provided with opportunities to examine a wide spectrum of patients and to interview their families and to participate as integral members of the medical care teams at Doernbecher Hospital and the Crippled Children's Division. They will pursue a continuity of care study which will necessitate involvement with the family, the community and social and medical agencies. Students will have experience in the newborn nurseries and the neonatal intensive care unit and will also have experience with normal children in a nursery school setting and with emotionally disturbed children.

Guidance will be provided by the staff during ward and field experiences and individual and group discussions will be provided as a regular part of the work. 12 weeks. Lectures 60 hours; ward work, clinic, conferences, seminars, hospital rounds and demonstrations. 432 hours.

Con 621. **Neurosciences.** 9 hours.

An interdisciplinary course to prepare the student to examine and detect disorders of the eye, ear and central nervous system. The student will be exposed to case material and instruction adequate to familiarize him with the pathogenesis of major diseases in these areas and to enable him to recognize early malfunctions in the systems. The course will be taught by the neurology, neurosurgery, ophthalmology, and otolaryngology sections in an integrated manner. 216 hours.

Elective Courses

Con 601. **Research.** Any term, hours to be arranged.

Con 605. **Reading and Conference.** Any term, hours to be arranged.

Con 607. **Seminar.** Any term, hours to be arranged.

Con 609. **Clinical Experience.** Any term, hours to be arranged.

Con 650. **Primary Physician.** Any term, hours to be arranged.

The student will be exposed to a model of family practice utilizing existing clinic and hospital facilities.

DEPARTMENT OF ANESTHESIOLOGY

Norman A. Bergman, Chairman of Department

Professors: **Bergman, Haugen**

Associate Professors: **Klein, Loehning, B. Thompson, Waltemath**

Associate Clinical Professor: **Gowing**

Assistant Professor: **Darsie** (Veterans Hospital)

Senior Instructors: **Erbguth, H. Jones** (Veterans Hospital)

Instructor: **Saga**

Clinical Instructors: **Branford, Copperman, D. Dobson, Hagmeier, Harber, Lamoreaux, Palmer, Peters, Schaff, C. Wagner**

Residents: **Bathurst, Eberle, Honma, Hoppins, Hummer, Kenney, Kice, M. Kim, Osterlind, Powell, Ruble, Shields, Sikes, Yoshioka**

Elective Courses

Anes 601. **Research.** Any term, hours to be arranged.

Anes 605. **Reading and Conference.** Any term, hours to be arranged.

Anes 607. **Seminar.** Any term, hours to be arranged.

Anes 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF CLINICAL PATHOLOGY

Tyra T. Hutchens, Chairman of Department

Professors: **C. Allen** (Nuclear Medicine), **Bramhall, T. Hutchens**

Clinical Professors: **Oyama, R. Thompson**

Associate Professors: **Berroth, Haines, M. Hamilton, Marquardt, Rashad**

Associate Clinical Professors: **Baer, H. Harris, Lium**

Assistant Professors: **Aitchison, Baptist** (Medical Technology), **J. D. Boyett** (Nuclear Medicine) (Veterans Hospital), **K. Kim, Koontz, Sheth, J. Swanson**

Assistant Clinical Professors: **Brady, D. Johnson, Landreth**

Instructors: **Chadwick** (Medical Technology), **Parker** (Medical Technology), **M. Thomas** (Medical Technology), **J. Wilkinson** (Medical Technology)

Clinical Instructors: **D. Brown, M. Campbell** (Medical Technology), **A. Hamilton**

Residents: **Chamberlain** (Ph.D., Toxicology), **Chawla, Fristoe, Kan, McFadden, Pornpatkul, F. Roberts**

DESCRIPTION OF COURSES

Elective Courses

- CP 501. **Research.** Any term, hours to be arranged.
- CP 505. **Reading and Conference.** Any term, hours to be arranged.
- CP 507. **Seminar.** Any term, hours to be arranged.
- CP 520. **Advanced Nuclear Medicine Techniques.** Any term, hours to be arranged.
Conferences and demonstrations concerned with theory, methodology, and clinical interpretation of special nuclear medicine procedures.
- CP 521. **Advanced Nuclear Medicine Laboratory.** Any term, hours to be arranged.
Laboratory experience with special nuclear medicine techniques and instrumentation.
- CP 522. **Nuclear Medicine Laboratory.** Any term, hours to be arranged.
Laboratory experience with instruments used in nuclear medicine.
- CP 601. **Research.** Any term, hours to be arranged.
- CP 605. **Reading and Conference.** Any term, hours to be arranged.
- CP 607. **Seminar.** Any term, hours to be arranged.
- CP 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF DERMATOLOGY

Walter C. Lobitz, Jr., Chairman of Department

Professors: **Hu** (Primate Center), **Lobitz, Montagna** (Primate Center)

Clinical Professors: **F. Kingery, Ray, T. Saunders, Walker**

Associate Professors: **Bell** (Primate Center), **Giacometti** (Primate Center),
Parakkal (Primate Center), **Wuepper**

Associate Clinical Professors: **Crowe, Dahl, Massar, Rollins, Ryan, Shaw, Watkins**

Assistant Professors: **Hanifin, Pasztor** (Primate Center), **Storrs**

Assistant Clinical Professors: **Caron, Currie, Larsen, B. Miller, Moyer, Romaine, Russell**

Instructors: **Hidehiko** (Primate Center), **Turner**

Clinical Instructors: **L. Allen, W. Anderson, Brokken, Contorer, DeLateur, D. Frisch, Hemphill, Lachman, Larner, D. Martin, R. Sullivan, Wright**

Research Assistants: **Beeman, M. Campbell, J. Johnson, Strangfeld**

Fellows: **Knutson** (Primate Center), **Turner, Winkler**

Residents: **Bishop, Blaugrund, Dimond, Druker, Graff, Knapp, C. Martin, Mickelwait, Rasmussen, D. Russell, Swinyer, D. Wood**

Elective Courses

- Derm 601. **Research.** Any term, hours to be arranged.
- Derm 605. **Reading and Conference.** Any term, hours to be arranged.
- Derm 607. **Seminar.** Any term, hours to be arranged.
- Derm 609. **Clinical Experience.** Any term, hours to be arranged.

DIVISION OF FAMILY PRACTICE

Laurel Case, Head of Division

Associate Professor: **Case**

Assistant Professor: **Gilberts**

Assistant Clinical Professor: **W. Fisher**

Instructor: **Sanders**

Clinical Instructors: **Abbott, Ambrosio, Atkinson, Bartlett, R. Bernard, Bianchini, Boe, Boyd, Boye, Buonocore, J. Byers, M. Byers, C. Chapman, Cockburn, Crist, Daniels, Daugherty, DeWitt, Findlay, Ford, Gorman, Gustafson, Harpole, Henderson, Huston, A. Hutchinson, Irvine, John, R. Johnson, Kochevar, Lawton, Lindsay, McIntyre, G. Miller, R. E. Moore, Nealy, O'Shea, Pennington, Pynch, Remy, Reynolds, G. Roberts, W. Roberts, R. Robinson, W. Ross, Sammons, Schroff, L. Scott, Skirving, V. Summers, W. Thompson, Urman, Van Veen, Vore, Voy, Wade, C. Weare, J. Weare, Weeks, White, Wiebe, Willeford, Winslow, P. Wolfe, Zupan**

DEPARTMENT OF MEDICINE

J. David Bristow, Chairman of Department

Professors Emeriti: **D. Baird, Brill, H. Haney, Holcomb, N. Jones, Lewis, Margason, Sheldon**

Professors: **M. Baird, J. Benson, Bristow, Carter, Edwards, Greer, Griswold, Grover, Holman, Kassebaum, Kendall, Koler, Labby, Linman, Mass (Veterans Hospital), Malinow (Primate Center), Metcalfe, J. Morris (Veterans Hospital), Pirofsky, Rahimtoola, Ritzmann (Veterans Hospital), A. Seaman, Speros, Stevens, Swank, Trainer, Walsh (Veterans Hospital)**

Clinical Professors: **Burgner, Dow, Kammer, Long, Michel, Perlman, E. Rosenbaum, Schwartz, Selling, Stephens, Tuhy, Underwood, Walker**

Associate Professors Emeriti: **Coffen, A. Davis, M. Moore, Swett**

Associate Professors: **R. Bailey, Bigley, J. D. Boyett (Veterans Hospital), Haas (Veterans Hospital), Haynie (Veterans Hospital), Hecht, Isom (Pediatrics), Kloster*, M. Krippaehne, W. Larson (Good Samaritan Hospital), W. Lawson, Litt, Melnyk, Neill (Veterans Hospital), G. Porter, Rabiner (Good Samaritan Hospital), Rittenberg (Microbiology)†, Roth, G. Seaman (Experimental Neurology), Shick (Veterans Hospital), F. W. Smith (Veterans Hospital)**

Associate Clinical Professors: **Aumann, Beall, A. Berg, Boylston, Flanery, M. Goldman, R. Goldman, Hare, Horenstein, Hurst, Livingstone, MacDaniels, Matteri, McMahon, Medved, T. Morris, D. E. Olson, O. Page, Reaume, Riley, W. Rogers, L. Rose, Soelling, Sutherland, Taylor, Watson, C. Wilson**

Assistant Professors: **Bardana, C. Bell (Good Samaritan Hospital), Bennett, Connell (Electronmicroscopy), Cook, Dewey (Good Samaritan Hospital), Ferry, Forse (Veterans Hospital), Grimm (Good Samaritan Hospital), Hammerstad, Hill (Primate Center), Holzgang, Huntington (Good Samaritan Hospital), Kremkau, Lezak (Veterans Hospital) (Medical Psychology), Lundh (Veterans Hospital), McDonald (Veterans Hospital), Mercer (Dietetics), Selden (Veterans Hospital), Zerzan, Zivin**

Assistant Clinical Professors: **Beck, J. Bell, Blatt, Boicourt, Brodeur, Brodie, Crislip, Cross (Rehabilitation), Dobrow, Doty, Forster, Freidberg, Galen, Garofalo, Gilbert, Goldberg, Goodman, Gray, Gurwith, Hoyt, Kliever,**

* Leave of absence July 1, 1972 to June 30, 1973.

† Leave of absence June 1, 1972 to January 1, 1973.

DESCRIPTION OF COURSES

R. Kosterlitz, Krakauer, Krygier, Kuhl, T. Lee, Lindgren, McCutchan, Mack, Maurice, Meighan, Meihoff, Musa, O'Hollaren, O'Toole, Paquet, Payne, H. Peterson, Pittenger, Reilly, Reimer, Rinehart, Robins, Romanaggi, Rullman, Rumbaugh, Schimschock, W. Scott, Semler, Senders, Shambaugh, Snodgrass, Storino, Wild

Senior Instructor: **Baker** (Good Samaritan Hospital)

Senior Clinical Instructors: **Blanchard, Cohen, Freiermuth, Giedwoyn, Greve, Haun, Healy, Jacobs, Kretschmar, Larsen, McKillop, W. Olson, Partidge, Vitums, Wysham**

Instructors: **Barton** (Good Samaritan Hospital), **Fratzke, Girard** (Veterans Hospital), **J. Hutchinson, Keeffe, Mahler** (Veterans Hospital), **Mills** (Good Samaritan Hospital), **G. Olsen, Rushmer** (Good Samaritan Hospital), **Walters** (Veterans Hospital)

Clinical Instructors: **Ames, J. Antonovic, Bangs, Baumeister, Birndorf, Bowman, L. Brice, M. Buchan, A. Buist, Chitty, P. Church, Craig, Dick, Drake, Drips, Dygert, Ellison, E. Erickson*, Eusterman, Evans, Gillick, Griffin, Hull, P. Hutchinson, Intile, Katon, Kazmierski, Keene, Ladd, L. Larson, Levine, Maks, Manzano-Dantas, Martinson, Masenheimer, McBarron, McCarthy, Nachtigal, Oerther, D. R. Olson, Palmrose, C. Peterson, Reich, Robertson, Rush, Sajid, Schaub, Sloop, K. Smith, R. Smith, Squires, Spolar, Strom, Tatum, F. Thomas, Uhland, Vallion, Van Sickle, Vaughn, Vervloet, Weaver, Weinstein, Wheeler, Wiley, R. Wilson, G. Wolfe, Woodworth**

Affiliate: **Lucas**

Residents: **T. Anderson, Berland, Berryman, Borucki, Byrne, Chubick, Douglass, Ebert, Feteih, Fitcher, Fredrickson, Garcia, Girard, G. Hamilton, Hartnett, Holden, K. Ironside, R. Ironside, Iverson, Jordan, Keeffe, Koster, Koukol, Kuehnel, C. Lewis, Little, McCool, McMullan, E. Meyer, Naman, Pantely, Potter, Ruskin, Sample, Serota, Sollek, Stein, Steinbrenner, D. Thompson, Trevor, Unger, J. Wilson, Yassinger, Zumbrun**

DIVISION OF CARDIOLOGY

Herbert E. Griswold, Head of Division

Professors Emeriti: **Brill, H. Haney**

Professors: **Bristow, Griswold, Kassebaum, Malinow** (Primate Center), **Metcalfe*, Rahimtoola, Ritzmann** (Veterans Hospital)

Clinical Professors: **Schwartz, Underwood**

Associate Professors Emeriti: **Coffen, A. Davis, Swett**

Associate Professors: **Kloster†, Neill** (Veterans Hospital)

Associate Clinical Professors: **Hurst, Reaume, Riley, W. Rogers, Rose, Sutherland**

Assistant Professors: **Kremkau, Selden** (Veterans Hospital)

Assistant Clinical Professors: **Boicourt, Brodeur, Crislip, Freidberg, Galen, Goldberg, T. Lee, Maurice, Rumbaugh, Semler, Wild**

Instructor: **J. Hutchinson**

Senior Clinical Instructors: **W. Jacobs, Wysham**

Clinical Instructors: **Ames, J. Antonovic**

* Leave of absence.

* Oregon Heart Association Chair of Cardiovascular Research

† Leave of absence July 1, 1972 to June 30, 1973.

Fellows: **Burg, Chaitman, DeMots, Hattenhauer, Hinnen, McAnulty, Owens, Schaeffer, Sim**

SECTION OF RENOLOGY

George A. Porter, Chief of Section

Associate Professors: **Haynie** (Veterans Hospital), **G. Porter**

Assistant Professors: **Bennett, Lundh** (Veterans Hospital), **McDonald**

Clinical Instructors: **Drake, Martinson, Oerther, D. R. Olson, F. Thomas, Wheeler**

DIVISION OF CHEST DISEASES

Miles J. Edwards, Head of Division

Professors: **Edwards, Morris** (Veterans Hospital), **Speros**

Clinical Professors: **Michel, Tuhý**

Associate Professors: **Haas** (Veterans Hospital), **W. Lawson**

Associate Clinical Professor: **D. E. Olson**

Assistant Professor: **Forse** (Veterans Hospital)

Assistant Clinical Professor: **Mack**

Senior Clinical Instructors: **Greve, Vitums**

Clinical Instructors: **A. Buist, Reich, Vervloet**

Research Associate: **Canon**

Research Assistants: **Barry, S. Williams**

Fellow: **W. Robertson**

DIVISION OF DIABETES AND METABOLISM

John W. Kendall, Jr., Head of Division

Professor: **Kendall**

Clinical Professor: **Stephens**

Associate Professor: **R. Bailey**

Associate Clinical Professors: **Hare, Horenstein, Page**

Assistant Professors: **Cook, McDonald** (Veterans Hospital)

Senior Clinical Instructor: **McKillop**

Clinical Instructors: **P. Church, E. Erickson***

Research Assistant: **D. Macfarlane**

DIVISION OF ENDOCRINOLOGY

Monte A. Greer, Head of Division

Professors: **Greer, Kendall**

Clinical Professor: **Kammer**

Associate Clinical Professors: **Aumann, Livingstone**

Assistant Professor: **Cook**

Assistant Clinical Professors: **Blatt, Kuhl**

* Leave of absence.

DESCRIPTION OF COURSES

Instructor: **G. Olsen**

Clinical Instructor: **L. Brice**

Research Fellows: **J. Allen, Fukada, J. Jacobs, Lamorena, Langer**

Research Associate: **C. Allen**

Research Assistants: **B. Jacobs, McGilvra**

DIVISION OF GASTROENTEROLOGY

John A. Benson, Jr., Head of Division

Professor: **J. Benson**

Clinical Professor: **Long**

Associate Professors: **Melnyk, Shick** (Veterans Hospital), **F. W. Smith** (Veterans Hospital)

Associate Clinical Professors: **Boylston, M. Goldman, Medved, Soelling**

Assistant Professor: **Zerzan**

Assistant Clinical Professors: **Krakauer, Meihoff, H. Peterson**

Senior Clinical Instructors: **Freiermuth, Haun, Healy**

Clinical Instructors: **Baumeister, Ellison, Evans, Kazmierski, Van Sickle**

DIVISION OF HEMATOLOGY

Arthur J. Seaman, Head of Division

Professors: **Linman, Mass** (Veterans Hospital), **A. Seaman, Walsh** (Veterans Hospital)

Associate Professors: **J. D. Boyett** (Veterans Hospital), **Rabiner** (Good Samaritan Hospital)

Assistant Clinical Professors: **Dobrow, Doty, Kliewer, Pittinger, Rullman**

Clinical Instructors: **Birndorf, Vallion**

Affiliate: **Lucas** (Dentistry, Dental School)

Research Assistants: **Huebner, Joseph, Moffat**

Clinical Fellows: **E. Andersen, Chandler**

DIVISION OF IMMUNOLOGY AND ALLERGY

Bernard Pirofsky, Head of Division

Professor: **Pirofsky**

Clinical Professors: **Perlman, Selling**

Associate Professor Emeritus: **M. Moore**

Associate Professor: **Rittenberg** (Microbiology)*

Associate Clinical Professor: **Matteri**

Assistant Professor: **Bardana**

Assistant Clinical Professors: **O'Hollaren, Robins, Romanaggi**

Clinical Instructors: **Nachtigal, Squire, R. Wilson, G. Wolfe**

Research Assistants: **August, Baltz, Craig, Davies, J. Morton, Pratt, Straub**

Fellows: **Beaulieu, Garges**

DIVISION OF INFECTIOUS DISEASES

Professor: **Morris** (Veterans Hospital)

Associate Professors: **M. Miller** (Pediatrics), **Rashad** (Clinical Pathology)

Assistant Clinical Professors: **Gilbert, Gurwith, O'Toole**

DIVISION OF NEUROLOGY

Roy L. Swank, Head of Division

Professor Emeritus: **Margason**

Professors: **Carter, Dow** (Good Samaritan Hospital), **Stevens, Swank**

Associate Professors: **Isom** (Pediatrics), **Roth, G. Seaman** (Experimental Neurology)

Associate Clinical Professors: **W. Larson** (Good Samaritan Hospital), **J. Watson**

Assistant Professors: **Bell** (Good Samaritan Hospital), **Connell** (Electron-microscopy), **Dewey** (Good Samaritan Hospital), **Ferry** (Pediatrics), **Grimm** (Good Samaritan Hospital), **Hammerstad, Huntington** (Good Samaritan Hospital), **Lezak** (Medical Psychology, Veterans Hospital), **Zivin**

Assistant Clinical Professors: **Bell, Brodie, Cross** (Rehabilitation), **Garofalo, Reilly, Reimer, Schimschock, Snodgrass, Storino**

Senior Instructor: **Baker** (Good Samaritan Hospital)

Instructors: **Barton** (Good Samaritan Hospital), **Mills** (Good Samaritan Hospital), **Rushmer** (Good Samaritan Hospital)

Clinical Instructors: **Dick, Levine, Sajid**

Research Associates: **L. Jackson, Kawasaki** (Good Samaritan Hospital), **Prichard**

Research Assistants: **M. Davis, Tamblyn**

Residents: **Bhothinard, Bisgard, Eraker, Ebert, Maukonen, Olmscheid, Samaras, Schwartz, R. Wilson**

DIVISION OF RHEUMATOLOGY

Edward E. Rosenbaum, Acting Head of Division

Clinical Professor: **E. Rosenbaum**

Associate Clinical Professor: **Taylor**

Assistant Clinical Professor: **Rinehart**

Senior Clinical Instructor: **Kretschmar**

Clinical Instructors: **Ladd, Sloop, Strom**

Internal Medicine—Required Courses

Second Year

Con 611. **Patient Evaluation.** (See page 50.)

Third Year

Med 620. **Third-Year Medicine.** 18 hours.

Third-year medicine introduces the student to the study of the broad field of internal medicine by means of hospital clerkship work and conference sessions. Hospital clerkship provides opportunity for the intensive study of patients with medical diseases, and active participation, under supervision, in ward rounds, and all other exercises and procedures

DESCRIPTION OF COURSES

connected with medical ward activity. Particular emphasis is given to the development of skill in history taking, physical examination, and differential diagnosis. Night or weekend duty on a rotational basis may be required. The conference sessions deal with basic concepts relating to a broad range of medical disorders, and discussions of reading in the field of internal medicine.

The student attends Medical Staff Conferences, staff rounds and a Medicine mortality conference. Conferences 7½ hours a week for twelve weeks. Clerkships 28½ hours a week for twelve weeks. 432 hours.

Internal Medicine—Elective Courses

Med 501. **Research.** Any term, hours to be arranged.

Med 505. **Reading and Conference.** Any term, hours to be arranged.

Med 507. **Seminar.** Any term, hours to be arranged.

Med 601. **Research.** Any term, hours to be arranged.

Students may elect to conduct research in the various divisions of medicine by arrangement with the head of the division.

Med 605. **Reading and Conference.** Any term, hours to be arranged.

Med 607. **Seminar in Medicine.** Any term, hours to be arranged.

Med 609. **Clinical Experience.** Any term, hours to be arranged.

Med 681, 682. **Premarital and Marital Counseling in Medical Practice and the Medical Problems of Sexuality.** 1 hour, winter and spring.

Lectures and discussions on the psychophysiological background of human sexuality and the medical and ethical problems encountered in this area of medical practice. 1 hour a week: 24 hours.

Med 691. **Electrocardiography.** 1 hour, winter term.

Conferences, demonstrations and laboratory exercises devoted to the techniques, physiological basis and interpretation of electrocardiography and vectorcardiography. Limited to students on the Medicine block. 2 hours a week for 12 weeks: 24 hours.

Med 692. **Ward Rounds in Endocrinology.** 1 hour, any term.

Examination and discussion of hospitalized patients with endocrine disease in Multnomah Hospital and Medical School Hospital. Limited to 6 students. 2 hours a week for 12 weeks: 24 hours.

Med 694. **Fluid Electrolytes and Acid Base Regulation.** 1 hour.

Intensive study of selected problems in fluid and electrolyte management in the Multnomah and Medical School hospitals. Students work in pairs and study assigned patients. Conferences and discussions on rounds concerning the diagnosis, treatment, and basic mechanisms of these disorders in patients. Patient study 2 hours a week at any convenient time; rounds 2 hours a week: 48 hours.

Med 696. **Special Case Studies in Medicine.** Any term, hours to be arranged.

Students may elect to make detailed studies and reports of selected cases in the fields of cardiovascular, pulmonary, endocrinological and metabolic diseases.

Med 697. **Hematological Cell Identification.** ½ hour any term.

Students are taught cell identification by actual study of slides under supervision. Maximum of 5 students for three weekly sessions. Given four times each term. 1 hour a week for 3 weeks: 3 hours.

Med 698. **Case Conference.** 1 hour any term.

Analysis of selected case material utilizing new and selected techniques in the study of pulmonary disease. 2 hours a week: 24 hours.

Neurology—Required Courses

Third Year

Con 621. **Neurosciences.** (See page 50.)

Elective Courses

Neu 601. **Research.** Any term, hours to be arranged.

Neu 605. **Reading and Conference.** Any term, hours to be arranged.

OBSTETRICS AND GYNECOLOGY

- Neu 607. **Seminar.** Any term, hours to be arranged.
- Neu 609. **Clinical Experience.** Any term, hours to be arranged.
- Neu 691. **Neurology Conference.** 1 hour any term.
Combined conference including neurology, neurosurgery, neuro-ophthalmology, and neuro-radiology. Limited to 10 students. 2 hours a week: 24 hours.
- Neu 692. **Experimental Neurology.** Any term, hours to be arranged.
Research techniques in neurology, neurochemistry, and electroencephalography. Open to third- and fourth-year students.
- Neu 693. **Clinical Clerkship in Advanced Neurology.** 1 hour any term.
Selected neurological cases studied and presented for discussion. Participation in combined neurological, neuroradiological and neurosurgical conferences. Selected studies in clinical neurology or in electroencephalography.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

- Ralph C. Benson**, Chairman of Department
- Professors Emeriti:* J. G. P. Cleland, Stearns, W. Wilson
- Professors:* R. Benson, R. Durfee
- Clinical Professor:* Fearl
- Associate Professors:* deMaria, A. Lis, Novy, Pernoll
- Associate Clinical Professors:* Breese, Langley, Newton
- Assistant Clinical Professors:* Bischoff, Blatchford, Bolton, Fergus, Franklin, Fuller, Fulsher, D. James, Kinzel, Lage, McKeown, Mitchell, Parrott, J. Ray, W. Thomas
- Clinical Instructors:* B. Alberts, P. Alberts, R. Allen, Bergstrom, J. E. Cleland, Copeland, Corwin, Dahlman, DeCastro, Doughton, Griffith, Hanschka, Hara, Hendricks, Hicks, Krauss, H. Lee, P. Roberts, Tarniasky, Thornton, Tyerman, Weyhrich, E. Williams
- Affiliate:* Seager
- Residents:* G. Anderson, Axman, Bice, D. Brown, Burkhardt, K. Burry, Carnes, Carver, Cutting, F. Duncan, R. Jacobson, Kauffman, Marcum, Montoya, Ono, Roth, Thom

DIVISION OF PERINATOLOGY

- Martin L. Pernoll**, Head of Division
- Professors:* Babson, R. Benson, Bilbao, L. Carlson, R. Durfee, Engel, Lees, Metcalfe, Olmsted
- Associate Professors:* Blank, J. R. Campbell, deMaria, Hecht, Linder, Novy, Pernoll, Prescott
- Assistant Professors:* Benda, Klein
- Senior Advisors:* Ashley, R. Benson, Koler, Montagna, Olmsted, Sleeter

Required Course

Fourth Year

- ObG 630. **Fourth-Year Obstetrics and Gynecology.** 9 hours, one section each term.
Senior students have a block time during their fourth year. During this time, small group seminars reinforce clinical teaching on ward rounds, clinics and special outpatient sub-specialty clinics in high-risk pregnancy and fertility problems. Obstetrical cases in the

DESCRIPTION OF COURSES

hospital are examined and followed; there is active participation in ward rounds and teaching conferences. Each student must observe 12 deliveries, participate in at least six deliveries, and follow the course of the mother and child during an assigned period. Students also examine and follow assigned gynecological hospital patients and participate in ward rounds and conferences. Attendance at gynecology tumor outpatient clinic and therapy conference once weekly is required. Obstetrics and Gynecology Clerkship, 33 hours a week for six weeks, in sections. Gynecology Clinic, 10 hours a week for 3 weeks. Obstetrics Clinic, 10 hours a week for 3 weeks. General Clinical Conference, 2 hours a week for 6 weeks.

Elective Courses

ObG 601. **Research.** Any term, hours to be arranged.

ObG 605. **Reading and Conference.** Any term, hours to be arranged.

ObG 607. **Obstetrics Seminar.** Any term, hours to be arranged.

ObG 609. **Clinical Experience.** Any term, hours to be arranged.

ObG 650. **Fetal Neonatal Death Conference.** ½ hour, any term.

DEPARTMENT OF OPHTHALMOLOGY

Kenneth C. Swan, Chairman of Department

Professor Emeritus: **E. Taylor**

Professors: **Burns, Christensen, Swan**

Clinical Professor: **L. Jones**

Associate Professors: **S. Mcyer, Weimar**

Associate Clinical Professors: **Keizer, McLean, Talbot, Zeller**

Assistant Professors: **Beard, Feeney, Tongue**

Assistant Clinical Professors: **P. Bailey, W. Campbell, Cowger, Enders, Fischer, R. Haney, R. Hill, Lalli**

Senior Clinical Instructors: **Bedrossian, Brewer, Kreft, Markley, J. Saunders, Tanner, Terman**

Clinical Instructors: **Ellsworth, Farr, Flaxel, D. Johnson, Klass, L. Peterson, Wobig**

Residents: **Baer, Brooksby, D. Durfee, Helzerman, D. Jones, Palmer, Pendergast, Rich, Schults, Sorom, Steele, Weleber**

Required Course

Third Year

Con 621. **Neurosciences.** (See page 50.)

Elective Courses

Eye 601 **Research.** Any term, hours to be arranged.

Supervised research training in the John E. Weeks Memorial Laboratory of Ophthalmology: ocular pathology, physiology, cellular physiology, pharmacology and experimental surgery.

Eye 605. **Reading and Conference.** Any term, hours to be arranged.

Eye 607. **Seminar.** Any term, hours to be arranged.

Eye 609. **Clinical Experience.** Any term, hours to be arranged.

Intensive study of visual system and disorders. Active participation in patient care in clinic and wards. Attendance in classes and conferences for residents. Opportunity to participate in departmental research activity.

DEPARTMENT OF OTOLARYNGOLOGY

David D. DeWeese, Chairman of Department

Professors: **DeWeese, C. Smith** (Kresge Research Laboratory), **Vernon** (Kresge Research Laboratory)

Clinical Professors: **P. Bailey, Chamberlain, Hansen, L. Jones**

Associate Professors: **Brummett** (Kresge Research Laboratory), **Schleuning**

Assistant Professors: **Buck** (Speech Pathology) (Portland Center for Hearing and Speech), **Everts, Herman** (Kresge Research Laboratory), **Warren E. Johnson** (Audiology) (Portland Center for Hearing and Speech), **Meikle, Ten Eyck** (Veterans Hospital)

Assistant Clinical Professors: **Bolton, Jordan, Kuhn, Mettler, P. Myers, Summers**

Senior Clinical Instructors: **Hodgson, Imbrie, Landrey, Panian**

Clinical Instructors: **Bergeron, Chowning, Fortsch, Korn, Schroeder**

Residents: **Carr, Delorit, Dowsett, D. Fitzgerald, R. Harris, Hoover, J. Lindgren, Manor, Mather, Milligan, Traynor, B. West**

DIVISION OF DENTISTRY

Louis G. Terkla, Head of Division

Professors: **Bruckner, Hixon, Jarabak, Lucas, Merrill, Paulson, D. Porter, Rickles, Savara, Terkla**

Associate Professors: **Bartley, Bennett, Gullikson, Jastak, Mathewson, Parker, Woodworth, Woolley, Wright**

Assistant Professors: **Bouneff, Buchanan, Emery, Fleetwood, D. Kelly, Pike, Ranney, J. Thomas, C. Thompson**

Instructors: **F. McKeown, Park**

Required Course

Third Year

Con 621. **Neurosciences.** (See page 50.)

Elective Courses

ENT 601. **Research.** Any term, hours to be arranged.

ENT 605. **Reading and Conference.** Any term, hours to be arranged.

ENT 607. **Seminar.** Any term, hours to be arranged.

ENT 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF PEDIATRICS

Richard W. Olmsted, Chairman of Department

Professors: **Babson, Blakeley** (Speech Pathology), **Boverman, R. Campbell*, Carlson†, W. Clark, Engel, Isom, Lees, Lillywhite** (Speech Pathology), **Meechan, Menashe, Olmsted, Rasmussen, Sleeter, Young** (Audiology)

* Leave of absence August 1, 1972 to December 1, 1972.

† Leave of absence April 1, 1972 to December 1, 1972.

DESCRIPTION OF COURSES

Clinical Professors: Billmeyer, Bussman, Cochran, Goodnight, Hart, May, Nash, Press, Rector, Schunk, Stevenson, Van Rooy, Walliker, Wert

Associate Professors: Blank, Browder, N. Buist, Fay (Speech Pathology), Ferry, Hecht, Inger, Lovrien, D. Macfarlane, M. Miller, C. Williams, Woodcock

Associate Clinical Professors: Boehnke, Chappell, Eleff, Goss, Hendricks, Hill, Hurst, Kelly, Klevit, Kracke, Massengale, Mendelson, L. Smith, Snook, Springer, Thornfeldt, Varga

Assistant Professors: Benda, Castro, French (Anthropology), Grach, Magen, C. Sunderland, W. Sunderland§, Tufts, Wolff

Assistant Clinical Professors: Ashley, Blair, Cavalli, C. Clark, Emmerich, Fortlage, Frothingham, Harlor, J. Hansen, Hartford, F. Jacobson, Moody, Murdoch, O'Leary, T. Olsen, Pomeroy, Roe, Sessions, Sinanan, Stager, Stanton, Whittemore

Instructors: Amdall, Brenes, Butzer, Colwell, DeKlotz, Francis, Jhaveri, L. Johnson, F. Miller, Musgrave, Nomura, Rapp, Strimling, Talwalkar, Waage, Wicklund, M. Williams

Clinical Instructors: Berry, Brooks, Fleshman, Frankel, R. Frisbie, Glass, Hall, Leibrecht, B. Marquardt, W. Miller, Noble, Urry, Yao‡, Younger

Residents: M. Brown, K. Cox, Currier, Dahl, DeLeo, Harding, K. Iorio, W. Johnson, J. MacMahon, J. Means, Nolte, Perkett, Spomer, Weiner

Fellows: Rosenberg, Skelton

Required Course

Third Year

Con 620. Child Health. (See page 50.)

Elective Courses

Ped 601. Research. Any term, hours to be arranged.

Ped 605. Reading and Conference. Any term, hours to be arranged.

Ped 607. Seminar. Any term, hours to be arranged.

Ped 609. Clinical Experience. Any term, hours to be arranged.

DEPARTMENT OF PSYCHIATRY

George Saslow, Chairman of Department

Professor Emeritus: Dixon

Professors: Blachly, Boverman (Child Psychiatry), Irwin (Pharmacology), Labby, Pauly, Saslow

Visiting Professor: Lipkin

Clinical Professor: Dickel

Associate Professors: Denney, Glaudin (Veterans Hospital) (Psychology), Inger (Psychology), N. Kosterlitz (Psychiatric Social Work), Lingas, Marks (Psychology), Morgenstern*, Straumfjord, Taubman, Tovey (Psychiatric Social Work), Woodcock (Child Psychiatry)

Associate Clinical Professors: T. Bennett, Berthelsdorf, Butler, Daugherty (Family Practice), Fine (Group Processes), Fink, W. Hutchens, Morrison (Child Psychiatry), Parvaresh, E. Scott (Psychology), Waterman

§ Leave of absence.

‡ Leave of absence.

* Leave of absence September 1, 1972 to August 31, 1973.

Assistant Professors: **Collins** (Social Work), **M. Scott, Stanger, Stubbs, U'Ren, Winans** (Social Work)

Assistant Clinical Professors: **Bottomly, Bray, Colbach, Deeney, Goocher** (Psychology), **Gregory, G. Hughes, Jetmalani, Kimball, Kole, MacKenzie, McKinley, Mighell, Paltrow, R. Phillips, Pidgeon, Ransmeier, Sessions** (Pediatrics), **Taplin** (Psychology)

Instructors: **Amdall, J. Larsen**

Clinical Instructors: **Amstadter** (Child Psychiatry), **Ball, Bischel, Boggs** (Medicine), **C. Brown, Carlisle, Duncan, Frankel** (Psychology), **Holt, Horenstein, C. Johnston, Kjaer, Luther, McDowell** (Psychology), **Newman** (Psychology), **Panzer, Petroske, Plummer, Shore, M. Smith, Trautmann, Utt, Voiss, Wesche, Worthylake**

Research Associates: **E. Baker, Maher**

Residents: **Angell, J. Baker, T. Burton, Fairley, Farley, D. Frisbie** (Child Psychiatry), **Gordon, Grass, Hayes, McCulloch, Marcel, Reisman, Shames, Silver, J. Thompson, Vaughey** (Child Psychiatry), **Vissell**

Required Courses

First Year

Psy 410. The Human Context of Medical Practice. 2 hours, fall.

The major goal of this course is to make explicit the student's awareness of basic problems of human life that are germane to medical practice. By the use of lectures, clinical demonstrations, and discussions, a student will become aware of alternative choices in many medical decisions and the impact his own attitudes and values have in making these decisions. He will also become aware of the impact upon himself of medical attitudes and values that differ from his own. He will learn to elicit clear statements of another's attitudes and values about matters of importance to the other person. The student will learn basic communicative skills such as paraphrasing, behavior description and summarizing that he can use in the day-to-day problems confronting a medical student. Finally, he will learn to function as a member of an interprofessional health team and with non-health groups that influence medical practice. Lectures, clinical demonstrations and discussions, 36 hours.

Con 413. Introduction to Patient Evaluation. (See page 50.)

Third Year

Con 620. Child Health. (See page 50.)

Fourth Year

Psy 630. Psychiatry Clinical Clerkship. 9 hours.

The clinical clerkship in psychiatry affords the opportunity to expand concepts and to obtain clinical experiences in psychiatric illness and the emotional correlates of physical disease. Systematic instruction in principles of psychopathology and treatment will be provided through lectures, seminars, case conferences, and individual supervision. Supervised clinical experience is obtained in the psychiatry outpatient clinic, psychiatry inpatient facility, emergency room, community health facilities, and in consultation with the pediatric, medical and surgical services. Special emphasis is placed on further development of the student's interviewing and interactional skills with patients. 216 hours.

Elective Courses

Psy 601. Research in Psychiatry. Any term, hours to be arranged.

Psy 605. Reading and Conference in Psychiatry. Any term, hours to be arranged.

Psy 607. Seminar in Psychiatry. Any term, hours to be arranged.

Psy 609. Clinical Experience. Any term, hours to be arranged.

DESCRIPTION OF COURSES

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

Harold T. Osterud, Chairman of Department

Professors: **Osterud, Reinschmidt**

Clinical Professors: **Press**

Associate Clinical Professors: **Batten, Fox, Greenlick, Oleinick, Osgood, Welborn**

Assistant Professors: **Chavigny, Goldblatt, P. Kim, Tilson**

Assistant Clinical Professors: **Dierker, Donnelly, Haskell, Meador, Stitt**

Senior Instructor: **Lessel**

Senior Clinical Instructors: **Brandon, Holmes, M. Martin, Toombs**

Clinical Instructors: **Bobbitt, Creighton, Witter**

Affiliate: **Shanbeck**

Research Assistant: **Crawford**

DIVISION OF ENVIRONMENTAL MEDICINE

William E. Morton, Acting Head of Division

Professors: **Horton, Morton**

Clinical Professor: **Sullivan**

Assistant Clinical Professors: **Douglas, R. Martin, McClure, Rieke, Sittner, Welch**

Research Assistants: **Eshleman, Schuff**

Required Courses

First Year

PH 410. **Public Health and Epidemiology.** 3 hours, fall and winter.

Introduction to concepts and measurements of community health status and problems; emphasis upon human ecology, epidemiology, biostatistics, and environmental sanitation. Lectures, demonstrations and seminars. 72 hours.

Third Year

Con 620. **Child Health.** (See page 50.)

Elective Courses

PH 501. **Resarch.** Any term, hours to be arranged.

PH 505. **Reading and Conference.** Any term, hours to be arranged.

PH 507. **Seminar.** Any term, hours to be arranged.

PH 601. **Research.** Any term, hours to be arranged.

PH 605. **Reading and Conference.**

Law and Medicine: Winter term, hours to be arranged.

A course in medical law, including the basis of law, malpractice, partnerships, contracts and forensic pathology. Three hours a week, 12 weeks.

Epidemiology: Any term, hours to be arranged.

Investigation and field studies. Students choose a subject of interest in preventive medicine, public health, delivery of medical care, etc. Six or 12 weeks.

PH 607. **Seminar.** Any term, hours to be arranged.

PH 609. Clinical Experience.

Clinical Field Experience: Any term, hours to be arranged.

Field experience in community medicine and public health or environmental medicine.
Emphasis on student's area of interest. Six or 12 weeks.

DEPARTMENT OF RADIOLOGIC DIAGNOSIS

Charles T. Dotter, Chairman of Department

Professors: **Bilbao, Dotter, Frische, Rösch**

Professor of Radiologic Technology: **Drum**

Associate Professor: **Blank**

Clinical Professors: **Burton, Trout**

Associate Clinical Professors: **W. Erickson, A. Hunter, Loomis, R. Miller, Ovregaard, Raines, Satterwhite, Shipps, Straube, Wandel, Warnock**

Assistant Professors: **R. Antonovic, Kerber, Kiesel** (Veterans Hospital), **Stille** (Veterans Hospital)

Assistant Clinical Professors: **Friedman, Green, Mueller, Wishart**

Clinical Instructors: **Arkless, Cordova, Haber, G. Johnson, Leary, McDougall, Peck, Philips, Purnell, Roddy, Sayler, Sewell, Stoney, Turcke, Wiley, O. Williams**

Research Associate: **T. Hutchens**

Research Assistants: **Kidd, Lakin**

Residents: **J. Anderson, R. Anderson, Barnett, M. Burry, Cain, J. Cooper, Cromwell, Fields, Freeny, Henderson, D. Holman, T. Lee, Lloyd, G. Miller, Pappas, Quilici, Reade**

Cardiovascular Fellows: **Barrett, Madeira**

Required Course

Third Year

RadD 620. Radiographic Diagnosis. 1½ hours. Two terms either fall, winter or spring.

Broad experience in the interpretation and reporting of X rays through weekly film reading assignments followed by small-group case presentation exercises. Lectures on diagnostic principles, radiographic technic, radiation hazard and protection. 1 hour a week for two terms: 24 hours.

Elective Courses

RadD 601. Research. Any term, hours to be arranged.

RadD 605. Reading and Conference. Any term, hours to be arranged.

RadD 607. Seminar. Any term, hours to be arranged.

RadD 609. Clinical Experience. Any term, hours to be arranged.

RadD 690. Radiographic Diagnosis. Any term, hours to be arranged.

Practical experience derived from individually assigned cases in the teaching file; correction and discussion of students' presentations at weekly seminar; observation and supervised participation in clinical radiologic procedures and related conferences. Enrollment limited.

DEPARTMENT OF RADIATION THERAPY

Clifford V. Allen, Chairman of Department

Professor: **C. Allen**

DESCRIPTION OF COURSES

Associate Professor: **Haines** (Nuclear Medicine)

Associate Clinical Professors: **Horowitz, M. Hyman, S. Hyman, J. Lee**

Assistant Professors: **Shaich** (Radiation Physics), **K. Stevens**

Assistant Clinical Professor: **Galluci**

Clinical Instructor: **Vermeere** (Radiation Biology)

Residents: **M. Huntington, Lienert, Penniman, Ostlund**

Required Course

Second Year

Con 610. **Systems Pathophysiology.** (See page 38.)

Elective Courses

RadT 601. **Research.** Any term, hours to be arranged.

RadT 605. **Reading and Conference.** Any term, hours to be arranged.

RadT 607. **Seminar.** Any term, hours to be arranged.

RadT 609. **Clinical Experience.** Any term, hours to be arranged.

RadT 691. **Introduction to Radiation Therapy.** Hours to be arranged.

Attendance and participation in Radiation Therapy planning conferences, observing treatment and follow-up examination on assigned cases.

DEPARTMENT OF SURGERY

William W. Krippaehne, Chairman of Department

Professors: **Fletcher, Henke** (Veterans Hospital), **W. Krippaehne, C. Peterson, Vetto** (Veterans Hospital)

Clinical Professors: **J. C. Adams, Baker, Boyden, McKirdie, Rosenblatt, Wise, Zeller**

Associate Professors: **Jacob, R. Robertson, D. Wood**

Associate Clinical Professors: **Awe, Bassett, D. Cleland, Dennis, Garnjobst, Gorrell, Groshong, Marcum, Shields, Steffanoff, Wayson**

Assistant Professors: **Eidemiller, Leung, J. Porter, Vander Veer**

Assistant Clinical Professors: **Andrews, Beckwith, Bieker, N. Campbell, Foster, Grout, Gustavson, Hallin, M. Howard, Hyde, Inahara, Johnsrud, Kelley, Laird, Leaverton, Lindgren, Mayer, Nadal, Parshley, Reiner, K. Robertson, Rowland, Sloop, Snedecor, Sullivan, Trommald, Uhle, N. Wilson**

Senior Clinical Instructors: **Battalia, Blumberg, Bollam, P. Brown, Colver, Cutler, Diack, Flanagan, Gingrich, Guffee, Harding, Jefferson, R. Johnson, C. Lee, Lindquist, Loehden, McAllister, Marshall, J. Meyer, D. Miller, Nichols, Odell, Olwine, Reed, J. Roberts, Shlim, Spaulding, C. Starr, Weed**

Instructor: **Brant-Zawadzki***

Clinical Instructors: **Bachulis, F. Bentley, Braun, Clisby, Duncan, Edelson, Eisendorf, J. Hayes, Holmes, Kantor, Kanzler, G. Lee, McFarlane, Markee, Mathieson, Naylor, J. Owen, Patton, Perrin, Puziss, Reeves, W. Rosenbaum, Rothenberger**

Residents: **D. Anderson, Bidgood, Dundas, duPriest, Hale, Harrison, Hurst, Kraybill, Lindell, McConnell, Merhoff, Moseley, Nolte, Oehling, Rokicki, Sandilands, Sasaki, Sloan, Snider, Snyder, Strong, Wesche, Wustrack, Yeager**

DIVISION OF CARDIOPULMONARY SURGERY

Albert Starr, Head of Division

Professor Emeritus: **Conklin**

Professor: **A. Starr**

Associate Professor: **R. Anderson**

Associate Clinical Professor: **J. Wood**

Assistant Professor: **Bonchek**

Assistant Clinical Professors: **Bigelow, Chapman, Hodam, Lowell**

Senior Clinical Instructors: **Poppe, Sparks, Sweetman**

Instructor: **Dobbs**

Clinical Instructors: **Bergquist, Leon, Matar, Rogers**

Fellows: **Barros, L. Davis, Gomez-Engler, Sugimura**

Residents: **Bunch, Lolas, Phillips, Okies**

DIVISION OF NEUROSURGERY

Harold D. Paxton, Head of Division

Professors: **Gallo, Paxton**

Clinical Professor: **Raaf**

Associate Professor: **Sato**

Associate Clinical Professor: **E. Davis, Seres**

Assistant Professor: **Tanabe**

Assistant Clinical Professor: **Kloos**

Clinical Instructors: **J. Dennis, Grewe, C. Hill, Misko, Parsons, Tahir**

Residents: **Gary, Hummell, Simons, Werschkul**

DIVISION OF ORTHOPEDICS

William Snell, Head of Division

Professors Emeriti: **Begg, Blair, C. Carlson**

Professors: **Beals, Snell**

Clinical Professors: **Chuinard, J. Davis, Slocum**

Associate Professor Emeritus: **Kimberley**

Associate Professor: **P. Fagan** (Veterans Hospital)

Associate Clinical Professors: **H. Davis, Noall, F. B. Smith**

Assistant Professor: **Guyer**

Assistant Clinical Professors: **Abele, R. Berg, P. Campbell, R. Case, Fitch, Geist, Hopkins, Langston**

Senior Clinical Instructors: **Boyden, Cherry, M. Church, Cottrell, C. Fagan, J. Gill, S. Gill, Groth, Holm, S. James, O. Jones, Kiest, R. Larson, Logan, McKillop, Mason, Post, Robinson, Short, R. Zimmerman**

DESCRIPTION OF COURSES

Clinical Instructors: **Baskin, Berselli, Chester, Clarke, Eckhardt, T. Edwards, Eilers, Embick, T. Fagan, Fry, Gambee, Graham, Grossenbacher, Harder, Hazel, Lisac, Nathan, J. Nelson, Rankin, Rask, Stanford, J. Thompson, Tiley, Vessely, F. Wade, Wisdom**

Residents: **Baldwin, Haaland, Hayhurst, T. Hutchinson, Kaesche, MacCloskey, K. Peterson, R. Porter, Schroeder, W. Smith, Surbaugh, S. Thomas**

DIVISION OF PEDIATRIC SURGERY

John R. Campbell, Head of Division

Professor: **J. R. Campbell**

Assistant Clinical Professor: **T. Campbell**

Senior Clinical Instructor: **Ditmore**

Clinical Instructor: **Trautman**

DIVISION OF PHYSICAL MEDICINE AND REHABILITATION

Professor Emeritus: **A. Jones**

Associate Professor: **Fowlks** (Veterans Hospital)

Assistant Clinical Professor: **Peirson**

Senior Instructor: **King** (Veterans Hospital)

Clinical Instructor: **J. Gerhardt**

DIVISION OF UROLOGY

Clarence V. Hodges, Head of Division

Professor: **Hodges**

Clinical Professors: **Ferguson, Gardner, Hand, Montgomery**

Associate Professor: **R. Lawson**

Associate Clinical Professors: **Emmett, Lehman, R. J. Moore, Paull**

Assistant Professor: **Pearse**

Assistant Clinical Professors: **Beardsley, Collier, Giesy, Kalez, C. Macfarlane, Rustin, Sandoz, Vandenberg**

Clinical Instructors: **Catlow, Crary, Gabor, Gilbaugh, Halpert, Sacco, Weeber, D. A. Young**

Residents: **Barry, Carey, Dechet, Emery, Fuchs, Nichols, Pitre, Rosenquist, Skeeters, D. Young, Walker**

General Surgery—Required Course

Fourth Year

Sur 630. **Fourth-Year Surgery.** 18 hours.

The fourth-year surgical course objectives are to graduate physicians who are grounded in the principles and practice of surgery, who can evaluate surgical information and the role of the surgical consultant, can recognize common surgical disorders, treat surgical emergencies, diagnose and prepare patients for operation, recognize and treat postoperative problems, and perform minor surgical operations. This is accomplished through three months' participation in the emergency room, hospital wards, clinics and operating room activity in General Surgery, Orthopedics, Urology and Anesthesia. Conferences, seminars, lectures, and outside reading complement patient care activities to accomplish these broad goals.

General Surgery—Elective Courses

- Sur 601. **Research.** Any term, hours to be arranged.
 Sur 605. **Reading and Conference.** Any term, hours to be arranged.
 Sur 607. **Seminar.** Any term, hours to be arranged.
 Sur 609. **Clinical Experience.** Any term, hours to be arranged.

Cardiopulmonary Surgery—Elective Courses

- CSur 601. **Research.** Any term, hours to be arranged.
 CSur 605. **Reading and Conference.** Any term, hours to be arranged.
 CSur 607. **Seminar.** Any term, hours to be arranged.
 CSur 609. **Clinical Experience.** Any term, hours to be arranged.

Neurosurgery

Required Course

Third Year

- Con 621. **Neurosciences.** (See page 50.)

Elective Courses

- NSur 601. **Research.** Any term, hours to be arranged.
 Clinical and basic research projects in neurosurgery. Intended for students primarily interested in careers in neurology and neurological surgery.
 NSur 605. **Reading and Conference.** Any term, hours to be arranged.
 NSur 607. **Seminar.** Any term, hours to be arranged.
 NSur 609. **Clinical Experience.** Any term, hours to be arranged.
 NSur 650. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** ½ hour.
 Discussions and demonstrations of the altered neurophysiologic background and anatomy encountered in patients with neurosurgical problems. Emphasis on student interest and participation in discussion of the basic concepts involved. Lectures and demonstrations, 1 hour a week; 12 hours.

Orthopedics—Elective Courses

- Orth 601. **Research.** Any term, hours to be arranged.
 Orth 605. **Reading and Conference.** Any term, hours to be arranged.
 Orth 607. **Seminar.** Any term, hours to be arranged.
 Orth 609. **Clinical Experience.** Any term, hours to be arranged.

Urology—Elective Courses

- Ur 601. **Research.** Any term, hours to be arranged.
 An introduction to the clinical field of transplantation with emphasis on immunosuppressive therapy and its complications; an introduction to the experimental techniques in surgery and immunology as applied to current problems in organ transplantation.
 Ur 605. **Reading and Conference.** Any term, hours to be arranged.
 Ur 607. **Seminar.** Any term, hours to be arranged.
 Ur 609. **Clinical Experience.** Any term, hours to be arranged.

5

ALLIED HEALTH AND OTHER INSTRUCTIONAL PROGRAMS



Medical Technology

Tyra T. Hutchens, Director

Margaret E. Berroth, Assistant Director

Mary E. Baptist, Educational Coordinator

Professors: **Bramhall, T. Hutchens**

Clinical Professor: **R. Thompson**

Associate Professors: **Berroth, Haines, Hamilton, Marquardt, Rashad**

Assistant Professors: **Aitchison, Baptist, K. Kim, Koontz, Sheth, J. Swanson**

Instructors: **Chadwick** (Clinical Microbiology), **Parker** (Hematology), **M. Thomas** (Immunohematology), **J. Wilkinson** (Clinical Chemistry and Urinalysis)

Clinical Instructor: **M. Campbell**

Assistants to the Educational Coordinator: **B. Carlson, Chambers, Dudley, Engeldinger, Fraser, Goodstein, Kimmey, Korten, Matsumura, Reed, Seto, B. Wilkinson**

Training in medical technology is offered in the clinical laboratories of the University of Oregon Medical School. The twelve-month program, established in 1933, is approved by the American Medical Association.

The minimum admission requirements are three years of college work (135 term hours) including: 24 term hours of biology (which must include a course in bacteriology); 24 term hours of chemistry, with lectures and laboratory, which may include qualitative analysis; one term of college mathematics. It is strongly recommended that a physics course be included in the student's college preparation. The three years of prerequisite work may be completed in any accredited college or university. Transcript evaluation by the ASCP Board of Schools of Medical Technology is not required for admission to the University of Oregon Medical School program.

Classes begin with the fall term and academic credit is granted for the work of the fall, winter, and spring terms. No credit is given for the summer term, which is necessary for certification by the ASCP Board of Registry of Medical Technologists. Before entering the medical technology program, it is mandatory that a student possess sufficient basic credits required for a degree in the Oregon State System of Higher Education, or in the institution at which he obtained his college preparation, so that upon satisfactory completion of the academic year in the medical technology program at the University of Oregon Medical School and applying credits earned, he will receive his baccalaureate degree.*

Upon satisfactory completion of the twelve continuous months' study period, a certificate is issued to the student by the University of Oregon Medical School. The student is then eligible to take the National Certifying Examination given twice a year by the ASCP Board of Registry of Medical Technologists. (Beginning December 1973, a baccalaureate degree will be required for certification examination eligibility.) Upon passing the examination, the student is qualified as a Certified Medical Technologist with the American Society of Clinical Pathologists, MT (ASCP).

* Students expecting to receive the bachelor's degree from the University of Oregon should include 9 hours of English composition and 9 hours of English literature in their preparatory programs. See the University of Oregon Catalog for specific courses that meet the literature requirements.

Applications for admission may be obtained from the Director of Admissions of the Medical School. Applications are accepted between December 1 and March 1.

Fees

Textbooks and uniforms are supplied by the student.

There are a limited number of dormitory rooms for women; application may be made through the Women's Residence Director, 707 S.W. Campus Drive, Portland 97201.

Students in medical technology are required to pay fees for Fall, Winter and Spring terms. Oregon residents pay \$182 a term; non-residents \$422 a term. A health coverage fee of \$33 is assessed for the summer term. Medical technology students also pay the "special fees" listed on page 19 under the conditions indicated.

Grading System and Grades

A grading system of A to D is used at the Medical School. A is the highest and D is the lowest passing grade. Students in the Medical Technology curriculum are expected to maintain a G.P.A. of 2.00 or better during the twelve-month period. If a course is not completed within the time allotted, the work must be finished satisfactorily within one year. Failure in a course requires repetition of the course. In most courses the student will be given frequent written and practical tests, marked with percentage grades. The student may be given these percentage grades by his instructors, but final grades are issued only by the Registrar's office. Final grades are given for each term's work, but are issued only at the end of the Winter and Spring quarters.

If at any time during the school year the student feels his work is not satisfactory, he should consult his instructor. Should special problems arise that threaten to interfere with study, the student should consult a faculty member for advice before his scholarship has been seriously affected.

Dismissal

A student may be dropped upon recommendation of the faculty. The faculty has the right to sever, at any time, the connection with the Medical School of any student who is considered to be physically, morally or mentally unfit for a career in Medical Technology.

A student ordinarily may be on probation status for one term before the faculty recommends his dismissal; however, the faculty, for adequate cause, may drop a student without previous warning.

Medical Technology—Graduate Program

A graduate program leading to the Master of Science degree is offered for qualified students.

Calendar

Fall Term, 1972

September 5 through September 9	Registration ; orientation
September 6, <i>Wednesday</i>	Last day for payment of fees
September 11, <i>Monday</i>	Instruction begins
November 23, <i>Thursday</i>	Thanksgiving holiday
November 25, <i>Saturday</i>	Fall term ends

Winter Term, 1972-73

November 27, <i>Monday</i>	Registration ; instruction begins
November 28, <i>Tuesday</i>	Last day for payment of fees
December 23 through January 1, 1973	Christmas vacation ; laboratory instruction continues
February 17, <i>Saturday</i>	Winter term ends

Spring Term, 1973

March 5, <i>Monday</i>	Registration ; instruction begins
March 6, <i>Tuesday</i>	Last day for payment of fees
May 19, <i>Saturday</i>	Spring term ends
August 31, <i>Friday</i>	Certification Ceremony

Fall Term, 1973

September 4 through September 8	Registration ; orientation
September 10, <i>Monday</i>	Instruction begins

In addition to the classroom schedule listed above, students are required to be in attendance for laboratory instruction as required by the Department of Clinical Pathology. The entire program of classroom and laboratory instruction covers a period of one calendar year.

Curriculum in Medical Technology

	<i>Term Hours</i>
Fall Term	
MT 410. Clinical Bacteriology	4
MT 415. Clinical Biochemistry	3
MT 417. Hematology	2
MT 420. Clinical Immunology and Serology	2
MT 422. Medical Laboratory Technique	7
	<hr/> 18
Winter Term	
MT 411. Clinical Bacteriology	3
MT 414. Nuclear Medicine	2
MT 416. Clinical Biochemistry	3
MT 418. Hematology	3
MT 423. Medical Laboratory Technique	7
	<hr/> 18

	<i>Term Hours</i>
Spring Term	
MT 413. Urinalysis	1
MT 419. Immunohematology	2
MT 421. Clinical Parasitology	2
MT 412. Pathophysiology and Medical Terminology	2
MT 407. Seminar	2
MT 424. Medical Laboratory Technique	8
	<hr/> 17

MT 407. **Seminar.** 2 hours spring.
Selected topics of laboratory medicine with emphasis on laboratory instrumentation and electronics. 2 hours a week.

MT 410, 411. **Clinical Bacteriology.** 4 hours fall, 3 hours winter.
The microorganisms pathogenic for man. Study of the culture, the morphological characteristics, and the means of isolation and identification of these organisms. Fall: Lectures, 4 hours a week. Winter: Lectures, 3 hours a week.

MT 412. **Pathophysiology and Medical Terminology.** 2 hours spring.
Lectures reviewing basic anatomy and physiology. Study of the most common disease processes in man and their correlation with laboratory findings with explanation of the correct medical terminology. Lectures, 2 hours a week.

MT 413. **Urinalysis.** 1 hour spring.
A study of the mechanisms of formation and identification of the normal and abnormal components of urine. Lectures, 1 hour a week.

MT 414. **Nuclear Medicine.** 1 hour winter.
Lectures and demonstrations concerned with the basic theory and the practical application of nuclear medicine techniques to medicine. Lectures, 2 hours a week.

MT 415, 416. **Clinical Biochemistry.** 3 hours fall, 3 hours winter.
The principles of biochemistry and the applications of colorimetry; gasometric analysis, and quantitative chemistry in the determination of substances in blood and body fluids. Fall: Lectures, 3 hours a week; Winter: 3 hours a week.

MT 417, 418. **Hematology.** 2 hours fall, 3 hours winter.
The normal function and development of blood cells, basic pathophysiology of hematologic diseases, laboratory procedures pertaining to hematology and their correlation with various disease states. Fall: Lectures, 2 hours a week; Winter: Lectures, 3 hours a week.

MT 419. **Immunohematology.** 2 hours spring.
The principles of immunohematology as applied to blood banking with special emphasis upon blood groups and types, and techniques demonstrating antigen-antibody reactions; donor collection, processing and storage and hazards of transfusions; blood components; medical-legal aspects. Lectures, 2 hours a week.

MT 420. **Clinical Immunology and Serology.** 2 hours fall.
Basic principles of immune response. The principles of serological phenomena in the laboratory. The factors influencing precipitin, flocculation, and complement fixation tests as applied to serum diagnosis of disease. Special consideration of flocculation and complement fixation tests as they apply to the diagnosis of syphilis. Lectures, 2 hours a week.

MT 421. **Clinical Parasitology.** 2 hours spring.
The life cycles, modes of transmission and diagnostic features of the more common parasites of man. Lectures, 2 hours a week.

MT 422, 423, 424. **Medical Laboratory Technique.** 7 hours fall and winter, 8 hours spring.
Theory, demonstrations and practice of medical laboratory technique pertaining to the fields of clinical bacteriology, urinalysis, hematology, clinical biochemistry, nuclear medicine, clinical parasitology, immunohematology and clinical immunology and serology. Fall and winter, 21 hours per week; spring, 24 hours per week.

Elective Courses

- MT 501. **Research.** Any term, hours to be arranged.
- MT 505. **Reading and Conference.** Any term, hours to be arranged.
- MT 507. **Seminar.** Any term, hours to be arranged.
- MT 520. **Advanced Nuclear Medicine Techniques.** Any term, hours to be arranged.
- MT 521. **Advanced Nuclear Medicine Laboratory.** Any term, hours to be arranged.

MEDICAL TECHNOLOGY

Faculty

- John P. Aitchison**, Ph.D., Assistant Professor of Clinical Pathology (1969).
B.A. (1957), British Columbia; Ph.D. (1969), California.
- Mary Elizabeth Baptist**, B.A., Assistant Professor of Medical Technology; Educational Coordinator (1950).
B.A. (1944), Montana; M.T. (ASCP) (1946).
- Margaret E. Berroth**, M.D., Associate Professor of Clinical Pathology; Assistant Director of Educational Programs (1966).
Abitur (1947), Greifswald Lyceum; M.D. (1954), Heidelberg.
- James L. Bramhall**, M.B., Professor of Clinical Pathology (1962).
M.B., Ch.B., (1951), Victoria University of Manchester Medical School, England.
- Mary C. Campbell**, B.A., Clinical Instructor in Medical Technology (1968).
B.A. (1944), Vassar.
- Patricia A. Chadwick**, B.S., Instructor in Medical Technology (1966).
B.S. (1950), Massachusetts; M.T.(ASCP) (1957); S., M.(ASCP) (1967).
- James E. Haines**, M.D., Associate Professor of Clinical Pathology (1966).
B.S. (1950), M.D. (1955), Stanford.
- Martha L. Hamilton**, M.D., Associate Professor of Clinical Pathology (1957).
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.
- Tyra T. Hutchens**, M.D., Professor of Clinical Pathology; Chairman of Department (1953).
B.S. (1943), M.D. (1945), Oregon.
- Kenneth S. W. Kim**, Ph.D., Assistant Professor of Clinical Pathology (1972).
B.A. (1953), Hawaii; M.S. (1960), Ph.D. (1964), University of Washington.
- John D. Koontz**, B.S., Assistant Professor of Clinical Pathology (1963).
B.S. (1954), Oregon; M.T.(ASCP) (1952).
- Victor C. Marquardt, Jr.**, M.D., Associate Professor of Clinical Pathology; Assistant Director of Clinical Laboratory Services (1964).
B.A. (1953), Wesleyan; M.D. (1957), Nebraska.
- Rose M. Parker**, A.R.T., Instructor in Medical Technology (1967).
R.T. (1959), Canada; A.R.T.(Hema.) (1964), Canada.
- Abdel L. Rashad**, M.D., Ph.D., Associate Professor of Clinical Pathology (1969).
M.D. (1959), Cairo, Egypt; Ph.D. (1966), University of Washington.
- Kirtikant V. Sheth**, M.B.B.S., Assistant Professor of Clinical Pathology (1971).
M.B.B.S. (1966), Bombay, India.
- J. Robert Swanson**, Ph.D., Assistant Professor of Clinical Pathology (1969).
B.S. (1961), Colorado; Ph.D. (1965), Washington State.
- Marian S. Thomas**, B.S., Instructor in Medical Technology (1969).
B.S. (1964), Southern Oregon; M.T.(ASCP) (1965); S.,B.B.(ASCP) (1969).
- Richard Thompson**, M.D., Clinical Professor of Clinical Pathology (1968).
A.B. (1920), Oregon; M.D. (1924), Columbia.
- James A. Wilkinson**, B.S., Instructor in Medical Technology (1966).
B.S. (1962), Oregon; M.T.(ASCP) (1963).

Assistants to Educational Coordinator

- Betty M. Carlson**, B.S., Clinical Hematology Technique.
B.S. (1945), Hamline; M.T.(ASCP) (1945).
- Dorothy B. Chambers**, B.S., Specimen Collection Technique.
B.S. (1958), Marylhurst; M.T.(ASCP) (1949).
- Claudia L. Dudley**, B.S., Laboratory Office Procedure.
B.S. (1958), Oregon; M.T.(ASCP) (1959); S.,C.(ASCP) (1966).
- Irene R. Engeldinger**, B.S., Clinical Chemistry Technique.
B.S. (1944), Marylhurst; M.T.(ASCP) (1948).
- Nancy P. Fraser**, M.S., Immunohematology Technique.
B.S. (1964), Wesleyan; M.S. (1969), Ohio State; M.T.(ASCP) (1965); S.,B.B. (ASCP) (1970).
- Steven Goodstein**, B.A.
B.A. (1966), San Jose State; M.T.(ASCP) (1967).
- Allan R. Kimmey**, B.S., Clinical Chemistry Technique.
B.S. (1963), Oregon; M.T.(ASCP) (1964).
- Christine E. Korten**, B.S., Clinical Microbiology Technique.
B.S. (1969), College of Idaho; M.T.(ASCP) (1969).
- Wallace H. Matsumura**, B.A., Clinical Serology Technique.
B.A. (1952), Hawaii; M.T.(ASCP) (1955).
- Sandra L. Reed**, B.A., Clinical Hematology Technique.
B.A. (1961), Maine; M.T.(ASCP) (1962).
- Harry Seto**, B.S., Nuclear Medicine Technique.
B.S. (1955), Oregon; M.T.(ASCP) (1956); N.M.(ASCP) (1964).
- Brenda M. Wilkinson**, B.S., Toxicology Technique.
B.S. (1960), Pacific; M.T. (ASCP) (1961).

Cytotechnology

Peter J. Dawson, Director

A twelve-month course in cytotechnology leading to A.S.C.P. certification as a cytotechnologist, is offered by the Medical School's department of pathology to students with a minimum of two years (60 semester or 90 quarter hours) of credit from an accredited college or university. Twelve semester or 18 quarter hours in biology must be included. Students accepted into the program, which is conducted in the cytology laboratories of the University of Oregon Medical School, begin on September 1 of each year. No tuition is charged. The program is approved by the Council on Medical Education of the American Medical Association and Board of Schools, American Society of Clinical Pathologists.

Hospital Dietetics

Ruth L. Mercer, Director

The program in hospital dietetics offered in the University of Oregon Medical School Hospitals and Clinics was approved by the American Dietetic Association in 1943. The course provides the one year's internship in a hospital necessary to complete requirements for membership in the association.

The minimum admission requirement is graduation with a B.S. degree, including the academic requirements of the American Dietetic Association.

During the twelve-month training period at the Medical School, the student pays no tuition but provides her own supplies, including uniforms. Students receive complete maintenance and an allowance of \$200 per month.

Appointments are made once a year; applications should be submitted to the Director of Dietetics, University of Oregon Medical School Hospitals and Clinics, not later than March 1.

Nuclear Medicine Technology

James E. Haines, Director

The department of clinical pathology offers a twelve-month traineeship in nuclear medicine technology. Prerequisites are a baccalaureate degree from an accredited college or university and certification by the ASCP Registry of Medical Technologists as a medical technologist, MT(ASCP). The nuclear medicine technology program starts early each September. No tuition is charged.

Trainees assist with performance of procedures in the nuclear medicine division of the department of clinical pathology and receive an appropriate stipend. In addition to nuclear medicine technology experience, trainees attend lectures and conferences in radiation physics, radiobiology, anatomy, and nuclear medicine. They also assist with the instruction of students in the AMA-approved medical technology program during their nuclear medicine technology laboratory rotation.

Trainees completing the traineeship are eligible to take the national nuclear medicine technology examination given by the ASCP Board of Registry of

Medical Technologists and which leads to certification as a nuclear medicine technologist, NM(ASCP).

Orthoptics

Kenneth C. Swan, Director

Donna Minamoto, Educational Coordinator

The department of ophthalmology offers a one-year preceptorship in orthoptics approved by the American Orthoptic Council. Prerequisites are two years' credit from an accredited college or university and completion of the basic course in orthoptics sponsored each summer by the American Orthoptic Council. Students enter the preceptorship in September. Application should be made to the department of ophthalmology by the first of March. No tuition is charged and students are assisted in applications for scholarships.

Upon completion of the program students are qualified to take a national examination given by the American Orthoptic Council leading to certification as an orthoptist.

Orthoptists assist ophthalmologists in the evaluation and management of abnormalities in vision and binocular coordination.

Radiation Therapy Technology

Clifford V. Allen, Director

The department of radiation therapy offers a one-year training program in radiation therapy technology approved by the American Medical Association in collaboration with the Subcommittee on Technologic Affairs of the American College of Radiology. The minimum admission requirement is certification as a radiologic technologist (RT) or registered nurse (RN). Applications are considered once a year and must be submitted before October 1. The program begins on October 15. No tuition is charged. Each trainee receives a stipend of \$250 per month and must furnish his own uniform and books.

The program includes clinical experience in radiation therapy technology as well as lectures in radiation physics, radiobiology, anatomy, pathology, and radiation therapy.

Students completing the program are required to take the national examination given by the American Registry of Radiologic Technologists leading to certification as a radiation therapy technologist, RT(T).

Radiologic Technology

Charles T. Dotter, Director

Betty L. Palmer, Educational Coordinator

The Department of Radiologic Diagnosis of the University of Oregon Medical School offers a 30-month course of training for radiologic technologists in coopera-

OTHER INSTRUCTIONAL PROGRAMS

tion with Portland Community College. The course is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Registry of Radiologic Technologists. Graduates of the course receive an Associate Arts degree in Applied Science, and are eligible to take the examination required by the American Registry of Radiologic Technologists for certification as Registered Radiologic Technologists.

Candidates for admission must be 18 years old and high school graduates (or the equivalent). Students with college credits are given preference. Preference is also given to applicants with physics, chemistry, biology and geometry. One year of high school algebra or one term of college algebra is required. An application, school transcripts, personal references and a personal interview must be completed before the applicant will be considered for admission.

Tuition (approximately \$800 for ten terms) is payable to Portland Community College on a per-term basis. Beginning the eleventh month of training, students receive a taxable monthly stipend of \$100. The course in Radiologic Technology includes approximately 700 hours of classroom work and 3000 hours of hospital clinical training. At the Medical School, clinical instruction is under the supervision of the Chief Technologist and members of the technical staff of the Department of Radiologic Diagnosis. The physician who chairs this department, and members of his medical staff also participate.

The curriculum includes courses in anatomy and physiology, physics, medical terminology, ethics, radiographic technique, processing, chemistry, radiation protection, radiation therapy and film critique. Other subjects include those courses that complement the curriculum for the Associate Arts degree in Applied Science. Eighteen students are admitted annually in September. Applications will be received beginning December 1 through April 1. Selection will be completed by May 1, and all applications should be submitted to the Director of the Program in Radiologic Technology, Department of Radiologic Diagnosis, University of Oregon Medical School.

Scholarships and Loans

Scholarships and loans are available for students in several of the allied health programs. Consult the respective program directors for details.

Continuing Medical Education

Physicians are motivated to pursue the scholarly habit of life-long learning because of their desire to provide the best possible care for patients. There are five basic ways these goals are achieved.

- a. The daily acquisition of new knowledge by reading carefully selected textbooks and periodicals.
- b. Frequent consultation with peers.
- c. Active participation in community hospital medical staff programs such as medical record audits and clinical pathologic conferences.
- d. Attending educational programs sponsored by learned professional societies such as the American Academy of General Practice and the American College of Physicians.
- e. Attending short postgraduate courses produced by medical schools, voluntary health agencies and hospitals.

GRADUATE STUDIES

In order to help the physician achieve this last objective, the Medical School makes its teaching and clinical facilities available for continued postgraduate study. An extensive postgraduate program has been arranged, consisting of a series of short intensive courses, usually of three to five days' duration. These courses are devoted to special subjects and are scheduled throughout the year. Instruction is by lectures, demonstrations, conferences, discussion groups, and patient presentations.

A circuit course program is presented in Oregon, Idaho and Montana. The courses deal with heart disease, cancer, stroke, and related diseases and are financed in part by the Oregon Regional Medical Program. In addition, psychiatry circuit courses are held in 18 Oregon communities.

Enrollment is open to any physician who is licensed to practice in his state of residence.

Graduate Studies (See also Graduate Catalog)

The University of Oregon Medical School offers graduate programs in the basic medical sciences, leading to the Master of Science and Doctor of Philosophy degrees; the degrees are conferred by the University of Oregon upon recommendation of the faculty of the Medical School. A combined program leading to both medical and basic science graduate degrees is also available for selected medical students. Work leading to the Master of Science or Doctor of Philosophy degree is offered in anatomy, biochemistry, medical psychology, microbiology, pathology, pharmacology, and physiology. The master's degree is offered in medical technology also. Programs of graduate study leading to the degree of Master of Science in Nursing Education and Master of Nursing are offered by the University of Oregon School of Nursing. See page 82.

Complete details concerning study toward the degree of Master of Science and Doctor of Philosophy are incorporated into a separate bulletin entitled *Graduate Studies Programs*. This bulletin is available from the Office of the Registrar and should be consulted by persons interested in graduate study.

Combined Program Leading to the M.D. and a Graduate Degree

The Medical School offers a special five-year program of study for students wishing to work toward the Master of Science degree while completing the regular curriculum in medicine. This combined program of graduate-medical study is open only to students who plan to spend five years in residence at the Medical School. Required graduate major credit is earned in a major department of graduate study. Medical credits are granted for basic science courses in the medical curriculum. Medical students wishing to enter this program must be accepted as graduate students by the Graduate Council and the Dean.

To provide training for those medical students who wish to prepare themselves more completely for careers as physician-scientists, a program leading to the combined M.D. and Ph.D. degrees has recently been approved and activated. This course of training may require a total time span of seven years of post-baccalaureate study. It affords opportunity for advanced coursework in the fundamental sciences of mathematics, physics and chemistry, and for advanced coursework in the basic medical sciences that cannot be incorporated into the M.D.-M.S. program. Candidates for the Doctor of Philosophy degree who have already earned the Doctor of Medicine degree may apply a maximum of 45 term hours of credit (one academic year) in the basic medical sciences toward the advanced degree.

Internship and Residency Programs

The internship programs of the University of Oregon Medical School Hospitals and Clinics are approved by the Council on Medical Education and Hospitals of the American Medical Association. Appointments are made through the National Internship Matching Program. All internship programs are twelve months in length and include a rotating internship with 36 positions, a straight internship in medicine with eight positions, a straight internship in pathology, and four straight medical psychology internships. All patients in the hospitals and clinics are house cases and are under the personal care of an intern, who is responsible to the resident and attending faculty member responsible for the service. Internship appointments are effective June 26.

One of the important functions of a medical school is the training of physicians in the medical specialties. The demand for such training has greatly increased in recent years. In response, the Medical School residency program has been expanded to provide approximately 240 appointments. Residency training follows one year of internship and consists of two to five years of study devoted entirely to one specialized field of medicine. Instruction is given both in clinical departments and in related basic science departments of the School.

All residencies have received the approval of the Council on Medical Education and Hospitals of the American Medical Association and of the respective American boards. Residencies are offered in anesthesiology, cardiopulmonary surgery, child psychiatry, clinical pathology, dermatology, family practice, internal medicine, medical psychology, neurological surgery, neurology, obstetrics and gynecology, ophthalmology, orthopedics, otolaryngology, pathology (anatomical), pediatrics, psychiatry, radiologic diagnosis, radiation therapy, general surgery, urology.

The following Portland hospitals cooperate with the Medical School in the residency programs: Emanuel Hospital, St. Vincent Hospital, Shriner's Hospital for Crippled Children, Good Samaritan Hospital, and Veterans Hospital.

Applications should be made to the chairman of the department concerned. Appointments are made six to eight months in advance of the beginning of the residency period, July 15.

School of Nursing

The University of Oregon School of Nursing, located on the campus of the University of Oregon Medical School, Portland, offers three programs: the Bachelor of Science degree, the Master of Science in Nursing Education and the Master of Nursing.

The Bachelor of Science degree is designed for two types of students: the student with no previous preparation in nursing, and the registered nurse student who is a graduate of a hospital or community college school of nursing.

For the student nurse with no previous preparation in nursing, the program is four academic years and one summer term. It prepares the student to become a professional nurse who gives total patient care in hospitals, public health agencies, and in the community, who assumes leadership of other nursing personnel, and who possesses the foundations for advanced study in teaching, supervision, administration and consultation.

SCHOOL OF NURSING

For the freshman year, the students enrolls in an accredited college or university for study in liberal arts and basic sciences.

For the sophomore year, the student nurse transfers to the School of Nursing, Portland, where she continues her liberal arts studies along with professional nursing courses. Students receive courses in theory and clinical experience in all basic areas of nursing—medical, surgical, obstetrics, pediatrics, psychiatric, and public health nursing. The program's educational resources on campus are: The University of Oregon Medical School Hospital including Doernbecher Memorial Hospital for Children, Multnomah Hospital, the Outpatient Clinic, the Crippled Children's Division with the university-affiliated Child Development and Rehabilitation Center, and the University State Tuberculosis Hospital. The off-campus facilities that provide additional clinical experiences are: the Visiting Nurse Association; Dammasch Hospital, Wilsonville; Portland State University; Bess Kaiser Hospital; St. Vincent Hospital and Medical Center; Multnomah and Marion County Health Departments; Physicians and Surgeons Hospital; Good Samaritan Hospital and the U.S. Veterans Administration Hospital.

Students are admitted to the School of Nursing on or about June 15th, the beginning of Summer term. They are required to take the National League for Nursing Prenursing and Guidance Examination prior to admission.

For the registered nurse student entering the baccalaureate program, assessment is made of her previous preparation in nursing. Contingent upon the student's previous educational preparation, sequence of course and program design are modified to assure that she meets the same goals of the baccalaureate program.

The student in this program may be allowed some credits in nursing for previous work. It may be in the form of transfer credits from an associate degree program. The hospital school graduate is allowed credit in nursing on the basis of results of comprehensive examinations on selected nursing courses administered at the University of Oregon School of Nursing. The comprehensive examination is required of all graduates of associate degree and hospital programs. The student who does not elect to challenge course content through equivalency examinations will take the same courses as the student without previous nursing preparation.

Courses in this program contribute to the broadening and strengthening of previous preparations and assist the student in developing increased professional competency. They do not lead to specialization but serve as a foundation for further professional education. The program provides a balance of general and professional education.

Students are admitted to the School of Nursing at the same time as students with no previous preparation for nursing. Prior to admission the students file two official transcripts of their school of nursing and college records.

The Master of Science in Nursing Education is designed for nurses who have graduated from an accredited college or university with an upper division nursing major and desire advanced professional preparation. A major in medical-surgical nursing is offered. The program is planned to prepare nurses for faculty positions. The program is four quarters in length.

The *Master of Nursing* program, also four quarters in length, is designed for nurses whose undergraduate preparation was obtained in an accredited university or collegiate school of nursing. The focus is on clinical nursing. The Graduate Record Examination is required before admission. The National League for Nursing has granted Reasonable Assurance of Accreditation to this program.

A catalog containing detailed information about the programs of the School of Nursing and how to apply may be obtained by writing to the Dean, University of Oregon School of Nursing, Portland 97201.

6

MEDICAL
SCHOOL
FACULTY



Executive Faculty

Charles N. Holman, Dean of the Medical School; Joseph J. Adams, Clifford V. Allen, Michael D. Baird, Ralph C. Benson, Norman A. Bergman, John M. Brookhart, J. David Bristow, Laurel Case, Vaughn Critchlow, David D. DeWeese, Charles T. Dotter, M. Roberts Grover, Jr., Tyra T. Hutchens, Richard T. Jones, Robert D. Koler, William W. Krippaehne, Walter C. Lobitz, Jr., Joseph D. Matarazzo, Richard D. Moore, Richard W. Olmsted, Harold T. Osterud, William K. Riker, George Saslow, Richard L. Sleeter,* Kenneth C. Swan, Lyle Veazie, William A. Zimmerman

STANDING COMMITTEES OF THE FACULTY

Admissions and Advanced Standing—Clifford S. Melnyk (Chairman), Robert L. Bacon, George C. Buchan, Marion L. Krippaehne, Joseph D. Matarazzo, Robert J. Meechan, Dick B. Speight (ex officio)

Animal Care—Roy L. Swank (Chairman), LeRoy F. Erickson, William S. Fletcher, Monte A. Greer, M. Ronald Parelus, Bernard Pirofsky, Alfred J. Rampone, Marvin B. Rittenberg, Allan L. Rogers, Ralph D. Tanz

Clinical Grant Review and Investigational Drug—Herbert A. Wendel (Chairman), Robert H. Bigley, Robert E. Brummett, Robert Campbell, D. Duane Denney, John Doerfler, Barbara Iglewski, Stanley W. Jacob, Russell K. Lawson

Curriculum and Schedule—William W. Krippaehne (Chairman), John A. Benson, Jr., Paul H. Blachly, Howard W. Davis, John de Maria, M. Roberts Grover, Jr., Richard T. Jones, Joseph D. Matarazzo, Ernest A. Meyer, Richard D. Moore, Harold T. Osterud, William K. Riker, Richard L. Sleeter,* William E. Snell, John T. Van Bruggen; *Students*: John Lobitz, Stuart Loeb, Ronald J. Sharp

Educational Methods—Tyra Hutchens (Chairman), Margaret E. Berroth, Paul Blachly, Hall Downes, M. Roberts Grover, Jr., Richard Herren, Gerald W. Miller, Arthur Seaman, John T. Van Bruggen

Honors and Awards—George C. Buchan (Chairman), Peter J. Dawson, Sam L. Meyer, Richard W. Olmsted, Martin L. Pernoll

Graduate Council—John M. Brookhart (Chairman), Reid S. Connell, Jr., Robert D. Fitzgerald, Terence Joys, Howard S. Mason, Richard D. Moore, May Rawlinson, Ralph D. Tanz

Instructional Aids Advisory—John R. Campbell (Chairman), Emil J. Bardana, Jr., Margaret Berroth, Marcella Cate, F. John de Maria, Richard Herren, Margaret Hughes, Alan L. Morgenstern, Robert E. Swanson, Ralph E. Tuomi, John T. Van Bruggen

Internship Advisory—Michael J. Miller (Chairman), William S. Fletcher, Robert D. Koler, Frances J. Storrs, R. Mark Vetto

Jones Lectureship—Herbert E. Griswold (Chairman), Monte A. Greer, Frank E. Kloster

Library—William E. Morton (Chairman), Morton Goodman, John W. Kendall, Jr., George H. Lage, George Long, Nelson R. Niles, Evelyn Schindler, Archie R. Tunturi, Joseph B. Vander Veer, Herbert M. Woodcock

STANDING COMMITTEES

Minority—**Laurel Case** (Chairman), **William Bennett**, **Bernice Cochran**, **M. Roberts Grover, Jr.**, **William Jackson**, **Ken Niehans**, **Donna Schantz**, **Dick B. Speight**
Student members are elected yearly.

Patent—**William A. Zimmerman** (Chairman), **John Doerfler**, **George I. Johnston**, **Bernard Pirofsky**, **Benjamin B. Ross**, **Roy L. Swank**, **John T. Van Bruggen**

Planning Council—**Joseph J. Adams** (Chairman), **Jean E. Boyle**, **J. David Bristow**, **John M. Brookhart**, **A. J. Clemons**, **Edwin Everts**, **Dallas G. Finnell**, **Kaye E. Fox**, **M. Roberts Grover, Jr.**, **Barbara Hiatt**, **Tyra T. Hutchens**, **William W. Krippaehne**, **Harold T. Osterud**, **William H. Prentice**, **Richard L. Sleeter**,* **Louis G. Terkla**

Radiation Safety—**Robert D. Koler** (Chairman), **James Haines**, **Demetrios A. Rigas**, **Kenneth R. Stevens, Jr.**, **Harry Shaich** (ex officio)

Research—**Walter C. Lobitz, Jr.** (Chairman), **William S. Fletcher**, **Wallace Iglewski**, **John W. Kendall, Jr.**, **James Metcalfe**, **Alfred J. Rampone**, **Jack A. Vernon**, **John Doerfler** (ex officio)

Research Instrument Service—**Don C. Wood** (Chairman), **Norman A. Bergman**, **M. Ronald Parelius**, **Demetrios A. Rigas**, **Benjamin B. Ross**, **John G. Roth**

Safety—**Charles N. Holman** (Chairman), **A. J. Clemons**, **Barbara Hiatt**, **Margaret Hughes**, **Tyra T. Hutchens**, **George Johnston**, **Jim Joyce**, **Max Kersbergen**, **Bill Kribs**, **Michael Litt**, **Robert Rasmussen**, **Allan Rogers**, **Gary Rood**, **Richard L. Sleeter**,* **Ralph Tuomi**, **W. A. Zimmerman**

Scholarships—**William A. Zimmerman** (Chairman), **Reid S. Connell, Jr.**, **Clarence V. Hodges**, **Harold D. Paxton**, **Dick B. Speight**

Student Faculty—*Faculty Members*: **Robert J. Meechan** (Chairman), **Robert L. Bacon**, **Rodney Beals**, **Anthony E. Gallo**, **M. Roberts Grover, Jr.**, **Frank E. Kloster**, **Ernest A. Meyer**, **Kenneth A. Niehans**, **William K. Riker**, **R. Mark Vetto**
Student members are elected for one- or two-year terms.

Student Health Advisory—**Anthony E. Gallo** (Chairman), **Curtis Holzgang**, **Martin L. Pernoll**, **Julian S. Reinschmidt**, **Frances J. Storrs**, **Mary Pat Sullivan**, **Christopher P. S. Williams**. *Student members*: **Patricia Berns**, **Claudia Hostetler**, **Ray Nicola**, **Stephen Thomas**

Dean's Advisory Committee for the Veterans Hospital—**Charles N. Holman** (Chairman), **Clifford V. Allen**, **Michael D. Baird**, **Norman A. Bergman**, **J. David Bristow**, **David D. DeWeese**, **Charles T. Dotter**, **Tyra T. Hutchens**, **Robert D. Koler**, **William W. Krippaehne**, **Walter C. Lobitz, Jr.**, **Richard D. Moore**, **George Saslow**, **Kenneth C. Swan**, **Louis G. Terkla**

* Deceased.

MEDICAL SCHOOL FACULTY

Emeritus Faculty

- David W. E. Baird, M.D., LL.D.**, Dean Emeritus.
M.D. (1926), Oregon; LL.D. (1946), University of Portland.
- Roderick E. Begg, M.D.**, Associate Professor Emeritus of Orthopedics.
B.S. (1924), Oregon State; M.D. (1937), Oregon.
- Harry C. Blair, M.D.**, Professor Emeritus of Orthopedics.
M.D. (1915), Oregon.
- Isidor C. Brill, M.D.**, Professor Emeritus of Medicine.
B.A. (1912), M.D. (1914), Columbia.
- C. Elmer Carlson, M.D.**, Professor Emeritus of Orthopedics.
A.B. (1917), Reed; M.D. (1920), Oregon.
- John G. P. Cleland, M.D.**, Professor Emeritus of Obstetrics and Gynecology.
M.D., C.M. (1924); M.S. (1926), McGill.
- Charles W. Coffen, M.D.**, Associate Professor Emeritus.
B.S. (1932), Stanford; M.D. (1936), Johns Hopkins.
- William S. Conklin, M.D.**, Professor Emeritus of Cardiorespiratory Surgery.
A.B. (1931), Dartmouth; M.D. (1934), Pennsylvania.
- Norman A. David, M.D.**, Professor Emeritus of Pharmacology.
A.B. (1925), M.D. (1931), California.
- Aubrey M. Davis, M.D.**, Associate Professor Emeritus of Medicine.
B.A. (1927), Stanford; M.D. (1929), Oregon.
- Henry H. Dixon, Sr., M.D.**, Professor Emeritus of Psychiatry.
M.D. (1928), Washington University.
- Bertha B. Hallam, B.A.**, Professor Emerita, Library.
B.A. (1931), Oregon.
- Hance F. Haney, M.D., Ph.D.**, Professor Emeritus of Medicine.
B.A. (1926), M.A. (1928), Ph.D. (1934), Wisconsin; M.D. (1934), Chicago.
- Blair Holcomb, M.D.**, Professor Emeritus of Medicine.
M.D. (1919), Rush (University of Chicago).
- Arthur C. Jones, M.D.**, Professor Emeritus of Physical Medicine and Rehabilitation.
B.A. (1921), Pacific University; M.A. (1925), M.D. (1926), Oregon.
- Noble Wiley Jones, M.D.**, Professor Emeritus of Medicine.
A.B. (1895), Stanford; M.D. (1901), Rush (University of Chicago).
- A. Gurney Kimberley, M.D.**, Associate Professor Emeritus of Orthopedics.
B.S. (1929), M.D. (1930), Oregon; D.Sc. (1937), Columbia.
- Howard P. Lewis, M.D.**, Professor Emeritus of Medicine.
B.S. (1924), Oregon State; M.D. (1930), Oregon.
- Merl L. Margason, M.D.**, Professor Emeritus of Medicine.
A.B. (1920), M.D. (1923), Oregon.
- Merle W. Moore, M.D.**, Associate Professor Emeritus of Medicine.
B.S. (1920), Oregon; M.D. (1924), Jefferson.
- Anthony A. Pearson, Ph.D.**, Professor Emeritus of Anatomy.
B.S. (1928), Furman; M.A. (1930), Ph.D. (1933), Michigan.
- Caroline H. Pommarane, B.S.**, Associate Professor Emerita.
B.S. (1928), Nebraska.
- William H. Sheldon, M.D., Ph.D.**, Professor Emeritus of Medicine.
B.A. (1919), Brown; M.A. (1923), Colorado; Ph.D. (1925), M.D. (1933), Chicago.
- Howard C. Stearns, M.D.**, Professor Emeritus of Obstetrics and Gynecology.
B.S. (1924), M.S. (1925), Oregon State; M.D. (1929), Oregon.
- William J. Swett, M.D.**, Associate Professor Emeritus of Medicine.
B.A. (1928), Reed; M.D. (1932), Oregon.
- E. Merle Taylor, M.D.**, Professor Emeritus of Ophthalmology.
M.D. (1925), Iowa.
- Wilbert R. Todd, Ph.D.**, Professor Emeritus of Biochemistry.
B.S. (1928), Ph.D. (1933), Wisconsin.
- Edward S. West, Ph.D.**, Professor Emeritus of Biochemistry.
A.B. (1917), Randolph-Macon; M.S. (1920), Kansas State; Ph.D. (1923), University of Chicago.
- William M. Wilson, M.D.**, Professor Emeritus of Obstetrics and Gynecology.
B.S. (1920), Whitman; M.D. (1924), Johns Hopkins.

*Faculty**

- †John E. Abbott, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1960), B.S.Med. (1962), South Dakota; M.D. (1964), Oregon.
- †John F. Abele, M.D., Assistant Clinical Professor of Orthopedics (1946).
B.A. (1930), M.D. (1934), Oregon.
- †Stanley Abrams, Ph.D., Lecturer in Medical Psychology (1969).
B.A. (1956), Wilkes; M.A. (1957), Ph.D. (1961), Temple.
- †John C. Adams, M.D., Clinical Professor of Surgery (1932).
B.S. (1922), University of Washington; M.D. (1926), Oregon.
- Joseph J. Adams, B.B.A., Assistant Dean; Professor (1951).
B.B.A. (1949), Gonzaga.
- †John P. Aitchison, Ph.D., Assistant Professor of Clinical Pathology (1969).
B.A. (1957), British Columbia; Ph.D. (1969), California.
- †Bennett Alberts, M.D., Clinical Instructor in Obstetrics and Gynecology (1969).
M.D. (1960), Nebraska.
- †Phillip S. Alberts, M.D., Clinical Instructor in Obstetrics and Gynecology (1964).
B.A. (1953), M.D. (1958), Nebraska.
- Clifford V. Allen, M.D., Professor of Clinical Pathology (Radioisotopes) and Radiology (Therapy); Chairman, Department of Radiation Therapy (1955).
M.D. (1933), Iowa.
- †Lee Allen, M.D., Clinical Instructor in Dermatology (1971).
M.D. (1965), Tennessee.
- †Richard Allen, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1958), Oregon; M.A. (1961), U.C.L.A.; M.D. (1965), New York Medical College.
- †Roger D. Ambrosen, M.D., Clinical Instructor in Family Practice (1972).
B.A. (1952), Iowa; B.S., M.D. (1963), Minnesota.
- Mary J. Amdall, M.S., Instructor in Psychiatry and Pediatrics (1970).
B.S.N. (1968), South Dakota State; M.S. (1970), Maryland.
- †Alan W. Ames, M.D., Clinical Instructor in Medicine (1968).
B.A. (1956), Stanford; M.D. (1960), Yale.
- †Patricia G. Amstadter, M.D., Clinical Instructor in Psychiatry (Child Psychiatry) (1969).
B.A. (1959), Occidental; M.D. (1963), Northwestern.
- Clifford Joe Anderson, M.D., Instructor in Medicine (1972).
B.A. (1966), Hastings; M.D. (1970), Nebraska.
- †Richard P. Anderson, M.D., Associate Professor of Cardiopulmonary Surgery (Veterans Hospital) (1970).
B.S. (1956), M.D. (1959), University of Washington.
- †William F. Anderson, M.D., Clinical Instructor in Dermatology (1970).
B.A. (1956), Pacific Lutheran; M.D. (1960), University of Washington.
- †Richard P. Andrews, M.D., Assistant Clinical Professor of Surgery (1963).
B.S. (1949), Denison; M.D. (1953), Harvard.
- †John Antonovic, M.D., Clinical Instructor in Medicine (1971).
M.D. (1961), Zagreb (Yugoslavia).
- Ruza Antonovic, M.D., Assistant Professor of Radiology (Diagnosis) (1972).
M.D. (1961), Zagreb (Yugoslavia).
- †Richard Arkless, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).
B.A. (1957), Kenyon; M.D. (1962), Pennsylvania.
- †Carl G. Ashley, M.D., Assistant Clinical Professor of Pediatrics (1936).
B.A. (1927), M.D. (1931), Oregon.
- †Dee D. Atkinson, M.D., Clinical Instructor in Family Practice (1972).
B.S. (1960), Oregon State; M.D. (1962), Oregon.
- †David Auld, M.D., Affiliate in Pathology (Veterans Hospital) (1971).
B.A. (1946), Swarthmore; M.D. (1948), Maryland; M.S. (1956), Colorado.
- †Kurt W. Aumann, M.D., Associate Clinical Professor of Medicine (1948).
B.S. (1936), Washington State; M.A. (1940), M.D. (1942), Oregon.
- †William C. Awe, M.D., Associate Clinical Professor of Surgery (1966).
B.S. (1955), M.D. (1958), Baylor.
- S. Gorham Babson, M.D., Professor of Pediatrics (1941).
B.S. (1933), M.D. (1936), Oregon.
- †Benny Lee Bachulis, M.D., Clinical Instructor in Surgery (1968).
B.S. (1956), M.D. (1960), Ohio.
- Robert L. Bacon, Ph.D., Professor of Anatomy (1955).
B.S. (1940), Hamilton; Ph.D. (1944), Yale.
- †Daniel M. Baer, M.D., Associate Clinical Professor of Clinical Pathology (1970).
B.A. (1953), Oberlin; M.D. (1957), New York Medical College.

* The year in parentheses following the title of each faculty member indicates the date of original appointment to the faculty.

† Volunteer.

‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Paul Bailey**, M.D., Clinical Professor of Otolaryngology (1929).
M.D. (1925), Oregon.
- †**Paul F. Bailey**, M.D., Assistant Clinical Professor of Ophthalmology (1958).
B.S. (1951), Oregon State; M.D. (1953), Oregon.
- Richard E. Bailey**, M.D., Associate Professor of Medicine (1961).
B.A. (1951), M.D. (1955), Stanford.
- Michael D. Baird**, M.D., Medical Director and Administrator of Hospitals and Clinics; Professor of Medicine (1961).
B.S. (1954), Reed; M.S., M.D. (1957), Oregon.
- †**Harvey W. Baker**, M.D., Clinical Professor of Surgery (1953).
B.A. (1939), Cornell; M.D. (1943), Columbia.
- †**Russel L. Baker**, M.D., Senior Instructor in Neurology (Good Samaritan Hospital) (1968).
A.B. (1930), M.D. (1934), Oregon.
- †**Joseph W. Ball**, M.D., Clinical Instructor in Psychiatry (1970).
B.S. (1954), Santa Clara; M.D. (1958), Oregon.
- †**Cameron C. Bangs**, M.D., Clinical Instructor in Medicine (1968).
B.S. (1960), Massachusetts; M.D. (1964), Vermont.
- Mary Elizabeth Baptist**, B.A., Assistant Professor of Clinical Pathology (Medical Technology) (1950).
B.A. (1944), Montana.
- Emil J. Bardana, Jr.**, M.D., Assistant Professor of Medicine (1967).
B.S. (1957), Georgetown; M.D., C.M. (1961), McGill.
- †**William A. Bartlett**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1955), M.D. (1958), Colorado.
- †**Murray H. Bartley**, D.M.D., Ph.D., Associate Professor of Dentistry (1970).
D.M.D. (1958), Oregon; Ph.D. (1968), Utah.
- †**David M. Barton**, M.D., Clinical Instructor in Continuing Medical Education (1970).
A.B. (1953), B.S. (1954), M.D. (1956), Illinois.
- †**George S. Barton**, M.D., Instructor in Neurology (Good Samaritan Hospital) (1968).
B.A. (1955), Reed; M.D. (1956), Oregon.
- †**Michael S. Baskin**, M.D., Clinical Instructor in Orthopedics (1967).
M.D. (1961), University of Washington.
- †**John W. Bassett**, M.D., Associate Clinical Professor of Surgery (1954).
B.S. (1943), Arkansas; M.D. (1944), Tulane.
- †**Jack E. Battalia**, M.D., Senior Clinical Instructor in Surgery (1954).
B.A. (1945), Reed; M.D. (1946), Oregon.
- †**Peter J. Batten**, M.D., Associate Clinical Professor of Public Health and Preventive Medicine (1963).
B.S. (1948), College of St. Thomas; M.S. (1950), Wayne State; M.D. (1956), Michigan; M.P.H. (1962), California.
- †**Frank J. Baumeister, Jr.**, M.D., Clinical Instructor in Medicine (1970).
M.D. (1961), Miami.
- †**Samuel T. Beall**, M.D., Associate Clinical Professor of Medicine (1954).
A.B. (1940), Whitman; M.D. (1950), Louisville.
- Rodney K. Beals**, M.D., Professor of Orthopedics (1961).
B.A. (1953), Willamette; M.D. (1956), Oregon.
- Margaret E. Beard**, Ph.D., Assistant Professor of Ophthalmology (1971).
B.A. (1963), Wellesley; M.S. (1965), Michigan; Ph.D. (1967), Einstein.
- †**G. Donald Beardsley**, M.D., Assistant Clinical Professor of Urology (1954).
B.A. (1945), M.D. (1947), Oregon.
- †**Clarissa H. Beatty**, Ph.D., Associate Professor of Biochemistry (Primate Center) (1953).
B.A. (1941), Sarah Lawrence; M.S. (1942), Ph.D. (1945), Columbia.
- †**William S. Beck**, M.D., Assistant Clinical Professor of Medicine (1960).
B.S. (1949), M.D. (1952), Northwestern.
- †**Harry G. Beckwith, Jr.**, M.D., Assistant Clinical Professor of Surgery (1953).
B.A. (1938), Reed; M.D. (1942), Oregon.
- †**Robert H. Bedrossian**, M.D., Senior Clinical Instructor in Ophthalmology (1959).
A.B. (1946), Haverford; M.D. (1947), Temple; M.Sc. (1953), Pennsylvania.
- †**Charles S. Belknap**, M.D., Clinical Instructor in Medicine (1969).
B.A. (1952), Yale; M.D. (1962), Oregon.
- †**Curtis C. Bell**, Ph.D., Assistant Professor of Neurology (Good Samaritan Hospital) (1969).
B.A. (1959), Stanford; Ph.D. (1964), U.C.L.A.
- †**James B. Bell**, M.D., Assistant Clinical Professor of Neurology (1967).
B.A. (1959), Allegheny; M.D. (1963), Cornell.
- †**Mary Bell**, Ph.D., Associate Professor of Experimental Biology and Dermatology (Primate Center) (1964).
A.B. (1958), Brown; Ph.D. (1965), Yale.
- Gerda Benda**, M.D., Assistant Professor of Pediatrics (1971).
M.D. (1962), Tübingen.
- †**James S. Bennett**, D.M.D., Associate Professor of Dentistry (1970).
B.A. (1952), Reed; D.M.D. (1958), M.S. (1961), Oregon.
- †**Thomas T. Bennett**, M.D., Associate Clinical Professor of Psychiatry (1963).
B.S. (1950), M.D. (1952), Oregon.

† Volunteer.

‡ Part-time.

FACULTY

- William M. Bennett, M.D.**, Assistant Professor of Medicine (1970).
B.S. (1960), M.D. (1963), Northwestern.
- John A. Benson, Jr., M.D.**, Professor of Medicine; Head of Division of Gastroenterology (1959).
B.A. (1943), Wesleyan; M.D. (1946), Harvard.
- Ralph C. Benson, M.D.**, Professor of Obstetrics and Gynecology; Chairman of Department (1956).
B.A. (1932), Lehigh; M.D. (1936), Johns Hopkins.
- †**Frederic H. Bentley, M.D.**, Clinical Instructor in Surgery (1953).
B.Sc. (1926), M.B., Ch.B., (1929), M.D. (1946), Manchester (England); F.R.C.S. (1932), Royal College of Surgeons.
- J. Peter Bentley, Ph.D.**, Associate Professor of Biochemistry (1964).
B.Sc. (1952), Royal College of Technology (England); M.S. (1961), Ph.D. (1963), Oregon.
- †**Arthur W. Berg, M.D.**, Associate Clinical Professor of Medicine (1953).
B.A. (1943), M.D. (1945), Oregon.
- †**Richard F. Berg, M.D.**, Assistant Clinical Professor of Orthopedics (1935).
A.B. (1923), M.D. (1926), Oregon.
- †**Lester Bergeron, M.D.**, Clinical Instructor in Otolaryngology (1971).
B.A. (1956), M.D. (1960), Oregon.
- Norman A. Bergman, M.D.**, Professor of Anesthesiology; Chairman of Department (1970).
B.A. (1949), Reed; M.D. (1951), Oregon.
- †**Richard M. Bernard, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1945), California (Berkeley); M.D. (1950), Chicago.
- †**Stanley F. Bergquist, M.D.**, Clinical Instructor in Cardiopulmonary Surgery (1956).
B.S. (Med) (1945), M.D. (1947), Illinois.
- †**John O. Bergstrom, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1960), Willamette; M.D. (1964), Oregon.
- †**Emmanuel M. Bernstein, Jr., Ph.D.**, Lecturer in Medical Psychology (1972).
B.S.E. (1952), Pennsylvania; M.A. (1960), Columbia; Ph.D. (1971), Oregon.
- Margaret E. Berroth, M.D.**, Associate Professor of Clinical Pathology; Assistant Director of Educational Programs, Clinical Pathology (1966).
Abitur (1947), Greifswald Lyceum; M.D. (1954), Heidelberg.
- †**John R. Berry, M.D.**, Clinical Instructor in Pediatrics (1963).
B.A. (1954), M.D. (1957), Stanford.
- †**Robert A. Berselli, M.D.**, Clinical Instructor in Orthopedics (1972).
B.A. (1960), Columbia; M.D. (1964), Georgetown.
- †**Siegfried R. Berthelsdorf, M.D.**, Associate Clinical Professor of Psychiatry (1957).
B.A. (1934), M.A., M.D. (1939), Oregon.
- †**Luis G. Bianchini, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1954), M.D. (1958), Kansas.
- †**Fred W. Bieker, M.D.**, Assistant Clinical Professor of Surgery (1966).
B.S. (1956), M.D. (1958), Illinois.
- †**John C. Bigelow, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1966).
B.A. (1952), Washington State; M.D. (1959), University of Washington.
- Robert H. Bigley, M.D.**, Associate Professor of Medicine (1960).
B.S. (1951), University of Washington; M.D. (1953), Oregon.
- Marcia Kepler Bilbao, M.D.**, Professor of Radiology (Diagnosis) (1961).
B.S. (1952), Minnesota; M.D. (1957), Columbia.
- †**Daniel K. Billmeyer, M.D.**, Clinical Professor of Pediatrics (1956).
B.S. (1943), M.D. (1946), Chicago.
- †**Norman Birndorf, M.D.**, Clinical Instructor in Medicine (1972).
M.D. (1964), Illinois.
- †**John David Bischel, M.D.**, Clinical Instructor in Psychiatry (1969).
B.S. (1960), M.D. (1962), Oregon.
- †**Theodore M. Bischoff, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1948).
B.A. (1937), Reed; M.D. (1939), Oregon.
- Paul H. Blachly, M.D.**, Professor of Psychiatry (1961).
B.A. (1950), Reed; M.S., M.D. (1955), Oregon.
- John A. Black, Ph.D.**, Associate Professor of Biochemistry and Medical Genetics (1968).
B.S. (1961), Ph.D. (1964), University of Glasgow.
- †**Harold Raymond Blair, M.B.**, Assistant Clinical Professor of Pediatrics (1966).
M.B. (1958), Queen's University of Belfast (Ireland).
- Robert W. Blakeley, Ph.D.**, Professor of Speech Pathology in Pediatrics; Professor, Crippled Children's Division (1959).
B.A. (1951), California; M.S. (1952), Oregon; Ph.D. (1958), Michigan.
- †**John A. Blanchard, M.D.**, Senior Clinical Instructor in Medicine (1954).
B.S. (1941), Montana State; M.D. (1950), Oregon.
- Eugene Blank, M.D.**, Associate Professor of Radiology (Diagnosis) and Pediatrics (1970).
B.A. (1948), M.D. (1954), Johns Hopkins.
- †**Roderick C. Blatchford, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1938).
A.B. (1927), Willamette; M.D. (1933), Oregon.

MEDICAL SCHOOL FACULTY

- †**Philip E. Blatt**, M.D., Assistant Clinical Professor of Medicine (1954).
B.S. (1953), Davidson; M.D. (1957), Baylor.
- †**Jack B. Blumberg**, M.D., Senior Clinical Instructor in Surgery (1964).
A.B. (1952), M.D. (1956), Stanford.
- †**Howard I. Bobbitt**, J.D., Clinical Instructor in Public Health and Preventive Medicine (1972).
B.S. (1935), J.D. (1935), Oregon.
- †**Rose Mary Bocek**, Ph.D., Assistant Professor of Biochemistry (Primate Center) (1957).
B.S. (1946), Marylhurst; M.S. (1954), Ph.D. (1964), Oregon.
- †**John R. Boe**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1940), Iowa; M.D. (1956), Kansas.
- †**Henry L. Boehnke**, M.D., Associate Clinical Professor of Pediatrics (1962).
B.S. (1953), M.D. (1955), Oregon.
- †**C. Carter Boggs**, M.D., Clinical Instructor in Psychiatry (1970).
B.S. (1960), M.D. (1965), Oregon.
- †**Orville W. Boicourt**, M.D., Assistant Clinical Professor of Medicine (1965).
B.A. (1952), M.D. (1959), Kansas.
- †**Darrell C. Bollam**, M.D., Senior Clinical Instructor in Surgery (1937).
B.S. (1927), M.D. (1928), Oregon.
- †**Richard N. Bolton**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1961).
B.S. (1951), Willamette; M.D. (1955), Oregon.
- †**Wilbur M. Bolton**, M.D., Assistant Clinical Professor of Otolaryngology (1929).
A.B. (1923), M.D. (1926), Oregon.
- Lawrence I. Bonchek**, M.D., Assistant Professor of Cardiopulmonary Surgery (1971).
A.B. (1959), Yeshiva; M.D. (1963), Einstein.
- †**Douglas R. Bottomly**, M.D., Assistant Clinical Professor of Psychiatry (1968).
B.S. (1953), Carroll; M.D. (1957), St. Louis.
- †**Christ Bouneff**, D.M.D., Assistant Professor of Dentistry (1968).
B.S. (1958), Portland State; B.S. (1962), D.M.D. (1964), Oregon; M.S. (1968), Georgetown.
- Harold Boverman**, M.D., Professor of Psychiatry (Child Psychiatry) and Pediatrics (1968).
A.B. (1959), California; M.D. (1956), Chicago.
- †**Donald B. Bowman**, M.D., Clinical Instructor in Medicine (1964).
B.S. (1952), M.D. (1957), Oregon.
- Robert D. Boyd**, Ph.D., Professor, Crippled Children's Division; Professor of Medical Psychology (1964).
B.A. (1938), Linfield; M.A. (1941), Southern California; M.A. (1947), Ph.D. (1953), Michigan.
- †**Stanley A. Boyd**, M.D., Clinical Instructor in Family Practice (1967).
A.B. (1945), Willamette; M.D. (1949), Oregon.
- †**Allen M. Boyden**, M.D., Clinical Professor of Surgery (1946).
B.A. (1929), Oregon; M.D. (1932), M.S. (1937), Michigan.
- †**Thomas J. Boyden**, M.D., Senior Clinical Instructor in Orthopedics (1953).
B.A. (1944), M.D. (1946), Oregon.
- †**Donald A. Boyle**, M.D., Clinical Instructor in Family Practice (1967).
B.S. (1957), Capital; M.D. (1960), Cincinnati.
- †**John Boyett**, M.D., Assistant Professor of Clinical Pathology (Nuclear Medicine) and Associate Professor of Medicine (Veterans Hospital) (1970).
B.A. (1954), Davidson; M.D. (1958), North Carolina.
- †**George A. Boylston**, M.D., Associate Clinical Professor of Medicine (1946).
B.S. (1936), M.S. (1937), M.D. (1939), Northwestern.
- †**William J. Brady**, M.D., Assistant Clinical Professor of Clinical Pathology and Assistant Professor of Pathology (1965).
B.S. (1953), Santa Clara; M.D. (1958), Oregon.
- †**James L. Bramhall**, M.B., Professor of Clinical Pathology (1962).
M.B., Ch.B., (1951), Victoria University of Manchester Medical School (England).
- †**Gatlin Brandon**, M.P.H., Senior Clinical Instructor in Public Health and Preventive Medicine (1967).
B.S. (1938), Washington State; M.S. (1940), Oregon; M.P.H. (1949), Michigan.
- †**John O. Branford**, M.D., Clinical Instructor in Anesthesiology (1959).
B.A. (1936), Concordia; M.D. (1946), Oregon.
- *Bolek Brant-Zawadzki**, M.D., Instructor in Surgery (1971).
B.A. (1961), Hunter; M.D. (1965), Rochester.
- †**Esmond Braun**, M.D., Clinical Instructor in Surgery (1969).
B.S. (1952), M.D. (1955), Wayne State.
- †**James D. Bray**, M.D., Assistant Clinical Professor of Psychiatry (1966).
B.A. (1954), Washburn; M.D. (1961), Kansas.
- †**Melvin W. Brees**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1948).
B.S. (1936), Oregon State; M.D. (1943), Oregon.
- †**Phillip M. Brenes**, M.D., Clinical Instructor in Pediatrics (1971).
A.B. (1962), San Diego State; M.D. (1966), California.
- †**Joseph P. Brennan**, M.D., Clinical Instructor in Continuing Medical Education (1970).
B.S. (1918), Wisconsin; M.D. (1921), Rush (University of Chicago).

† Volunteer.

‡ Part-time.

* Leave of absence.

FACULTY

†Robert M. Brenner, Ph.D., Associate Professor of Experimental Biology (Primate Center) (1964).

A.B. (1950), A.M. (1951), Ph.D. (1955), Boston.

†Malcolm I. Brewer, M.D., Senior Clinical Instructor in Ophthalmology (1970).

B.A. (1960), Colorado; M.D. (1964), St. Louis.

Gwynn C. Brice, Administrative Director, Central Services, Hospitals and Clinics; Associate Professor (1946).

†Larry T. Brice, M.D., Clinical Instructor in Medicine (1969).

B.A. (1959), M.D. (1964), Oregon.

†Donald M. Brinton, M.D., Clinical Instructor in Anesthesiology (1959).

B.A. (1945), M.D. (1947), Oregon.

John David Bristow, M.D., Dr. Laurence Selling Professor of Medicine; Chairman of Department (1960).

B.A. (1949), Willamette; M.D. (1953), Oregon.

†Michael T. H. Brodeur, M.D., Assistant Clinical Professor of Medicine (1965).

B.A. (1952), M.D., C.M. (1956), McGill.

†Rosemary E. Brodie, M.D., Assistant Clinical Professor of Neurology (1968).

B.A. (1948), Reed; M.D. (1952), Northwestern.

†William K. Brokken, M.D., Clinical Instructor in Dermatology (1972).

B.A. (1960), Luther; B.S., M.D. (1965), Minnesota.

John M. Brookhart, Ph.D., Professor of Physiology; Chairman of Department (1949).

B.S. (1935), M.S. (1936), Ph.D. (1939), Michigan.

†James A. Brooks, M.D., Clinical Instructor in Pediatrics (1970).

B.S. (1959), M.D. (1963), Oregon.

Robert E. Brooks, Ph.D., Associate Professor of Pathology (1961).

B.S. (1948), California; Ph.D. (1967), Oregon.

J. Albert Browder, M.D., Associate Professor, Crippled Children's Division; Associate Professor of Pediatrics (1971).

B.A. (1951), Texas; M.D. (1955), University of Texas Medical School.

†Charles C. Brown, M.D., Clinical Instructor in Psychiatry (1965).

B.S. (1954), Gonzaga; M.D. (1958), Jefferson.

†David J. Brown, M.D., Clinical Instructor in Clinical Pathology (1963).

B.A. (1952), M.D. (1956), Oregon.

Judson S. Brown, Ph.D., Professor of Medical Psychology (1972).

A.B. (1932), Redlands; M.D. (1937), U.C.L.A.; Ph.D. (1940), Yale.

†Paul M. Brown, M.D., Senior Clinical Instructor in Surgery (1961).

B.S. (1945), Oregon; M.D. (1949), Harvard; M.S. (1960), Minnesota.

† Volunteer.

† Part-time.

†Robert J. Bruckner, D.D.S., Professor of Dentistry (1960).

D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.

Robert E. Brummett, Ph.D., Associate Professor of Otolaryngology and Assistant Professor of Pharmacology (1964).

B.S. (1959), M.S. (1960), Oregon State; Ph.D. (1964), Oregon.

George Colin Buchan, M.D., Professor of Pathology; Head of Division of Neuropathology (1965).

M.D. (1958), McGill.

†Melissa L. Buchan, M.D., Clinical Instructor in Medicine (1966).

A.B. (1957), Radcliffe; M.D. (1961), Pennsylvania.

†William Buchanan, D.D.S., Assistant Professor of Dentistry (1971).

B.A. (1966), Westminster; D.D.S. (1970), Baylor.

†McKenzie W. Buck, Ph.D., Assistant Professor of Otolaryngology, Speech Pathology (Portland Center for Hearing and Speech) (1966).

B.A. (1946), Denver; M.A. (1948), Ph.D. (1951), Iowa.

†A. Sonia Buist, M.B., Ch.B., Clinical Instructor in Medicine (1971).

M.B., Ch.B., (1964), St. Andrews (Scotland).

Neil R. M. Buist, M.B., Ch.B., Associate Professor of Pediatrics and Medical Genetics (1966).

M.B., Ch.B., (1956), St. Andrews (Scotland).

†Lawrence Buonocore, M.D., Clinical Instructor in Family Practice (1972).

B.S. (1932), New York University; M.D. (1935), New York Medical College.

†Denis R. Burger, Ph.D., Assistant Professor of Microbiology (Veterans Hospital) (1969).

B.A. (1965), California (Berkeley); M.S. (1968), Ph.D. (1969), Arizona.

†Paul R. Burgner, M.D., Clinical Professor of Medicine (1956).

B.S. (1948), M.D. (1952), Oregon.

Robert P. Burns, M.D., Professor of Ophthalmology (1959).

B.S. (1945), Portland; M.D. (1947), Oregon.

†William Y. Burton, M.D., Clinical Professor of Radiology (Diagnosis) (1940).

A.B. (1931), B.S. (1933), Missouri; M.D. (1936), Washington University.

†John W. Bussman, M.D., Clinical Professor of Pediatrics (1954).

B.S. (1946), M.B. (1947), M.D. (1948), Minnesota.

†John L. Butler, M.D., Associate Clinical Professor of Psychiatry (1958).

B.S. (1942), Idaho; M.D. (1946), Johns Hopkins.

†Mark A. Butzer, M.D., Clinical Instructor in Pediatrics (1972).

B.S. (1952), North Dakota State; M.D. (1961), Marquette.

MEDICAL SCHOOL FACULTY

- †**June Byers, M.D.**, Clinical Instructor in Family Practice and Continuing Medical Education (1971).
B.A. (1944), Vassar; M.D. (1948), Temple.
- †**Malcolm S. Byers, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1944), M.D. (1947), Nebraska.
- John R. Campbell, M.D.**, Professor of Pediatric Surgery; Head of Division (1967).
B.A. (1954), M.D. (1958), Kansas.
- †**Mary C. Campbell, B.A.**, Clinical Instructor in Clinical Pathology (Medical Technology) (1968).
B.A. (1944), Vassar.
- †**Nathan J. Campbell, M.D.**, Assistant Clinical Professor of Surgery (1950).
M.D. (1949), Temple.
- †**Paul Campbell, M.D.**, Assistant Clinical Professor of Orthopedics (1956).
B.A. (1945), M.D. (1949), Stanford; M.S. (1955), Michigan.
- ***Robert A. Campbell, M.D.**, Professor of Pediatrics (1961).
B.A. (1954), M.D. (1958), California.
- †**Timothy J. Campbell, M.D.**, Assistant Clinical Professor of Pediatric Surgery (1971).
B.A. (1960), Willamette; M.D. (1964), Oregon.
- †**W. Leigh Campbell, M.D.**, Assistant Clinical Professor of Ophthalmology (1962).
B.S. (1952), M.D. (1955), Oregon.
- †**Steven J. Carlisle, M.D.**, Clinical Instructor in Psychiatry (1972).
B.S. (1954), Montana State; M.D. (1959), Northwestern.
- ****Leroy O. Carlson, M.D.**, Professor of Pediatrics; Professor, Crippled Children's Division (1961).
B.S. (1940), University of Washington; M.D. (1942), Michigan.
- †**Gordon A. Caron, M.B.**, Assistant Clinical Professor of Dermatology (1967).
B.A. (1953), M.A. (1956), Cambridge; M.B. (1956), University College Hospital School (London).
- C. Conrad Carter, M.D.**, Professor of Neurology (1956).
B.A. (1946), Reed; M.D. (1948), Oregon.
- Laurel Case, M.D.**, Associate Professor of Family Practice; Head of Division (1969).
M.D. (1949), Kansas.
- †**Raymond A. Case, Jr., M.D.**, Assistant Clinical Professor of Orthopedics (1959).
M.D. (1947), Hahnemann.
- †**Alberto Castro, Ph.D.**, Assistant Professor of Pediatrics (1970).
B.S. (1958), Houston; M.T. (1958), Baylor; Ph.D. (1962), El Salvador.
- †**Charles E. Catlow, Jr., M.D.**, Clinical Instructor in Urology (1949).
B.S. (1943), Portland; M.D. (1944), Oregon.
- †**Richard E. Cavalli, M.D.**, Assistant Clinical Professor of Pediatrics (1968).
B.S. (1957), Portland; M.D. (1961), Oregon.
- Patricia A. Chadwick, B.S.**, Instructor in Clinical Pathology (Medical Technology) (1966).
B.S. (1950), Massachusetts.
- †**George E. Chamberlain, M.D.**, Clinical Professor of Otolaryngology (1947).
B.A. (1936), M.D. (1938), Oregon.
- †**Charles K. Chapman, M.D.**, Clinical Instructor in Family Practice (1966).
B.S. (1952), Oregon College of Education; M.D. (1964), Oregon.
- †**Richard D. Chapman, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1971).
B.A. (1957), Carleton; M.D. (1961), Cornell.
- †**Allan K. Chappell, M.D.**, Associate Clinical Professor of Pediatrics (1964).
B.S. (1948), M.D. (1951), Oregon.
- Katherine H. Chavigny, M.S.**, Assistant Professor of Public Health and Preventive Medicine (1972).
B.S. (1969), M.S. (1971), Oregon.
- †**Howard L. Cherry, M.D.**, Senior Clinical Instructor in Orthopedics (1950).
M.D. (1943), Oregon.
- †**Clarence L. Chester, M.D.**, Affiliate in Pathology (1962).
B.S. (1937), M.D. (1940), Vermont.
- †**John B. Chester, Jr., M.D.**, Clinical Instructor in Orthopedics (1969).
B.A. (1952), Austin; M.D. (1957), Texas (Dallas).
- †**Jack L. Chitty, M.D.**, Clinical Instructor in Medicine (1966).
B.S. (1955), Bradley; M.D. (1959), Illinois.
- †**Oscar C. Chowning, Jr., M.D.**, Clinical Instructor in Otolaryngology (1963).
B.A. (1953), M.D. (1956), Kansas.
- Leonard Christensen, M.D.**, Professor of Ophthalmology (1950).
B.A. (1937), Oregon State; M.D. (1941), M.S. (1949), Oregon.
- †**Eldon G. Chuinard, M.D.**, Clinical Professor of Orthopedics (1938).
B.A. (1926), Puget Sound; M.D. (1934), Oregon.
- †**McGregor L. Church, M.D.**, Senior Clinical Instructor in Orthopedics (1966).
A.B. (1951), Stanford; M.D. (1956), Oregon.
- †**Phyllis B. Church, M.D.**, Clinical Instructor in Medicine (1971).
B.A. (1943), Reed; M.D. (1967), Oregon.

* Leave of absence August 1, 1972 to December 1, 1972.

** Leave of absence April 1, 1972 to December 1, 1972.

† Volunteer.

‡ Part-time.

FACULTY

- †**Calvin C. Clark, M.D.**, Assistant Clinical Professor of Pediatrics (1968).
B.A. (1959), University of Washington; M.D. (1963), Tufts.
- William M. Clark, Jr., M.D.**, Professor of Pediatrics; Associate Medical Director, Hospitals and Clinics (1954).
B.A. (1946), Baker; M.D. (1949), Chicago.
- †**Winfred H. Clarke, M.D.**, Clinical Instructor in Orthopedics (1957).
B.S., M.B., M.D. (1941), Minnesota.
- †**C. Keith Claycomb, Ph.D.**, Affiliate in Biochemistry (Biochemistry, Dental School) (1971).
B.S. (1954), Wittenberg; Ph.D. (1962), Ohio State.
- †**Donald L. Cleland, M.D.**, Associate Clinical Professor of Surgery (1966).
B.A. (1954), Stanford; M.S., M.D. (1958), Oregon.
- †**John E. Cleland, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1966).
B.A. (1952), M.D. (1957), Oregon.
- A. J. Clemons**, Director of Facilities Planning; Professor (1950).
- †**Keith M. Clisby, M.D.**, Clinical Instructor in Surgery (1947).
B.S. (1929), Oregon State; M.D. (1934), Oregon.
- †**Quinten W. Cochran, M.D.**, Clinical Professor of Pediatrics (1960).
B.A. (1940), Reed; M.D. (1943), Oregon.
- †**Terence H. Cochran, M.D.**, Affiliate in Pathology (1960).
B.S. (1939), Oregon State; M.D. (1941), Oregon.
- †**Robert M. Cockburn, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1950), M.S., M.D. (1955), Oregon.
- †**Lawrence J. Cohen, M.D.**, Senior Clinical Instructor in Orthopedics (1950).
B.S. (1930), M.D. (1934), Maryland.
- †**William Cohen, M.D.**, Senior Clinical Instructor in Medicine (1946).
B.A. (1931), Reed; M.D. (1935), Oregon.
- †**Edward M. Colbach, M.D.**, Assistant Clinical Professor of Psychiatry (1970).
B.S. (1962), Loyola; M.D. (1964), Northwestern.
- ***Ralph O. Coleman, Jr., Ph.D.**, Associate Professor of Speech Pathology, Crippled Children's Division (1966).
B.S. (1954), Oregon State; M.S. (1960), Oregon; Ph.D. (1963), Northwestern.
- †**Emerson J. Collier, M.D.**, Assistant Clinical Professor of Urology (1956).
B.S. (1941), Alaska; M.D. (1944), Oregon.
- Richard E. Collins, M.S.W.**, Assistant Professor of Psychiatry (Psychiatric Social Work) (1969).
B.S. (1960), Oregon; M.S.W. (1962), University of Washington.
- †**Hugh Donald Colver, M.D.**, Senior Clinical Instructor in Surgery (1950).
B.A. (1940), College of Idaho; M.D. (1943), Oregon.
- †**Fred G. Colwell, M.D.**, Clinical Instructor in Pediatrics (1972).
B.S. (1951), M.D. (1955), Cincinnati.
- Reid S. Connell, Jr., Ph.D.**, Associate Professor of Anatomy and Assistant Professor of Neurology (1966).
B.S. (1959), M.S. (1962), Oregon State Ph.D. (1967), Oregon.
- †**Paul Contorer, M.D.**, Clinical Instructor in Dermatology (1971).
B.A. (1956), M.D. (1960), Northwestern.
- David M. Cook, M.D.**, Assistant Professor of Medicine (1971).
B.S. (1959), Notre Dame; M.D. (1963), St. Louis.
- †**Ronald H. Copeland, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1959), M.D. (1963), Colorado.
- †**Jack Copperman, M.D.**, Clinical Instructor in Anesthesiology (1971).
B.A. (1961), M.D. (1965), University of Florida.
- Jan E. Cordell**, Lecturer in Pathology (1971).
- †**Gilbert M. Cordova, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1971).
B.A. (1960), M.D. (1964), Kansas.
- †**Raymond S. Corwin, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1957), M.S. (1960), Michigan State; M.D. (1963), Bowman Gray.
- †**George W. Cottrell, M.D.**, Senior Clinical Instructor in Orthopedics (1949).
B.A. (1937), Oregon State; M.D. (1939), Oregon.
- †**Robert C. Cowger, M.D.**, Assistant Clinical Professor of Ophthalmology (1959).
M.D. (1944), Nebraska.
- †**Eric W. S. Craig, M.D.**, Clinical Instructor in Medicine (1969).
B.S. (1957), Oregon State; M.D. (1964), Oregon.
- †**Lyall Crary, M.D.**, Clinical Instructor in Urology (1970).
M.D. (1959), Yale.
- †**Howard R. Creamer, Ph.D.**, Affiliate in Microbiology (Microbiology, Dental School) (1971).
B.Sc. (1954), Ph.D. (1967), Ohio State.
- †**William E. Creighton, D.D.S.**, Clinical Instructor in Public Health and Preventive Medicine (1967).
D.D.S. (1957), Creighton; M.P.H. (1960), North Carolina.
- †**Rodney L. Crislip, M.D.**, Assistant Clinical Professor of Medicine (1963).
B.A. (1953), Lehigh; M.D. (1957), Western Reserve.

* Leave of absence March 1, 1973 to December 31, 1973.

† Volunteer.

MEDICAL SCHOOL FACULTY

- †**Robert V. Crist, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1958), M.D. (1961), Indiana.
- B. Vaughn Critchlow, Ph.D.**, Professor of Anatomy; Chairman of Department (1972).
A.A. (1949), Glendale; B.A. (1951), Occidental; Ph.D. (1957), California (Los Angeles).
- †**Leland L. Cross, M.D.**, Assistant Clinical Professor of Neurology (Rehabilitation) (1967).
B.S. (1948), Illinois; M.D. (1952), Northwestern; M.P.H. (1965), U.C.L.A.
- †**Frank W. Crowe, M.D.**, Associate Clinical Professor of Dermatology (1957).
B.S. (1941), Idaho; M.D. (1949), Utah.
- Lillian T. Cunningham, M.P.H.**, Assistant Professor, Crippled Children's Division (1968).
B.S. (1964), Tuskegee; M.P.H. (1966), California.
- †**John M. Currie, M.D.**, Assistant Clinical Professor of Dermatology (1970).
B.S. (1959), Northeastern (Oklahoma); M.D. (1963), Oklahoma.
- †**Ralph Garr Cutler, M.D.**, Senior Clinical Instructor in Surgery (1968).
B.S. (1953), M.D. (1960), Utah.
- †**Joyle Dahl, M.D.**, Associate Clinical Professor of Dermatology (1932).
B.A. (1926), M.D. (1930), Oregon.
- †**James E. Dahlman, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).
B.A. (1957), Albion; M.D. (1961), Michigan.
- †**Dorin S. Daniels, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1950), Wisconsin; M.D. (1956), Chicago.
- †**Marvin L. Darsie, Jr., M.D., Ph.D.**, Assistant Professor of Anesthesiology (Veterans Hospital) (1968).
B.A. (1934), U.C.L.A.; Ph.D. (1939), Stanford; M.D. (1947), Southern California.
- †**Robert I. Daugherty, M.D.**, Associate Clinical Professor of Psychiatry and Clinical Instructor in Family Practice (1965).
B.S. (1951), M.D. (1953), Oregon.
- †**Doyle G. Daves, Ph.D.**, Affiliate in Biochemistry (1972).
B.S. (1959), Arizona State; Ph.D. (1964), Massachusetts Institute of Technology.
- †**Edward W. Davis, M.D.**, Associate Clinical Professor of Neurosurgery (1958).
A.B. (1935), M.D. (1939), California.
- †**Harold E. Davis, M.D.**, Associate Clinical Professor of Orthopedics (1946).
B.A. (1936), M.D. (1940), Oregon.
- Howard W. Davis, Ph.D.**, Associate Professor of Anatomy (1966).
B.S. (1956), M.S. (1959), Ph.D. (1969), Oregon.
- †**Joe B. Davis, M.D.**, Clinical Professor of Orthopedics (1941).
B.A. (1930), Willamette; M.D. (1934), Oregon.
- Peter J. Dawson, M.D.**, Professor of Pathology (Surgical Pathology) (Cytology) (1964).
B.A. (1949), M.B., B.Chir. (1952), M.A. (1953), Cambridge; D.C.P. (1955), London; M.D. (1960), Cambridge.
- †**Enrique M. deCastro, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1961).
B.S. (1951), Loyola; M.D. (1957), Universidad Nacional Autonoma de Mexico
- †**John M. Deeney, M.D.**, Assistant Clinical Professor of Psychiatry (1969).
A.B. (1956), Stanford; M.D. (1960), Oregon.
- †**Richard L. DeKlotz, M.D.**, Clinical Instructor in Pediatrics (1971).
B.S. (1964), University of Portland; M.D. (1966), Creighton.
- †**Conrad A. DeLateur, M.D.**, Clinical Instructor in Dermatology (1961).
B.S. (1936), Oregon State; M.D. (1940), Oregon.
- F. John de Maria, M.D.**, Associate Professor of Obstetrics and Gynecology (1966).
M.D. (1952), Malta.
- D. Duane Denney, M.D.**, Associate Professor of Psychiatry (1962).
B.A. (1953), Willamette; M.S., M.D. (1957), Oregon.
- †**Daniel L. Dennis, M.D.**, Associate Clinical Professor of Surgery (1965).
B.S. (1956), M.S., M.D. (1958), Oregon.
- †**John P. Dennis, M.D.**, Clinical Instructor in Neurosurgery (1959).
B.S. (1949), Oregon State; M.D. (1951), Oregon.
- David D. DeWeese, M.D.**, Professor of Otolaryngology; Chairman of Department (1944).
A.B. (1934), M.D. (1938), Michigan.
- †**Peter DeWitt, M.D.**, Clinical Instructor in Family Practice (1955).
B.A. (1939), Union; M.D. (1943), Cornell.
- †**Howard R. Dewey, Ph.D.**, Assistant Professor of Neurology (Good Samaritan Hospital) (1968).
B.A. (1949), Lewis and Clark; M.S.W. (1954), University of Washington; Ph.D. (1959), Denver.
- †**Arch W. Diack, M.D.**, Senior Clinical Instructor in Surgery (1937).
A.B. (1929), Dartmouth; M.D. (1933), Michigan.
- †**H. Lenox H. Dick, M.D.**, Clinical Instructor in Neurology (1950).
A.B. (1941), Pennsylvania; M.D. (1944), Jefferson.
- †**Herman A. Dickel, M.D.**, Clinical Professor of Psychiatry (1942).
B.A. (1933), Montana State; M.B. (1937), M.D. (1938), Northwestern.

† Volunteer.
‡ Part-time.

FACULTY

- †**Hugh E. Dierker, M.D.**, Assistant Clinical Professor of Public Health and Preventive Medicine (1971).
B.S. (1935), M.D. (1937), Creighton.
- †**Harry B. Ditmore, M.D.**, Senior Clinical Instructor in Pediatric Surgery (1964).
M.D. (1953), Harvard.
- Jeri L. Dobbs, B.S.**, Instructor in Cardiopulmonary Surgery (1968).
B.S. (1964), Pacific University.
- †**Richard B. Dobrow, M.D.**, Assistant Clinical Professor of Medicine (1969).
A.B. (1958), M.D. (1962), Harvard.
- †**Donald P. Dobson, M.D.**, Clinical Instructor in Anesthesiology (1957).
M.D. (1950), Boston University.
- Wilson C. Dockery, B.S.**, Student Activities Building Director; Assistant Professor (1960).
B.S. (1937), Oregon State.
- †**John H. Donnelly, M.D.**, Assistant Clinical Professor of Public Health and Preventive Medicine (1966).
S.B. (1942), M.D. (1946), Chicago; M.P.H. (1958), California.
- Charles T. Dotter, M.D.**, Professor of Radiology (Diagnosis); Chairman of Department (1952).
B.A. (1941), Duke; M.D. (1944), Cornell.
- †**Gordon L. Doty, M.D.**, Assistant Clinical Professor of Medicine (1967).
B.S. (1952), Michigan State; M.D. (1956), Wayne State.
- †**Robert Preston Doughton, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).
B.A. (1957), M.D. (1959), Oregon.
- †**Darrel D. Douglas, B.S.**, Assistant Clinical Professor of Environmental Medicine (1965).
B.S. (1954), University of Washington.
- †**Robert S. Dow, M.D., Ph.D., D.Sc.**, Professor of Neurology (Good Samaritan Hospital) (1939).
B.S. (1929), Linfield; M.A. (1934), M.D. (1934), Ph.D. (1935), Oregon; D.Sc. (1963), Linfield.
- Hall Downes, M.D., Ph.D.**, Assistant Professor of Pharmacology (1969).
B.A. (1955), M.D. (1959), Harvard; Ph.D. (1969), Utah.
- †**Richard F. Drake, M.D.**, Clinical Instructor in Medicine (1965).
B.A. (1955), Willamette; M.D. (1959), Oregon.
- †**William E. Drips, Jr., M.D.**, Clinical Instructor in Medicine (1964).
B.S. (1956), M.D. (1958), Oregon.
- Hilda E. Drum, Professor of Radiologic Technology** (1954).
- †**Elmore Duncan, M.D.**, Clinical Instructor in Psychiatry (1971).
B.A. (1954), Pacific Lutheran; M.D. (1958), University of Washington.
- †**William C. Duncan, M.D.**, Clinical Instructor in Surgery (1971).
A.B. (1958), Princeton; M.D. (1962), Columbia.
- Raphael B. Durfee, M.D.**, Professor of Obstetrics and Gynecology (1957).
B.A. (1939), M.D. (1944), Stanford.
- †**Harold P. Dygert, Jr., M.D.**, Clinical Instructor in Medicine (1956).
B.A. (1941), Rochester; M.D. (1950), Syracuse.
- †**G. Gray Eaton, Ph.D.**, Assistant Professor of Medical Psychology (Primate Center) (1971).
B.A. (1964), Victoria; Ph.D. (1970), California (Berkeley).
- †**Arthur L. Eckhardt, M.D.**, Clinical Instructor in Orthopedics (1966).
B.A. (1951), Stanford; M.D. (1957), Oregon.
- †**Zanley C. Edelson, M.D.**, Clinical Instructor in Surgery (1948).
B.A. (1935), Oregon State; M.D. (1938), Oregon.
- Miles J. Edwards, M.D.**, Professor of Medicine; Head of Division of Chest Diseases (1964).
B.A. (1951), Willamette; M.S., M.D. (1956), Oregon.
- †**Thomas A. Edwards, M.D.**, Clinical Instructor in Orthopedics (1963).
B.A. (1950), Williams; M.D. (1954), Cornell.
- Arthur Egol, D.M.D.**, Instructor, Crippled Children's Division (1972).
B.A. (1966), Queens; D.M.D. (1968), Tufts.
- Larry Eidemiller, M.D.**, Assistant Professor of Surgery (1972).
B.S. (1962), College of Idaho; M.D. (1966), Oregon.
- †**Anton F. Eilers, M.D.**, Clinical Instructor in Orthopedics (1971).
B.S. (1960), Wyoming; M.D. (1965), Cornell.
- †**Lester H. Eisendorf, M.D.**, Clinical Instructor in Surgery (1950).
B.S. (1935), M.D. (1938), Illinois.
- Jerry O. Elder, M.A.**, Assistant Professor and Business Manager, Crippled Children's Division (1969).
B.A. (1961), Michigan State; M.A. (1965), Iowa.
- †**Morton G. Eleff, M.D.**, Associate Clinical Professor of Pediatrics (1962).
B.S. (1950), M.D. (1955), Western Reserve.
- †**John H. Ellison, M.D.**, Clinical Instructor in Medicine (1965).
B.S. (1956), Oregon State; M.D. (1959), Oregon.
- †**Roy J. Ellsworth, M.D.**, Clinical Instructor in Ophthalmology (1970).
B.A. (1953), M.D. (1957), Oregon.
- †**Richard P. Embick, M.D.**, Clinical Instructor in Orthopedics (1962).
B.A. (1942), M.D. (1943), Wisconsin.

† Volunteer.
‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Lee E. Emery, Jr.**, D.M.D., Assistant Professor of Dentistry (1969).
D.M.D. (1963), Oregon.
- †**Joseph L. Emmerich**, M.D., Assistant Clinical Professor of Pediatrics (1966).
B.S. (1957), M.D. (1959), Illinois.
- †**John L. Emmett**, M.D., Associate Clinical Professor of Urology (1971).
A.B. (1926), Utah; M.D. (1930), Northwestern; M.S. (1934), Minnesota.
- †**Walter R. Enders**, M.D., Assistant Clinical Professor of Ophthalmology (1970).
B.A. (1945), M.D. (1947), Oregon.
- Rudolf C. H. Engel**, M.D., Professor of Pediatrics (1952).
M.D. (1929), University of Bonn (Germany); M.S., M.D. (1949), Minnesota.
- Peter A. Erbguth**, M.D., Senior Instructor in Anesthesiology (1970).
M.D. (1964), Würzburg.
- †**Wayne G. Ericksen**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1950).
B.A. (1944), Stanford; M.D. (1946), Oregon.
- *†**Eldon L. Erickson**, M.D., Clinical Instructor in Medicine (1966).
B.A. (1957), Willamette; M.D. (1960), Oregon.
- LeRoy F. Erickson**, D.V.M., Veterinarian, Department of Animal Care; Assistant Professor (1962).
B.S. (1956), Lewis; B.S. (Vet. Med.) (1958), D.V.M. (1960), Illinois.
- †**Joseph H. Eusterman**, M.D., Clinical Instructor in Medicine (1968).
B.A. (1952), B.S., M.D. (1957), Minnesota; M.S. (1962), Mayo.
- †**William B. Evans**, M.D., Clinical Instructor in Medicine (1966).
B.S. (1956), Long Island; M.D. (1961), Virginia.
- Edwin C. Everts**, M.D., Assistant Professor of Otolaryngology (1970).
B.A. (1958), Willamette; M.D. (1962), Oregon.
- J. Job Faber**, Ph.D., Associate Professor of Physiology (1966).
M.B. (1960), Amsterdam; Ph.D. (1963), Western Ontario.
- †**Charles A. Fagan**, M.D., Senior Clinical Instructor in Orthopedics (1960).
B.A. (1951), Reed; M.D. (1955), Oregon.
- †**Philip John Fagan**, M.D., Associate Professor of Orthopedics (Veterans Hospital) (1970).
M.D. (1942), Creighton.
- †**Thomas E. Fagan**, M.D., Clinical Instructor in Orthopedics (1969).
B.A. (1957), St. Mary's (California); M.D. (1961), Oregon.
- †**Wolf H. Fahrenbach**, Ph.D., Associate Professor of Experimental Biology (Primate Center) (1963).
B.A. (1954), California; Ph.D. (1961), University of Washington.
- †**William F. Farr**, M.D., Clinical Instructor in Ophthalmology (1968).
B.S. (1956), Willamette; M.D. (1960), Oregon.
- †**Stephen A. Fausti**, Ph.D., Assistant Professor, Crippled Children's Division (Veterans Hospital) (1971).
B.A. (1965), Washington State; M.A. (1966), San Francisco State; Ph.D. (1971), University of Washington.
- Warren H. Fay**, Ph.D., Associate Professor of Speech Pathology, Pediatrics (1962).
B.A. (1951), Colorado State; M.Ed. (1959), Oregon; Ph.D. (1963), Purdue.
- †**Clifford L. Fearl**, M.D., Clinical Professor of Obstetrics and Gynecology (1940).
B.A. (1930), Montana State University; M.D. (1935), Kansas.
- M. Lynette Feeney**, Ph.D., Assistant Professor of Ophthalmology (1970).
A.B. (1953), Mt. St. Joseph; M.A. (1964), Ph.D. (1968), University of California (San Francisco).
- ***Jack H. Fellman**, Ph.D., Professor of Biochemistry (1955).
B.A. (1948), M.A. (1952), Ph.D. (1954), Kansas.
- †**James W. Fergus**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1963).
B.S. (1954), M.D. (1957), Nebraska.
- †**Charles Ferguson**, M.D., Clinical Professor of Urology (1961).
B.A. (1919), College of Idaho; M.A., M.D. (1922), Oregon.
- Peggy Copple Ferry**, M.D., Associate Professor of Pediatrics and Assistant Professor, Neurology (1966).
B.S. (1956), M.D. (1959), Oregon.
- Ruby Fields**, M.S., Instructor, Crippled Children's Division (1969).
B.A. (1948), Western State (Colorado); M.S. (1969), Portland State.
- †**Ronald A. Findlay**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1950), Reed; M.D. (1952), Oregon.
- †**Leon J. Fine**, Ph.D., Associate Clinical Professor of Psychiatry (Group Processes) (1966).
B.A. (1952), Ph.D. (1967), Washington University.
- †**Hans F. Fink**, M.D., Associate Clinical Professor of Psychiatry (1963).
M.D. (1945), Friedrich Wilhelms, University of Berlin.
- Dallas G. Finnell**, B.S., Director of Development; Assistant Professor (1969).
B.S. (1954), Lewis and Clark.
- †**Robert E. Fischer**, M.D., Assistant Clinical Professor of Ophthalmology (1952).
B.A. (1944), Oregon State; M.D. (1946), Oregon.

* Leave of absence.

† Volunteer.

‡ Part-time.

* Leave of absence July 1, 1972 to June 30, 1973.

FACULTY

- †William A. Fisher, M.D., Assistant Clinical Professor of Family Practice (1970).
B.S. (1948), M.D. (1949), Oregon.
- †H. Freeman Fitch, M.D., Assistant Clinical Professor of Orthopedics (1958).
B.A. (1946), M.A. (1947), British Columbia; M.D. (1951), Oregon.
- Robert D. Fitzgerald, Ph.D., Professor of Medical Psychology (1962).
B.A. (1958), M.A. (1959), South Dakota; Ph.D. (1962), Indiana.
- †Latham Flanagan, M.D., Senior Clinical Instructor in Surgery (1968).
M.D. (1961), Duke.
- †John R. Flanery, M.D., Associate Clinical Professor of Medicine (1956).
B.S. (1948), M.D. (1952), Oregon.
- †John T. Flaxel, M.D., Clinical Instructor in Ophthalmology (1969).
B.A. (1958), M.D., M.S. (1963), Oregon.
- †David G. Fleetwood, D.D.S., Assistant Professor of Dentistry (1967).
D.D.S. (1959), Northwestern.
- †J. Kenneth Flesman, M.D., Clinical Instructor in Pediatrics (1967).
M.D. (1958), Southern California.
- William S. Fletcher, M.D., Professor of Surgery (1960).
A.B. (1952), Dartmouth; M.D. (1955), Harvard.
- †Lynd L. Folts, M.D., Clinical Instructor in Pediatrics (1961).
B.S. (1937), University of Washington; M.D. (1943), Oregon.
- †Peter S. Ford, M.D., Clinical Instructor in Family Practice (1971).
B.Sc. (1945), Pacific University; M.D. (1951), Oregon.
- †Max A. Forse, M.D., Assistant Professor of Medicine (Veterans Hospital) (1964).
B.S. (1930), M.S., M.D. (1934), Würzburg (Germany).
- †Donald E. Forster, M.D., Assistant Clinical Professor of Medicine (1939).
A.B. (1931), Colgate; M.D. (1935), Harvard.
- †Donald W. Fortlage, M.D., Assistant Clinical Professor of Pediatrics (1969).
A.B. (1959), California; M.D. (1963), Southern California.
- †Byron L. Fortsch, M.D., Clinical Instructor in Otolaryngology (1961).
B.A. (1953), Willamette; M.D. (1957), Oregon.
- †Paul D. Foster, M.D., Assistant Clinical Professor of Surgery (1967).
B.A. (1955), M.D. (1958), Iowa.
- †Everill W. Fowlks, M.D., Associate Professor of Physical Medicine and Rehabilitation (Veterans Hospital) (1966).
B.A. (1925), Utah; M.D. (1935), Colorado.
- Kaye E. Fox, Ph.D., Associate Professor of Pharmacology (1964).
B.S. (1954), Michigan; Ph.D. (1964), Stanford.
- †Thomas J. Fox, M.D., J.D., Associate Clinical Professor of Public Health and Preventive Medicine (1950).
B.S. (1937), Portland; M.D. (1941), Oregon; M.S. (1950), Tulane; J.D. (1967), Northwestern School of Law.
- †Donald P. Francis, M.D., Clinical Instructor in Pediatrics (1972).
M.D. (1968), Northwestern.
- †Alan Frankel, Ph.D., Clinical Instructor in Psychiatry (Psychology) (1970).
A.B. (1954), Brooklyn; Ph.D. (1964), Texas.
- †Herman M. Frankel, M.D., Clinical Instructor in Pediatrics (1968).
A.B. (1958), M.D. (1962), Columbia.
- †Richard W. Franklin, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1955).
B.S. (1945), M.D. (1948), Oregon.
- Clifford A. Fratzke, M.D., Instructor in Medicine (1963).
M.D. (1931), Iowa.
- †Stanton L. Freidberg, M.D., Assistant Clinical Professor of Medicine (1966).
B.S. (1956), Illinois; M.D. (1960), Western Reserve.
- †Leo J. Freiermuth, M.D., Senior Clinical Instructor in Medicine (1961).
B.S. (1950), Idaho; M.D. (1954), Washington University.
- †Kathrine S. French, Ph.D., Assistant Professor of Anthropology, Pediatrics (1959).
B.A. (1942), Pomona; Ph.D. (1955), Columbia.
- †Raymond F. Friedman, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1967).
B.S. (1955), Oregon State; M.D. (1957), Oregon.
- †Richard D. Frisbie, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1953), M.D. (1956), Nebraska.
- *Arthur W. Frisch, M.D., Ph.D., Professor of Microbiology (1946).
B.A. (1931), M.A. (1933), Ph.D. (1935), M.D. (1937), Wisconsin.
- †David C. Frisch, M.D., Clinical Instructor in Dermatology (1952).
B.S. (1938), B.M. (1941), M.D. (1942), Minnesota; M.S. (1949), Wayne State.
- Louis H. Frische, M.D., Professor of Radiology (Diagnosis) (1953).
M.D. (1949), Harvard.

† Volunteer.

‡ Part-time.

* Leave of absence July 1, 1972 to July 1, 1974.

MEDICAL SCHOOL FACULTY

- †**Thomas E. Frothingham, M.D.**, Assistant Clinical Professor of Microbiology and Pediatrics (1969).
M.D. (1951), Harvard.
- †**Robert J. Fry, M.D.**, Clinical Instructor in Orthopedics (1958).
B.A. (1947), Michigan; M.D. (1952), Temple.
- Thomas S. Fujita, M.S.**, Instructor in Biochemistry and Neurology (Neurochemistry) (1963).
B.A. (1956), Reed; M.S. (1959), University of Washington.
- †**Malcolm E. Fuller, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1959).
B.S. (1942), Florida; M.D. (1951), Oregon.
- †**Remy W. Fulsher, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1955).
M.D. (1950), Ohio State.
- †**Walter L. Gabler, D.D.S., Ph.D.**, Affiliate in Biochemistry (Dentistry, Dental School) (1970).
D.D.S. (1956), Ph.D. (1964), Northwestern.
- †**Ferenc F. Gabor, M.D.**, Clinical Instructor in Urology (1970).
M.D. (1954), Pecs (Hungary).
- John D. Gabourel, Ph.D.**, Professor of Pharmacology (1964).
B.S. (1950), California; M.S. (1951), San Francisco; Ph.D. (1957), Rochester.
- †**William P. Galen, M.D.**, Assistant Clinical Professor of Medicine (1953).
B.S. (1946), M.D. (1948), Oregon.
- Anthony E. Gallo, M.D.**, Professor of Neurosurgery (1968).
B.S. (1952), Tufts; M.D. (1956), Harvard.
- †**John J. Galluci, M.D.**, Assistant Clinical Professor of Radiology (Therapy) (1970).
B.S. (1956), Seattle University; M.D. (1959), Marquette.
- †**L. Phao Gambee, M.D.**, Clinical Instructor in Orthopedics (1962).
B.S. (1951), Gonzaga; M.D. (1957), Creighton.
- †**J. Scott Gardner, M.D.**, Clinical Professor of Urology (1945).
B.A. (1935), Utah; M.D. (1939), Cornell.
- Ann M. Garner, Ph.D.**, Professor, Crippled Children's Division; Professor of Medical Psychology (1968).
A.B. (1936), Carleton; A.M. (1938), Radcliffe; Ph.D. (1941), Stanford.
- †**William M. Garnjobst, M.D.**, Associate Clinical Professor of Surgery (1955).
B.A. (1943), Oregon State; M.D. (1945), Oregon.
- †**P. Rocca Garofalo, M.D., Ph.D.**, Assistant Clinical Professor of Neurology (1970).
A.B. (1951), Barnard; M.S. (1953), Ph.D. (1958), M.D. (1960), Oregon.
- †**Howard J. Geist, M.D.**, Assistant Clinical Professor of Orthopedics (1965).
M.D. (1953), Harvard.
- †**John Gerhardt, M.D.**, Clinical Instructor in Physical Medicine and Rehabilitation (1971).
M.D. (1948), Karl Franzen (Austria).
- Nancy B. Gerhardt, M.S.**, Instructor in Microbiology (1966).
B.S. (1950), Oregon State; M.S. (1971), Oregon.
- †**Luigi Giacometti, Ph.D.**, Associate Professor of Dermatology (Primate Center) (1969).
M.Sc. (1962), Ph.D. (1964), Brown.
- †**Jerzy O. Giedwoyn, M.D.**, Senior Clinical Instructor in Medicine (1972).
M.D. (1963), Warsaw.
- †**Jerry D. Giesy, M.D.**, Assistant Clinical Professor of Urology (1964).
B.A. (1955), M.D. (1959), Oregon.
- †**James H. Gilbaugh, Jr., M.D.**, Clinical Instructor in Urology (1970).
M.S., M.D. (1963), Oregon.
- †**David N. Gilbert, M.D.**, Assistant Clinical Professor of Medicine (1971).
B.S. (1963), M.D. (1964), Oregon.
- John H. Gilberts, M.D.**, Assistant Professor of Family Practice (1971).
B.A. (1959), University of Washington; M.D. (1963), Kansas.
- †**Joseph H. Gill, M.D.**, Senior Clinical Instructor in Orthopedics (1949).
B.A. (1940), Reed; M.D. (1943), Oregon.
- †**Samuel F. Gill, M.D.**, Senior Clinical Instructor in Orthopedics (1963).
B.S. (1953), Oregon State; M.D. (1955), Oregon.
- †**James B. Gillick, M.D.**, Clinical Instructor in Medicine (1967).
M.D. (1959), Indiana.
- †**Richard Gingrich, M.D.**, Senior Clinical Instructor in Surgery (1970).
B.A. (1952), Walla Walla; M.D. (1956), Loma Linda.
- †**Donald Girard, M.D.**, Instructor in Medicine (Veterans Hospital) (1972).
B.A. (1965), Pomona; M.D. (1969), Baylor.
- †**Andrew Glass, M.D.**, Clinical Instructor in Pediatrics (1971).
M.D. (1965), Pennsylvania.
- †**Vincent Glaudin, Ph.D.**, Associate Professor of Psychiatry (Veterans Hospital) (1966).
B.S. (1949), Ph.D. (1954), Illinois.
- †**Leonard M. Goldberg, M.D.**, Assistant Clinical Professor of Medicine (1959).
B.A. (1951), Reed; M.D. (1955), Oregon.
- †**Edward L. Goldblatt, M.D.**, Assistant Professor of Public Health and Preventive Medicine (1967).
B.S. (1957), M.D. (1960), Northwestern; M.P.H. (1964), California.

† Volunteer.
‡ Part-time.

FACULTY

- †**Marvin C. Goldman, M.D.**, Associate Clinical Professor of Medicine (1958).
Ph.B. (1946), B.S. (1947), M.D. (1950), Chicago.
- †**Robert D. Goldman, M.D.**, Associate Clinical Professor of Medicine (1963).
B.A. (1950), M.D. (1957), Michigan.
- †**Buell E. Goocher, Ph.D.**, Assistant Clinical Professor of Psychiatry (Psychology) (1964).
B.S. (1958), Wisconsin; M.A. (1961), Ph.D. (1963), Southern Illinois.
- †**Morton J. Goodman, M.D.**, Assistant Clinical Professor of Medicine (1935).
B.A. (1926), M.D. (1929), Oregon.
- †**Scott Goodnight, M.D.**, Clinical Professor of Pediatrics (1940).
B.A. (1930), Wisconsin; M.D. (1932), Oregon.
- †**John R. Gorman, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1950), Kansas State; M.D. (1954), Kansas.
- †**Guy W. Gorrell, M.D.**, Associate Clinical Professor of Surgery (1961).
B.S. (1950), M.D. (1953), Oregon.
- †**Walter A. Goss, M.D.**, Associate Clinical Professor of Pediatrics (1946).
B.S. (1933), Oregon State; M.D. (1937), Oregon.
- †**Richard T. Gourley, M.D.**, Affiliate in Pathology (1967).
B.A. (1958), Reed; M.D. (1963), Oregon.
- †**David Gowing, M.D.**, Associate Clinical Professor of Anesthesiology (1962).
A.B. (1955), Boston; M.D. (1959), Yale.
- Julia L. Grach, M.D.**, Assistant Professor of Pediatrics (1967).
B.A. (1951), M.D. (1955), University of Santo Thomas (Philippines).
- †**Michael Graham, M.D.**, Clinical Instructor in Orthopedics (1972).
B.S. (1960), Iowa State; M.D. (1964), State University of Iowa.
- †**Robert H. Gray, M.D.**, Assistant Clinical Professor of Medicine (1961).
B.S. (1953), M.D. (1955), Oregon.
- †**Gerald S. Green, M.D.**, Assistant Clinical Professor of Radiology (Diagnosis) (1969).
B.S. (1960), California (Berkeley); M.D. (1963), California (San Francisco).
- †**Merwyn Greenlick, Ph.D.**, Associate Clinical Professor of Public Health and Preventive Medicine (1970).
B.S. (1957), M.S. (1961), Wayne State; Ph.D. (1967), Michigan.
- Monte A. Greer, M.D.**, Professor of Medicine; Head of Division of Endocrinology (1956).
A.B. (1944), M.D. (1947), Stanford.
- †**Victor Gregory, M.D.**, Assistant Clinical Professor of Psychiatry (1966).
M.D. (1951), Illinois.
- †**John J. Greve, M.D.**, Senior Clinical Instructor in Medicine (1968).
B.A. (1958), M.D. (1962), Iowa.
- †**Ray V. Grewe, M.D.**, Clinical Instructor in Neurosurgery (1958).
B.S. (1945), University of Washington; M.D. (1947), Oregon.
- †**Charles K. Griffin, M.D.**, Clinical Instructor in Medicine (1971).
B.A. (1961), California (Berkeley); M.D. (1966), George Washington.
- †**Thomas K. Griffith, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).
B.A. (1951), M.D. (1955), Iowa.
- †**Robert John Grimm, M.D.**, Assistant Professor of Neurology (Good Samaritan Hospital) (1969).
B.S. (1957), Antioch; M.S. (1959), M.D. (1961), Michigan.
- Herbert E. Griswold, M.D.**, Professor of Medicine; Head of Division of Cardiovascular Renal Diseases (1949).
B.A. (1939), Reed; M.S., M.D. (1943), Oregon.
- †**LeRoy E. Groshong, M.D.**, Associate Clinical Professor of Surgery (1956).
B.S., M.D. (1949), Nebraska.
- †**Edward A. Grossenbacher, M.D.**, Clinical Instructor in Orthopedics (1971).
B.A. (1960), Willamette; M.D. (1964), Oregon.
- †**Harry E. Groth, M.D.**, Senior Clinical Instructor in Orthopedics (1963).
B.S., (1952), M.D. (1955), Wisconsin.
- †**J. Gordon Grout, M.D.**, Assistant Clinical Professor of Surgery (1959).
A.B. (1949), Stanford; M.D. (1954), Oregon.
- M. Roberts Grover, Jr., M.D.**, Associate Dean; Professor of Medicine (1958).
B.A. (1950), Bowdoin; M.D. (1954), Cornell; M.S. (1956), Oregon.
- †**Guy K. Guffee, M.D.**, Senior Clinical Instructor in Surgery (1970).
B.A. (1958), Texas; M.D. (1962), Texas (Galveston).
- John S. Gullikson, D.D.S.**, Associate Professor of Dentistry; Associate Professor, Crippled Children's Division (1963).
B.S. (1950), Washington State; D.D.S., (1954), University of Washington.
- †**Marc J. Gurwith, M.D.**, Assistant Clinical Professor of Medicine (1971).
B.A. (1961), Yale; M.D. (1965), Harvard.
- †**Raymond T. Gustafson, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1952), M.D. (1955), Wisconsin.
- †**Russell G. Gustavson, M.D.**, Assistant Clinical Professor of Surgery (1957).
B.A. (1950), M.D. (1952), Nebraska.

† Volunteer.

MEDICAL SCHOOL FACULTY

William D. Guyer, M.D., Assistant Professor of Orthopedics; Assistant Professor, Crippled Children's Division (1971).
B.S. (1948), Oregon State; M.D. (1953), Oregon.

†**Helmut Haas, M.D.**, Associate Professor of Medicine (Veterans Hospital) (1966).
B.S. (1956), M.D. (1958), Minnesota.

†**Seymour Haber, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1970).
A.B. (1949), Park; M.D. (1954), State University of New York.

†**Clarence H. Hagmeier, M.D.**, Clinical Instructor in Anesthesiology (1967).
B.S. (1943), M.D. (1950), Pittsburgh.

James E. Haines, M.D., Associate Professor of Clinical Pathology and Radiation Therapy (Nuclear Medicine) (1966).
B.S. (1950), M.D. (1955), Stanford.

B. John Hale, M.S.W., M.P.H., Instructor, Crippled Children's Division (1970).
B.S. (1964), Weber State; M.S.W. (1966), Utah; M.P.H. (1970), California (Berkeley).

†**Larry J. Hall, M.D.**, Clinical Instructor in Pediatrics (1970).
B.A. (1962), M.D. (1963), Oregon.

†**Roger W. Hallin, M.D.**, Assistant Clinical Professor of Surgery (1962).
M.D., C.M. (1952), McGill.

†**Luis E. Halpert, M.D.**, Clinical Instructor in Urology (1963).
B.S. (1946), M.D. (1953), Universidad Nacional Autonoma de Mexico.

†**Archie Y. Hamilton, M.D.**, Clinical Instructor in Clinical Pathology (1966).
B.S. (1954), M.S. (1955), Oregon State; M.D. (1960), Oregon.

Martha L. Hamilton, M.D., Associate Professor of Clinical Pathology (Medical Technology) (1957).
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.

John P. Hammerstad, M.D., Assistant Professor of Neurology (1972).
A.B. (1960), Stanford; M.D. (1964), Chicago.

†**John R. Hand, M.D.**, Clinical Professor of Urology (1932).
B.S. (1921), B.M. (1923), M.D. (1924), M.S. (1936), Minnesota.

†**Robert F. Haney, M.D.**, Assistant Clinical Professor of Ophthalmology (1965).
B.S. (1955), M.D. (1958), Oregon.

Constance Hanf, Ph.D., Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1963).
B.A. (1938), M.A. (1943), New York University; M.A. (1952), College of City of New York; Ph.D. (1961), Pennsylvania State.

Jon M. Hanifin, M.D., Assistant Professor of Dermatology (1971).
M.D. (1965), Minnesota.

†**Mark R. Hanschka, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).
B.A. (1955), Amherst; M.D. (1961), Harvard.

†**John R. Hansen, M.D.**, Assistant Clinical Professor of Pediatrics (1950).
B.S. (1939), University of Washington; M.D. (1946), Oregon.

†**Robert M. Hansen, M.D.**, Clinical Professor of Otolaryngology (1948).
B.S. (1935), Nevada; M.D. (1939), Baylor.

†**George S. Hara, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1957).
B.A. (1948), M.D. (1953), Oregon.

†**James V. Harber, M.D.**, Clinical Instructor in Anesthesiology (1959).
B.S. (1953), M.D. (1955), Oregon.

†**John Harder, M.D.**, Clinical Instructor in Orthopedics (1959).
B.A. (1945), Whitman; M.D. (1949), Oregon.

†**George Thomas Harding, Jr., M.D.**, Senior Clinical Instructor in Surgery (1966).
M.D. (1958), University of Washington.

†**Robert L. Hare, M.D.**, Associate Clinical Professor of Medicine (1956).
B.S. (1947), M.D. (1949), Illinois; M.S. (1956), Minnesota.

†**Allen D. Harlor, Jr., M.D.**, Assistant Clinical Professor of Pediatrics (1966).
B.S. (1957), M.D. (1961), M.S. (1964), Ohio State.

†**Bernard P. Harpole, M.D.**, Clinical Instructor in Family Practice (1949).
B.S. (1935), M.D. (1939), St. Louis.

†**Homer H. Harris, M.D.**, Associate Clinical Professor of Clinical Pathology (1951).
B.A. (1942), Reed; M.D. (1945), Oregon.

†**William D. Harrison, M.D.**, Clinical Instructor in Continuing Medical Education (1970).
B.S. (1945), Willamette; M.D. (1949), Oregon.

†**Joseph T. Hart, M.D.**, Clinical Professor of Pediatrics (1950).
B.S.M. (1941), M.D. (1942), Creighton.

†**James T. Hartford, M.D.**, Assistant Clinical Professor of Pediatrics (1966).
B.A. (1951), Portland; M.D. (1961), Oregon.

Fredric M. Harwin, M.S., Unit Supervisor, Medical Graphics; Assistant Professor (1969).
B.F.A. (1965), Wayne State; M.S. (1967), Michigan.

†**Roger W. Haskell, M.D.**, Assistant Clinical Professor of Public Health and Preventive Medicine (1972).
B.A. (1950), Wesleyan; M.D. (1958), Liège (Belgium); M.P.H. (1966), California (Berkeley).

FACULTY

- Frederick P. Haugen, M.D.**, Professor of Anesthesiology (1948).
B.A. (1933), M.D. (1935), Oregon.
- †**Thomas Haun, M.D.**, Senior Clinical Instructor in Medicine (1963).
M.D. (1957), Creighton.
- †**John F. Hayes, M.D.**, Clinical Instructor in Surgery (1955).
B.A. (1945), Oregon State; M.D. (1947), Oregon.
- †**Gordon D. Haynie, M.D.**, Associate Professor of Medicine (Veterans Hospital) (1961).
B.S. (1949), Idaho State; M.D. (1953), Oregon.
- †**John R. Hazel, M.D.**, Clinical Instructor in Orthopedics (1966).
B.A. (1953), Portland; M.D. (1958), Oregon.
- †**Thomas S. Healy, M.D.**, Senior Clinical Instructor in Medicine (1951).
B.A. (1940), M.D. (1942), Oregon.
- Frederick Hecht, M.D.**, Associate Professor of Pediatrics and Medicine; Associate Professor, Crippled Children's Division (1965).
B.A. (1952), Dartmouth; M.D. (1960), Rochester.
- Jack R. Hegrenes, Ph.D.**, Assistant Professor, Crippled Children's Division (1967).
B.S. (1952), M.S. (1955), Oregon; M.A. (1960), Ph.D. (1970), Chicago.
- †**William J. Hemphill, M.D.**, Clinical Instructor in Dermatology (1961).
M.D. (1947), Oklahoma.
- †**Curtis J. Hendricks, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).
B.A. (1948), B.S. (1949), M.B. (1951), M.D. (1952), Minnesota.
- †**J. Allan Henderson, M.D.**, Clinical Instructor in Family Practice and Continuing Medical Education (1971).
B.S. (1950), University of Washington; M.D. (1953), Oregon.
- Norman Henderson, Ph.D.**, Associate Professor of Medical Psychology (1967).
B.A. (1938), Fresno State; M.A. (1948), Occidental; Ph.D. (1953), U.C.L.A.
- †**Edward L. Hendricks, M.D.**, Associate Clinical Professor of Pediatrics (1955).
B.S. (1946), Oregon State; M.S. (1948), M.D. (1949), Oregon.
- †**Charles P. Henke, M.D.**, Professor of Surgery (Veterans Hospital) (1972).
B.S. (1941), B.M., M.D. (1944), Northwestern.
- Paul N. Herman, Ph.D.**, Assistant Professor of Otolaryngology (1968).
A.B. (1952), Cornell; A.M. (1954), Alabama; Ph.D. (1965), Connecticut.
- Richard Herren, Director, Instructional Aids; Assistant Professor (1968).**
- Barbara Hiatt, M.S., R.N.**, Administrator, Tuberculosis Hospital; Associate Professor of Nursing (1950).
B.S., R.N. (1948), Oregon State; M.S. (1950), Oregon.
- †**William W. Hicks, Jr., M.D.**, Clinical Instructor in Obstetrics and Gynecology (1958).
M.D. (1953), Jefferson; B.S. (1954), University of Washington.
- †**Endo Hidehiko, M.D.**, Instructor in Dermatology (Primate Center) (1971).
M.D. (1963), Osaka.
- †**Curtis Lyle Hill, M.D.**, Clinical Instructor in Neurosurgery (1969).
A.M.S. (1954), Minnesota; B.A., B.S. (1961), North Dakota; M.D. (1963), Harvard.
- †**John D. Hill, D.V.M.**, Assistant Professor of Medicine (Primate Center) (1968).
B.S. (1958), D.V.M. (1960), Washington State; M.Med.Sci. (1967), Pennsylvania.
- †**Robert V. Hill, M.D.**, Assistant Clinical Professor of Ophthalmology (1948).
B.S. (1936), Oregon State; M.D. (1939), Oregon.
- †**William E. Hill, M.D.**, Associate Clinical Professor of Pediatrics (1962).
B.A. (1947), Maine; M.D. (1951), Tufts.
- †**Ernest H. Hixon, D.D.S.**, Professor of Dentistry (1967).
D.D.S. (1945), M.S. (1949), Iowa.
- Robert P. Hodam, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1968).
A.B. (1955), B.S., M.D. (1958), Illinois.
- Clarence V. Hodges, M.D.**, Professor of Urology; Head of Division (1948).
B.S. (1937), Iowa State; M.D. (1940), Chicago.
- †**Richard A. Hodgson, M.D.**, Senior Clinical Instructor in Otolaryngology (1962).
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- †**Carl L. Holm, M.D.**, Senior Clinical Instructor in Orthopedics (1961).
B.A. (1940), Willamette; M.D. (1943), Oregon.
- Charles N. Holman, M.D.**, Dean of the Medical School; Professor of Medicine (1940).
B.A. (1931), M.D. (1936), Oregon.
- †**Keith D. Holmes, M.D.**, Clinical Instructor in Surgery (1972).
B.S. (1955), Willamette; M.S., M.D. (1960), Oregon.
- †**Monroe A. Holmes, D.V.M., M.P.H.**, Senior Clinical Instructor in Public Health and Preventive Medicine (1967).
B.S. (1942), University of Washington; D.V.M. (1946), Washington State; M.P.H. (1963), California.
- †**Aina J. Holt, M.D.**, Clinical Instructor in Psychiatry (1972).
M.D. (1943), Latvia.

MEDICAL SCHOOL FACULTY

- Curtis R. Holzgang**, M.D., Assistant Professor of Medicine; Director of Education, Medicine Outpatient Professional Services (1968).
B.A. (1958), M.D., M.S. (1963), Oregon.
- †**Richard J. Hopkins**, M.D., Assistant Clinical Professor of Orthopedics (1950).
B.S. (1943), Idaho; M.D. (1944), Oregon.
- †**Marcus M. Horenstein**, M.D., Associate Clinical Professor of Medicine (1947).
B.A. (1937), M.D. (1941), Oregon.
- †**Velma J. Horenstein**, M.D., Clinical Instructor in Psychiatry (1967).
B.A. (1946), M.D. (1953), Oregon.
- †**Irving J. Horowitz**, M.D., Associate Clinical Professor of Radiology (Therapy) (1959).
B.S. (1946), M.S. (1947), M.D. (1952), Michigan.
- A. Wesley Horton**, Ph.D., Professor of Environmental Medicine and Biochemistry (1962).
B.S. (1940), M.S. (1947), Ph.D. (1948), Yale.
- †**Dale D. Hoskins**, Ph.D., Associate Professor of Biochemistry (Primate Center) (1963).
B.S. (1953), M.S. (1955), Oregon State; Ph.D. (1960), Colorado.
- †**Charles F. Howard, Jr.**, Ph.D., Assistant Professor of Biochemistry (Primate Center) (1965).
B.A. (1954), Colorado State College; M.A. (1958), Colorado State; M.S. (1961), Ph.D. (1963), Wisconsin.
- †**Martin A. Howard**, M.D., Assistant Clinical Professor of Surgery (1929).
B.S. (1923), M.D. (1926), Oregon.
- †**Jay C. Hoyt**, M.D., Assistant Clinical Professor of Medicine (1956).
B.S. (1946), B.M. (1947), M.D. (1948), Minnesota.
- †**Funan Hu**, M.D., Professor of Dermatology (Primate Center) (1965).
M.D. (1942), National Medical College of Shanghai.
- †**Grant B. Hughes**, M.D., Assistant Clinical Professor of Psychiatry (1963).
M.D. (1944), Temple.
- Margaret E. Hughes**, B.S., Librarian; Professor (1946).
B.S. (1937), Minnesota.
- †**Paul Q. Hull**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1959), M.D. (1963), University of Washington.
- †**Arthur F. Hunter**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1946).
A.B. (1930), Denver; M.D. (1933), Colorado.
- Leslie W. Hunter**, M.S.W., Director, Medical Social Service Department; Professor (1965).
M.A. (1944), Royal Hungarian Peter Pazmany University (Budapest); M.S.W. (1956), Southern California.
- †**Howard W. Huntington**, M.D., Assistant Professor of Neurology and Affiliate in Neuropathology (Good Samaritan Hospital) (1968).
B.A. (1957), St. Olaf; M.D. (1961), University of Washington.
- †**Peter L. Hurst**, M.D., Associate Clinical Professor of Pediatrics (1956).
B.S. (1950), Antioch; M.D. (1950), Washington University.
- †**William W. Hurst**, M.D., Associate Clinical Professor of Medicine (1952).
B.S. (1942), Idaho State; B.M. (1945), M.D. (1946), Northwestern.
- †**Crittenden Huston**, M.D., Clinical Instructor in Family Practice (1967).
B.A. (1949), Linfield; M.D. (1953), Oregon.
- Tyra T. Hutchens**, M.D., Professor of Clinical Pathology; Chairman of Department (1953).
B.S. (1943), M.D. (1945), Oregon.
- †**Wendell H. Hutchens**, M.D., Associate Clinical Professor of Psychiatry (1967).
B.S. (1928), Pacific College (George Fox); A.B. (1929), M.D. (1932), Oregon.
- John J. Hutchins**, M.H.A., Associate Administrator, Medical School Hospital; Instructor (1970).
B.S. (1967), Oregon State; M.H.A. (1970), U.C.L.A.
- Jack H. Hutchinson**, B.A., Instructor in Medicine (1961).
B.A. (1949), Lewis and Clark.
- †**Alfred C. Hutchinson**, M.D., Clinical Instructor in Family Practice (1970).
M.D. (1943), Oregon.
- †**Peter B. Hutchinson**, M.D., Clinical Instructor in Medicine (1970).
B.A. (1959), Johns Hopkins; M.D. (1963), McGill.
- †**Theodore L. Hyde**, M.D., Assistant Clinical Professor of Surgery (1964).
B.S. (1925), Minnesota; M.D. (1927), Harvard.
- †**Milton D. Hyman**, M.D., Associate Clinical Professor of Radiology (Therapy) (1945).
B.A. (1932), College of City of New York; M.S. (1933), M.D. (1937), Long Island (New York University).
- †**Selma Hyman**, M.D., Associate Clinical Professor of Radiology (Therapy) (1944).
B.S. (1932), M.D. (1938), New York University.
- Barbara Iglewski**, Ph.D., Assistant Professor of Microbiology (1968).
B.S. (1960), Allegheny; M.S. (1962), Ph.D. (1964), Pennsylvania State.
- Wallace Iglewski**, Ph.D., Associate Professor of Microbiology (1968).
B.A. (1961), Western Reserve; B.S. (1963), Ph.D. (1965), Pennsylvania State.

† Volunteer.

‡ Part-time.

FACULTY

- †James Donald Imbrie, M.D., Senior Clinical Instructor in Otolaryngology (1967).
B.S. (1957), M.D. (1959), Oregon.
- †Toshio Inahara, M.D., Assistant Clinical Professor of Surgery (1956).
B.S. (1948), M.D. (1950), Oregon.
- Ivan Inger, Ph.D., Associate Professor of Psychiatry and Pediatrics (1970).
A.B. (1960), Ph.D. (1965), Washington University.
- †Joseph A. Intile, M.D., Clinical Instructor in Medicine (1968).
B.S. (1953), City College of New York; M.D. (1957), New York Medical College.
- Robert J. Iorio, Ph.D., Assistant Professor of Anatomy (1971).
A.B. (1963), Brown; Ph.D. (1968), S.U.N.Y. (Syracuse).
- †Willis J. Irvine, M.D., Clinical Instructor in Family Practice (1970).
M.D. (1948), Oregon.
- Samuel Irwin, Ph.D., Professor of Pharmacology in Psychiatry (1964).
B.A. (1948), Rutgers; Ph.D. (1954), Michigan.
- John B. Isom, M.D., Associate Professor of Neurology and Professor of Pediatrics (1963).
B.A. (1950), M.D. (1954), Vanderbilt.
- Russell Jackson, Ph.D., Assistant Professor of Medical Psychology; Assistant Professor, Crippled Children's Division (1968).
B.S. (1963), M.S. (1964), Brigham Young; Ph.D. (1968), Ohio State.
- William W. Jackson, B.S., Assistant Professor, Animal Care (1963).
B.S. (1949), Howard.
- Stanley W. Jacob, M.D., Associate Professor of Surgery (1959).
B.A. (1945), M.D. (1948), Ohio State.
- †Wesley R. Jacobs, M.D., Senior Clinical Instructor in Medicine (1967).
M.S., M.D. (1960), Oregon.
- †Frank M. Jacobson, M.D., Assistant Clinical Professor of Pediatrics (1962).
M.D. (1951), Oregon.
- †Sheldon A. Jacobson, M.D., Clinical Professor of Pathology (1950).
A.B. (1922), College of City of New York; M.D. (1928), Yale.
- †David W. James, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).
B.S. (1930), Denison; M.D. (1933), Ohio State; M.S. (1940), Wayne State.
- †Stanley L. James, M.D., Senior Clinical Instructor in Orthopedics (1967).
B.A. (1953), M.D. (1962), Iowa.
- †John Paul Jarabak, D.D.S., Professor of Dentistry (1960).
D.D.S. (1938), Indiana.
- †J. Theodore Jastak, D.D.S., Ph.D., Associate Professor of Dentistry (1969).
D.D.S. (1962), Seton Hall; Ph.D. (1967), Rochester.
- †Jack D. Jefferson, M.D., Senior Clinical Instructor in Surgery (1967).
B.A. (1958), M.D. (1962), Missouri.
- Robert A. Jellum, B.S., Budget Officer; Assistant Professor (1966).
B.S. (1950), Linfield.
- †Naraindas B. Jetmalani, D.P.M., Assistant Clinical Professor of Psychiatry (1964).
D.P.M. (1953), Netherne Hospital, Surrey (England).
- ‡Banoo Jhaveri, M.D., Instructor in Pediatrics (1972).
M.D. (1963), Lady Hardinge Medical College.
- †Marvin M. John, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1951), M.D. (1954), Oregon.
- †David S. Johnson, M.D., Assistant Clinical Professor of Clinical Pathology (1970).
M.D. (1948), Washington University.
- †Donald R. Johnson, M.D., Clinical Instructor in Ophthalmology (1965).
B.A. (1951), Minnesota; A.M. (1952), Harvard; M.D. (1961), Stanford.
- Florence E. Johnson, M.A., A.M., Serials Librarian; Assistant Professor (1970).
B.A. (1939), M.A., (1952), Toronto; A.M. (1964), Chicago.
- †Gerald E. Johnson, M.D., Clinical Instructor in Radiology (Diagnosis) (1972).
B.S. (1953), M.D. (1956), Wisconsin.
- †Lloyd E. Johnson, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1949), M.D. (1950), Minnesota.
- †Raymond M. Johnson, Jr., M.D., Clinical Instructor in Family Practice (1971).
B.S. (1955), M.D. (1957), Oregon.
- †Roderick L. Johnson, M.D., Senior Clinical Instructor in Surgery (1960).
B.S. (1948), M.D. (1951), University of Washington.
- †Warren E. Johnson, Ph.D., Assistant Professor of Otolaryngology (Audiology) (Portland Center for Hearing and Speech) (1962).
A.B. (1949), Wabash; M.A. (1950), Northwestern; Ph.D. (1970), Oregon.
- †Russell L. Johnsrud, M.D., Assistant Clinical Professor of Surgery (1936).
B.A. (1930), M.D. (1933), Oregon.
- †Charles E. Johnston, M.D., Clinical Instructor in Psychiatry (1970).
B.A. (1955), Duke; M.D. (1962), Medical College of Virginia.

† Volunteer.
‡ Part-time.

MEDICAL SCHOOL FACULTY

- George I. Johnston**, B.S., Director of Research Instrument Service; Assistant Professor (1961).
B.S. (1955), Johns Hopkins.
- Russell L. Jolley**, Ph.D., Instructor in Biochemistry (1968).
B.S. (1943), Texas A&M; M.S. (1954), Ph.D. (1958), Oregon State.
- †**Homer C. Jones, Jr.**, M.D., Senior Instructor in Anesthesiology (Veterans Hospital) (1969).
B.S. (1949), Southern Methodist; M.D. (1952), Texas (Dallas).
- †**Lester T. Jones**, M.D., Clinical Professor of Otolaryngology and Ophthalmology (1924).
B.A. (1918), Pacific University; M.D. (1921), M.A. (1923), Oregon.
- †**Orville N. Jones**, M.D., Senior Clinical Instructor in Orthopedics (1947).
B.A. (1931), Reed; M.D., C.M. (1937), McGill.
- Richard T. Jones**, M.D., Ph.D., Professor of Biochemistry; Chairman of Department (1961).
B.S. (1953), M.S., M.D. (1956), Oregon; Ph.D. (1961), California Institute of Technology.
- †**Lewis W. Jordan**, M.D., Assistant Clinical Professor of Otolaryngology (1936).
B.S. (1929), M.D. (1931), Oregon.
- Terence M. Joys**, Ph.D., Associate Professor of Microbiology (1965).
B.Sc. (1957), Leeds (England); Ph.D. (1961), Lister Institute of University of London.
- Doris Julian**, M.N., Assistant Professor, Crippled Children's Division (1969).
R.N. (1947), Hastings; B.S. (1951), M.N. (1966), University of Washington.
- †**Ellis B. Jump**, D.M.D., Ph.D., Professor of Anatomy (Dental School) (1969).
B.A. (1932), Dartmouth; D.M.D. (1936), Harvard; Ph.D. (1944), Chicago.
- David Kabat**, Ph.D., Associate Professor of Biochemistry (1969).
Sc.B. (1962), Brown; Ph.D. (1967), California Institute of Technology.
- †**Robert L. Kalez**, M.D., Assistant Clinical Professor of Urology (1963).
B.S. (1954), Gonzaga; M.D. (1957), Creighton.
- †**Huldrick Kammer**, M.D., Clinical Professor of Medicine (1949).
B.A. (1936), Wisconsin; B.M. (1940), M.D. (1941), Northwestern.
- †**Joseph R. Kantor**, M.D., Clinical Instructor in Surgery (1967).
B.S.Med. (1958), Creighton; M.D. (1958), Nebraska.
- †**Reinhold Kanzler**, M.D., Clinical Instructor in Surgery (1958).
B.S. (1934), M.S. (1937), M.D. (1938), Oregon.
- Donald G. Kassebaum**, M.D., Professor of Medicine (1962).
B.A. (1955), Reed; M.D. (1956), Oregon.
- †**Ronald M. Katon**, M.D., Clinical Instructor in Medicine (1971).
B.A. (1962), Vermont; M.D. (1966), Chicago.
- †**Eugene A. Kazmierski**, M.D., Clinical Instructor in Medicine (1971).
M.D. (1963), Warsaw (Poland).
- Emmet Keefe**, M.D., Instructor in Medicine (1972).
B.S. (1964), University of San Francisco; M.D. (1969), Creighton.
- †**Foster F. Keene**, M.D., Clinical Instructor in Medicine (1968).
B.A. (1955), M.D. (1959), Stanford.
- Shiela M. Keil**, M.L., Acquisitions Librarian; Instructor (1971).
B.A. (1968), Puget Sound; M.L. (1969), University of Washington.
- †**John P. Keizer**, M.D., Associate Clinical Professor of Ophthalmology (1953).
B.A. (1934), M.D. (1937), Oregon.
- †**Harley D. Kelley**, M.D., Assistant Clinical Professor of Surgery (1965).
B.A. (1955), Pacific; M.D. (1959), Oregon.
- †**Donald F. Kelly**, M.D., Assistant Professor of Dentistry; Associate Clinical Professor of Pediatrics (1959).
B.S. (1949), Portland; M.D. (1954), Oregon.
- John W. Kendall, Jr.**, M.D., Professor of Medicine; Head, Division of Diabetes and Metabolism (1962).
B.A. (1952), Yale; M.D. (1956), University of Washington.
- Charles W. Kerber**, M.D., Assistant Professor of Radiology (Diagnosis) (1972).
B.S. (1958), M.D. (1962), Pittsburgh.
- Max F. Kersbergen**, M.A., Administrator, Outpatient Clinic; Assistant Administrator, Multnomah Hospital; Assistant Professor (1969).
B.S. (1958), M.A. (1963), Iowa.
- Jack L. Keyes**, Ph.D., Assistant Professor of Physiology (1971).
B.A. (1963), Linfield; Ph.D. (1970), Oregon.
- †**Ilmar O. Kiesel**, M.D., Assistant Professor of Radiology (Diagnosis) (Veterans Hospital) (1969).
M.D. (1938), M.S. (1942), Tartu (Estonia).
- †**Calvin H. Kiest, Jr.**, M.D., Senior Clinical Instructor in Orthopedics (1960).
B.S. (1951), Oregon State; M.D. (1955), Oregon.
- Kenneth S. W. Kim**, Ph.D., Assistant Professor of Clinical Pathology (1972).
B.A. (1953), Hawaii; M.S. (1960), Ph.D. (1964), University of Washington.
- P. John Kim**, Ph.D., Assistant Professor of Biostatistics (Public Health and Preventive Medicine) (1971).
B.S. (1963), Ohio; M.A. (1965), California (Berkeley); Ph.D. (1969), U.C.L.A.

† Volunteer.

FACULTY

- †**Reid R. Kimball, M.D.**, Assistant Clinical Professor of Psychiatry (1967).
B.S. (1949), Brigham Young; M.D. (1951), Utah.
- †**Philip S. King, III, M.D.**, Senior Instructor in Physical Medicine and Rehabilitation (Veterans Hospital) (1968).
B.A. (1949), Omaha; M.D. (1952), Nebraska.
- †**Frederick A. J. Kingery, M.D.**, Clinical Professor of Dermatology (1959).
B.S. (1949), Yale; M.D. (1953), New York University.
- †**Gerald E. Kinzel, M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1946).
B.A. (1933), M.D. (1936), Oregon.
- †**George W. Kittinger, Ph.D.**, Professor of Biochemistry (Primate Center) (1965).
B.S. (1948), M.S. (1950), Northwestern; Ph.D. (1953), Oregon.
- †**George D. C. Kjaer, M.D.**, Clinical Instructor in Psychiatry (1966).
B.A. (1955), M.D. (1959), University of Washington.
- †**Alvin Klass, M.D.**, Clinical Instructor in Ophthalmology (1968).
B.S. (1960), Portland State; M.D. (1963), Oregon.
- Roger L. Klein, M.D.**, Associate Professor of Anesthesiology (1969).
B.S. (1956), South Dakota; M.D. (1956), Loyola.
- †**Harvey D. Klevit, M.D.**, Associate Clinical Professor of Pediatrics (1964).
A.B. (1952), M.D. (1956), Temple.
- †**David D. Kliever, M.D.**, Assistant Clinical Professor of Medicine (1968).
B.S. (1939), Wheaton; M.D. (1951), Harvard.
- †**Edward K. Kloos, M.D.**, Assistant Clinical Professor of Neurosurgery (1948).
A.B. (1934), Western Reserve; M.D. (1938), Rochester; M.S. (1943), Minnesota.
- ***Frank E. Kloster, M.D.**, Associate Professor of Medicine (1965).
B.S. (1955), Iowa State; M.D. (1958), Iowa.
- †**Mark S. Kochevar, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1952), M.D. (1955), Colorado.
- †**Delbert M. Kole, M.D.**, Assistant Clinical Professor of Psychiatry (1968).
B.S. (1958), Washington State; M.S., M.D. (1962), Oregon.
- Robert D. Koler, M.D.**, Professor of Medicine; Head of Division of Medical Genetics (1953).
B.A. (1945), M.D. (1947), Oregon.
- John D. Koontz, B.S.**, Assistant Professor of Clinical Pathology (1963).
B.S. (1954), Oregon.
- † **Volunteer.**
† **Part-time.**
* **Leave of absence July 1, 1972 to June 30, 1973.**
- †**Edward L. Korn, M.D.**, Clinical Instructor in Otolaryngology (1968).
B.A. (1957), Ohio Wesleyan; M.D. (1961), Ohio State.
- Nancy Kosterlitz, M.A.**, Associate Professor of Psychiatry (Psychiatric Social Work) (1962).
B.A. (1945), M.A. (1950), Chicago.
- †**Richard H. Kosterlitz, M.D.**, Assistant Clinical Professor of Medicine (1958).
B.S., M.D. (1949), Illinois.
- †**Arthur D. Kracke, M.D.**, Associate Clinical Professor of Pediatrics (1963).
B.A. (1955), North Dakota; M.D. (1958), McGill.
- †**Lewis J. Krakauer, M.D.**, Assistant Clinical Professor of Medicine (1956).
A.B. (1947), Williams; M.D. (1951), Harvard.
- †**John C. Krauss, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1959), Hope; M.D. (1963), Wayne State.
- †**Alfred J. Krefl, M.D.**, Senior Clinical Instructor in Ophthalmology (1951).
B.S. (1933), M.D. (1936), Illinois.
- Edna Louise Kremkau, M.D.**, Assistant Professor of Medicine (1970).
B.A. (1963), M.D. (1965), Oregon.
- †**Paul O. Kretschmar, M.D.**, Senior Clinical Instructor in Medicine (1961).
B.S. (1952), South Dakota; M.D. (1954), Illinois.
- Marion L. Krippaehne, M.D.**, Associate Professor of Medicine (1952).
B.S. (1944), University of Washington; M.D. (1948), Oregon.
- William W. Krippaehne, M.D.**, Kenneth A. J. Mackenzie Professor of Surgery; Chairman of Department (1953).
B.S. (1943), University of Washington; M.D. (1946), Oregon.
- †**John J. Krygier, M.D.**, Assistant Clinical Professor of Medicine (1943).
B.S. (1936), M.D. (1938), Wisconsin.
- †**W. James Kuhl, Jr., M.D.**, Assistant Clinical Professor of Medicine (1960).
B.A. (1944), Whitman; M.D. (1947), Johns Hopkins.
- †**Clifford Kuhn, M.D.**, Assistant Clinical Professor of Otolaryngology (1940).
B.A. (1928), M.D. (1932), Oregon; M.A. (1943), Pennsylvania.
- Daniel H. Labby, M.D.**, Professor of Medicine and Psychiatry (1947).
B.A. (1935), Reed; M.D. (1939), Oregon.
- †**Alan B. Lachman, M.D.**, Clinical Instructor in Dermatology (1971).
B.A. (1957), Haverford; M.D. (1962), Maryland.
- †**John R. Ladd, M.D.**, Clinical Instructor in Medicine (1969).
M.D. (1962), Michigan.

MEDICAL SCHOOL FACULTY

- †**George H. Lage**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1942).
B.A. (1936), Oregon State; M.D. (1939), Oregon.
- †**Donald R. Laird**, M.D., Assistant Clinical Professor of Surgery (1939).
A.B. (1928), Grinnell; M.S. (1933), M.D. (1934), Rush (University of Chicago); M.S. (1938), Minnesota.
- †**Richard A. Lalli**, M.D., Assistant Clinical Professor of Ophthalmology (1963).
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- †**LeRoy Lamoreaux**, M.D., Clinical Instructor in Anesthesiology (1972).
B.A. (1952), Reed; M.D. (1956), Oregon.
- †**Eugene W. Landreth**, M.D., Assistant Clinical Professor of Clinical Pathology (1957).
B.S. (1946), M.D. (1948), Oregon.
- †**Darrell W. Landrey**, M.D., Senior Clinical Instructor in Otolaryngology (1964).
B.Sc. (1954), Portland; M.D. (1956), Oregon.
- †**Ivan I. Langley**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1967).
B.A. (1940), Oregon State; M.D. (1943), Oregon.
- †**Laurence R. Langston**, M.D., Assistant Clinical Professor of Orthopedics (1956).
B.A. (1947), M.D. (1951), Oregon.
- †**Albert E. Larner**, M.D., Ph.D., Clinical Instructor in Dermatology (1963).
B.S.A. (1946), Ontario Agriculture College; M.S. (1948), Toronto; Ph.D. (1955), Michigan; M.D. (1959), Toronto.
- †**Jerry K. Larsen**, M.D., Instructor in Psychiatry (1972).
B.S. (1964), M.D. (1968), Oregon.
- †**Walter G. Larsen**, M.D., Assistant Clinical Professor of Dermatology (1970).
B.S. (1956), California; M.D. (1960), Southern California.
- †**L. William Larson**, M.D., Clinical Instructor in Medicine (1959).
B.S. (1949), M.D. (1951), Minnesota.
- †**Robert L. Larson**, M.D., Senior Clinical Instructor in Orthopedics (1962).
B.A. (1949), Montana State University; M.D. (1953), George Washington; M.S. (1960), Minnesota.
- †**Wilbur L. E. Larson**, M.D., Associate Professor of Neurology (Good Samaritan Hospital) (1968).
B.A. (1942), M.D. (1945), Oregon.
- Russell K. Lawson**, M.D., Associate Professor of Urology (1968).
B.S. (1962), M.D. (1963), Oregon.
- Walter H. Lawson, Jr.**, M.D., Associate Professor of Medicine (1971).
M.D. (1957), Arkansas.
- †**William C. Lawton**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1958), Montana; M.D. (1962), Utah.
- †**Richard Lazere**, Ph.D., Lecturer in Medical Psychology (1970).
B.S. (1963), State University of Iowa; M.A. (1964); Long Island; Ph.D. (1969), Waterloo.
- †**John B. Leary**, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).
B.S. (1961), M.S. (1961), Minnesota.
- †**Gary H. Leaverton**, M.D., Assistant Clinical Professor of Surgery (1962).
B.S. (1953), M.D. (1955), Oregon.
- †**Chang H. Lee**, M.D., Senior Clinical Instructor in Surgery (1971).
B.S. (1953), Oregon State; M.D. (1957), Oregon.
- †**G. Prentiss Lee**, M.D., Clinical Instructor in Surgery (1952).
B.A. (1939), Reed; M.D. (1943), Oregon.
- †**Harry A. Lee**, M.D., Clinical Instructor in Obstetrics and Gynecology (1967).
B.S. (1953), M.D. (1961), Colorado.
- †**J. Robert Lee**, M.D., Associate Clinical Professor of Radiology (Therapy) (1955).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- †**T. David Lee, Jr.**, M.D., Assistant Clinical Professor of Medicine (1965).
A.B. (1954), Dartmouth; M.D. (1957), Harvard.
- Martin H. Lees**, M.D., Professor of Pediatrics (1963).
M.D. (1955), London University.
- †**Theodore H. Lehman**, M.D., Associate Clinical Professor of Urology (1958).
B.A. (1948), M.A. (1949), M.D. (1953), Nebraska.
- †**Berthold Leibrecht**, M.D., Clinical Instructor in Pediatrics (1970).
M.D. (1961), L.M. University (Germany).
- †**Fernando Leon**, M.D., Clinical Instructor in Cardio-pulmonary Surgery (1968).
B.S. (1948), M.D. (1955), University of Mexico.
- †**Richard L. Lessel**, M.P.H., Senior Instructor in Public Health and Preventive Medicine (1960).
B.S. (1957), University of Washington; M.P.H. (1959), North Carolina.
- Benjamin S. Leung**, Ph.D., Assistant Professor of Surgery (1971).
B.S. (1963), Seattle Pacific; Ph.D. (1969), Colorado State.
- †**Jonathan Levine**, M.D., Clinical Instructor in Neurology (1969).
B.A. (1958), M.D. (1962), Columbia.
- †**Larry V. Lewman**, M.D., Lecturer in Pathology (1971).
B.A. (1963), Kansas State; M.D. (1967), Kansas.
- †**Muriel D. Lezak**, Ph.D., Assistant Professor of Neurology (Veterans Hospital) (1968).
Ph.B. (1947), A.M. (1949), Chicago; Ph.D. (1960), Portland.

† Volunteer.
‡ Part-time.

FACULTY

Herold S. Lillywhite, Ph.D., Professor of Speech Pathology, Pediatrics (1957).

B.S. (1932), Utah State; M.A. (1939), Minnesota; Ph.D. (1943), New York University.

James E. Lindemann, Ph.D., Professor of Medical Psychology; Professor, Crippled Children's Division (1963).

B.S. (1950), M.S. (1951), Ph.D. (1954), Pennsylvania State.

David Linder, M.D., Associate Professor of Pathology (1970).

M.D. (1951), Rochester.

†Aarne J. Lindgren, M.D., Assistant Clinical Professor of Medicine (1948).

B.S. (1936), M.S., M.D. (1942), Oregon.

†Verner V. Lindgren, M.D., Assistant Clinical Professor of Surgery (1950).

B.A. (1942), Gustavus Adolphus; B.S. (1944), B.M. (1945), M.D. (1946), Minnesota.

†Richard H. Lindquist, M.D., Senior Clinical Instructor in Surgery (1958).

B.S. (1946), South Dakota; M.D. (1947), Louisville.

†Charles M. Lindsay, M.D., Clinical Instructor in Family Practice and Continuing Medical Education (1971).

M.D. (1950), Utah.

John Lingas, M.D., Associate Professor of Psychiatry (1970).

B.Sc. (1954), M.D. (1959), Alberta.

James W. Linman, M.D., Professor of Medicine (1972).

B.S. (1945), M.D. (1947), Illinois.

†Mack Lipkin, M.D., Visiting Professor of Psychiatry (1972).

B.S. (1926), College of City of New York; M.D. (1930), Cornell.

†Adam W. Lis, Ph.D., Associate Professor of Obstetrics and Gynecology (1965).

B.S. (1949), Arkansas; B.A. (1954), Ph.D. (1960), California.

Elaine W. Lis, Ph.D., Associate Professor of Nutrition, Crippled Children's Division (1967).

B.A. (1945), Mills; Ph.D. (1960), California.

†Gerald T. Lisac, M.D., Clinical Instructor in Orthopedics (1972).

M.D. (1963), Oregon.

Michael Litt, Ph.D., Professor of Biochemistry and Medical Genetics (1967).

B.A. (1954), Oberlin; Ph.D. (1958), Harvard.

†James H. Lium, M.D., Associate Clinical Professor of Clinical Pathology (1953).

B.S. (1944), M.D. (1946), Oregon.

†Ernest T. Livingstone, M.D., Associate Clinical Professor of Medicine (1955).

B.A. (1949), Reed; M.S., M.D. (1951), Oregon.

Walter C. Lobitz, Jr., M.D., Professor of Dermatology; Chairman of Department (1959).

B.S. (1939), B.M. (1940), M.D. (1941), Cincinnati; M.Sc. (1945), Minnesota; M.A. (Hon.) (1957), Dartmouth.

Mary Ann A. Lockwood, B.A., Director of Publications; Associate Professor (1965).

B.A. (1964), University of Washington.

†Otto L. Loehden, M.D., Senior Clinical Instructor in Surgery (1969).

B.S. (1956), M.D., (1958), Oregon.

Robert W. Loehning, M.D., Associate Professor of Anesthesiology (1972).

B.A. (1948), Ph.D. (1952), Wisconsin; M.D. (1954), Western Reserve.

Catherine A. Loessel, M.P.H., Instructor, Crippled Children's Division (1971).

B.S.N. (1967), Michigan; M.P.H. (1970), Hawaii.

†Norman D. Logan, M.D., Senior Clinical Instructor in Orthopedics (1962).

B.A. (1951), Oregon State; M.D. (1955), Oregon.

†George B. Long, M.D., Clinical Professor of Medicine (1943).

B.A. (1934), Montana State University; M.D. (1939), Northwestern.

†John Wayne Loomis, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1951).

B.A. (1940), Reed; M.D. (1943), Oregon.

Harold M. Louis, D.D.S., Assistant Professor, Crippled Children's Division (1970).

D.D.S. (1957), Northwestern.

Everett W. Lovrien, M.D., Associate Professor of Pediatrics and Medicine; Associate Professor, Crippled Children's Division (1966).

B.A. (1955), M.D. (1959), Minnesota.

†Lawrence M. Lowell, M.D., Assistant Clinical Professor of Cardiopulmonary Surgery (1950).

B.S. (1933), Washington State; M.D. (1936), Oregon.

†Kuo H. Lu, Ph.D., Professor of Medical Psychology (Dental School) (1971).

B.S. (1945), National Central (China); M.S. (1948), Ph.D. (1951), Minnesota.

†Oscar N. Lucas, Ph.D., Professor of Dentistry; Affiliate in Medicine (1968).

D.D.S. (1957), Buenos Aires; Ph.D. (1965), Saskatchewan.

†Henrik A. B. Lundh, M.D., Assistant Professor of Medicine (Veterans Hospital) (1965).

M.D. (1957), University of Washington.

†Robert C. Luther, M.D., Clinical Instructor in Psychiatry (1967).

A.B. (1955), Whitman; M.D. (1959), Oregon.

†William R. McAllister, M.D., Senior Clinical Instructor in Surgery (1967).

B.S. (1959), M.D. (1962), Northwestern.

† Volunteer.

‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Frank D. McBarron**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1955), Seattle University; M.D. (1959), Creighton.
- †**William H. McCarthy**, M.D., Clinical Instructor in Medicine (1970).
B.S. (1956), Gonzaga; M.D. (1959), Creighton.
- Elton L. McCawley**, Ph.D., Professor of Pharmacology (1949).
A.B. (1938), M.S. (1939), Ph.D. (1942), California.
- †**David McClure**, Ph.D., Assistant Clinical Professor of Environmental Medicine (1968).
B.S. (1958), Washington State; Ph.D. (1963), University of Washington.
- †**Guy R. McCutchan**, M.D., Assistant Clinical Professor of Medicine (1969).
B.S. (1929), Grand Island; M.D. (1931), Nebraska.
- †**Walter J. McDonald**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1972).
B.A. (1960), Williams; M.D. (1964), University of Michigan.
- †**James R. McDougall**, M.D., Clinical Instructor in Radiology (Diagnosis) (1968).
B.Sc. (1944), Manitoba; M.B. (1949), Laval.
- †**Maurice H. McDowell**, Th.D., Clinical Instructor in Psychiatry (Psychology) (1972).
A.B. (1943), Drury; B.D. (1946), Eden Theological; Th.D. (1963), Iliff.
- †**Robert A. McFarlane**, M.D., Clinical Instructor in Surgery (1971).
B.S. (1956), Lewis and Clark; M.D. (1960), Oregon.
- †**George D. McGeary**, M.D., Clinical Instructor in Continuing Medical Education (1970).
B.S. (1942), M.B. (1944), M.D. (1945), Minnesota.
- †**Murdoch E. McIntyre**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1945), M.D. (1947), Oregon.
- †**Frank E. McKeown**, D.M.D., Instructor in Dentistry (1971).
B.A. (1957), University of Washington; B.S. (1966), D.M.D. (1969), Oregon.
- †**Michael J. McKeown**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1972).
A.B. (1958), Dartmouth; M.D. (1961), Harvard.
- †**Robert G. McKillop**, M.D., Senior Clinical Instructor in Medicine and Orthopedics (1964).
B.A. (1949), Augustana; B.S. (1954), South Dakota; M.D. (1956), Northwestern.
- †**Donald McKinley**, M.D., Assistant Clinical Professor of Psychiatry (1958).
B.A. (1940), Reed; M.D. (1942), Oregon.
- †**Matthew McKirdie**, M.D., Clinical Professor of Surgery (1940).
B.S. (1929), Chicago; M.D. (1934), Rush (University of Chicago).
- †**Richard H. McLaren**, M.D., Clinical Instructor in Continuing Medical Education (1970).
M.D. (1954), Oregon.
- †**Edward N. McLean**, M.D., Associate Clinical Professor of Ophthalmology (1957).
M.D. (1948), Johns Hopkins.
- †**Raymond A. McMahon**, M.D., Associate Clinical Professor of Medicine (1938).
B.A. (1932), Ripon; M.D. (1937), Wisconsin.
- †**Wilbur P. McNulty**, M.D., Associate Professor of Pathology (Primate Center) (1964).
B.S. (1947), Michigan; M.D. (1952), Yale.
- †**Matthew B. Maberry**, D.V.M., Assistant Professor of Animal Care (1966).
B.S. (1946), D.V.M. (1947), Washington State.
- †**Laurence K. MacDaniels**, M.D., Associate Clinical Professor of Medicine (1949).
B.A. (1937), Reed; M.D. (1941), Oregon.
- †**Curtis A. Macfarlane**, M.D., Assistant Clinical Professor of Urology (1958).
B.A. (1949), M.D. (1951), Wisconsin.
- David W. Macfarlane**, M.D., Associate Professor of Pediatrics; Associate Professor, Crippled Children's Division (1956).
B.S. (1948), M.S., M.D. (1951), Illinois.
- Jean P. Macfarlane**, M.D., Assistant Professor of Medical Genetics; Assistant Professor, Crippled Children's Division (1969).
B.A. (1942), Mount Holyoke; M.D. (1948), Rochester.
- †**James L. Mack**, M.D., Assistant Clinical Professor of Medicine (1967).
B.S. (1959), Portland; M.D. (1961), St. Louis.
- †**William J. M. MacKenzie**, M.B., Ch.B., Assistant Clinical Professor of Psychiatry (1966).
M.B., Ch.B. (1946), Glasgow.
- R. Ellen Magenis**, M.D., Assistant Professor, Crippled Children's Division; Assistant Professor of Pediatrics (1970).
A.B. (1946), M.D. (1952), Indiana.
- †**Delmar J. Mahler**, Ph.D., Instructor in Medicine (Veterans Hospital) (1971).
B.S. (1949), M.S. (1951), Ph.D. (1958), Nebraska.
- †**Stephen W. Maks**, M.D., Clinical Instructor in Medicine (1959).
B.S. (1950), Portland; M.D. (1953), Creighton.
- †**Manuel R. Malinow**, M.D., Professor of Medicine (Primate Center) (1963).
B.S. (1938), Colegio Nacional de Buenos Aires; M.D. (1944), Buenos Aires Medical School.
- †**Arthur Malley**, Ph.D., Associate Professor of Microbiology (Primate Center) (1964).
B.A. (1953), B.S. (1957), San Francisco State; Ph.D. (1961), Oregon State.

† Volunteer.
‡ Part-time.

FACULTY

- †**Thomas S. Manaugh**, Ph.D., Instructor in Medical Psychology (1971).
A.B. (1965), California (Berkeley); M.S. (1969), Ph.D. (1971), Oregon.
- †**Leonora B. Manzano-Dantas**, M.D., Clinical Instructor in Medicine (1969).
M.D. (1963), University of the East (Philippines).
- †**Robert W. Marcum**, M.D., Associate Clinical Professor of Surgery (1951).
B.S. (1934), Pacific University; M.D. (1940), Oregon.
- †**R. Kent Markee**, M.D., Clinical Instructor in Surgery (1953).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- †**Richard E. Markley**, M.D., Senior Clinical Instructor in Ophthalmology (1953).
B.A. (1938), Denver; M.D. (1942), Colorado.
- John B. Marks**, Ph.D., Associate Professor of Psychiatry (Psychology) (1968).
S.B. (1938), Chicago; M.S. (1940), Wisconsin; Ph.D. (1952), California.
- †**Bernard Marquardt**, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1963), M.D. (1967), Wisconsin.
- Victor C. Marquardt, Jr.**, M.D., Associate Professor of Clinical Pathology (Medical Technology) (1964).
B.A. (1953), Wesleyan; M.D. (1957), Nebraska.
- †**Robert C. Marshall**, Ph.D., Assistant Clinical Professor of Speech Pathology (1969).
B.A. (1961), California (Santa Barbara); M.S. (1965), Oregon; Ph.D. (1969), Oklahoma.
- †**William R. Marshall**, M.D., Senior Clinical Instructor in Surgery (1970).
B.S. (1954), M.D. (1958), Alabama.
- †**Don Denman Martin**, M.D., Clinical Instructor in Dermatology (1969).
B.A. (1958), Texas Christian; M.D. (1962), Baylor.
- †**Marian M. Martin**, M.P.H., Senior Clinical Instructor in Public Health and Preventive Medicine (1967).
B.A. (1941), Reed; M.P.H. (1958), California.
- †**Rolland A. Martin**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1971).
B.S. (1947), Nebraska; M.D. (1949), Oregon.
- †**Charles L. Martinson**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1961), M.D. (1963), Oregon.
- †**Harry W. Masenhimer, Jr.**, M.D., Clinical Instructor in Medicine (1960).
B.A. (1949), Princeton; M.D. (1953), Johns Hopkins.
- †**Herbert E. Mason**, M.D., Instructor in Medicine (Veterans Hospital) (1969).
B.A. (1937), Reed; M.D. (1939), Oregon.
- Howard S. Mason**, Ph.D., Professor of Biochemistry (1952).
B.S. (1935), M.S. (1936), Ph.D. (1939), Massachusetts Institute of Technology.
- †**James A. Mason**, M.D., Senior Clinical Instructor in Orthopedics (1948).
B.S. (1930), M.D. (1932), Nebraska.
- †**Robert E. Mass**, M.D., Professor of Medicine (Veterans Hospital) (1957).
B.A. (1948), M.D. (1951), Oregon.
- †**John Clifton Massar**, M.D., Associate Clinical Professor of Dermatology (1955).
B.S. (1945), University of Washington; M.D. (1948), Oregon.
- †**Oliver N. Massengale**, M.D., Associate Clinical Professor of Pediatrics (1963).
B.A. (1951), Vanderbilt; M.D. (1955), Johns Hopkins.
- †**Adel Matar**, M.B., Clinical Instructor in Cardiopulmonary Surgery (1972).
M.B.B.Ch. (1951), Cairo (Egypt).
- Joseph D. Mattarazzo**, Ph.D., Professor of Medical Psychology; Chairman of Department (1957).
B.A. (1946), Brown; M.S. (1950), Ph.D. (1952), Northwestern.
- Ruth G. Matarazzo**, Ph.D., Professor of Medical Psychology (1957).
B.A. (1948), Brown; M.S. (1952), Ph.D. (1955), Washington University.
- †**Richard J. Mathewson**, D.D.S., Associate Professor of Dentistry (1968).
B.A. (1961), Central Michigan; D.D.S. (1959), Michigan.
- †**Willard L. Mathiesen**, M.D., Clinical Instructor in Surgery (1956).
M.D. (1945), College of Medical Evangelists (Loma Linda).
- †**Roy R. Matteri**, M.D., Associate Clinical Professor of Medicine (1946).
B.S. (1940), M.D. (1942), Creighton.
- †**Gordon L. Maurice**, M.D., Assistant Clinical Professor of Medicine (1949).
B.S. (1940), Washington State; M.D. (1943), Oregon.
- †**John Arthur May**, M.D., Clinical Professor of Pediatrics (1948).
B.A. (1939), University of Washington; M.D. (1943), Oregon.
- †**Roland M. Mayer**, M.D., Assistant Clinical Professor of Surgery (1967).
B.S. (1944), South Dakota; M.D. (1946), Northwestern.
- Ruth C. Meacham**, M.A., Instructor, Crippled Children's Division (1971).
B.A. (1971), California (Berkeley); M.A. (1970), U.C.L.A.

† Volunteer.
‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Thomas L. Meador**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1947).
B.A. (1921), M.A. (1924), M.D. (1937), Oregon; M.P.H. (1940), Yale.
- †**Norbert E. Medved**, M.D., Associate Clinical Professor of Medicine (1956).
B.S. (1946), M.D. (1948), Creighton.
- Robert J. Meechan**, M.D., Professor of Pediatrics (1956).
B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.
- †**Edward Colton Meek, Jr.**, M.D., Affiliate in Pathology (1953).
B.S. (1941), Oregon State; M.D. (1944), Johns Hopkins.
- †**S. Spence Meighan**, M.B., Assistant Clinical Professor of Medicine (1964).
M.B. (1945), Glasgow.
- †**Walter E. Melihoff**, M.D., Assistant Clinical Professor of Medicine (1967).
B.S. (1956), M.D. (1959), Oregon.
- Mary B. Meikle**, Ph.D., Assistant Professor of Otolaryngology and Medical Psychology (1972).
A.B. (1954), Vassar; M.S. (1967), University of Portland; Ph.D. (1969), Oregon.
- Clifford S. Melnyk**, M.D., Associate Professor of Medicine (1967).
M.D. (1959), British Columbia.
- Victor D. Menashe**, M.D., Professor and Associate Director of Crippled Children's Division, Professor of Pediatrics (1958).
B.S. (1951), M.D. (1953), Oregon.
- †**Robert A. Mendelson**, M.D., Associate Clinical Professor of Pediatrics (1964).
B.A. (1955), Reed; M.D. (1959), Oregon.
- †**Ruth L. Mercer**, M.A., Assistant Professor of Dietetics (1958).
B.A. (1941), Kansas; M.A. (1958), Columbia.
- †**Ralph G. Merrill**, D.D.S., M.Sc.D., Professor of Dentistry (1968).
D.D.S. (1959), University of Washington; M.Sc.D. (1963), Boston.
- James E. Merritt**, M.S.W., Instructor, Crippled Children's Division (1970).
B.A. (1949), M.S.W. (1951), University of Washington.
- James Metcalfe**, M.D., Professor of Medicine, Oregon Heart Association Chair of Cardiovascular Research (1961).
A.B. (1944), Brown; M.D. (1946), Harvard.
- †**Donald C. Mettler**, M.D., Assistant Clinical Professor of Otolaryngology (1956).
B.S. (1952), M.D. (1947), Indiana.
- Ernest A. Meyer**, Sc.D., Professor of Microbiology (1958).
B.S. (1949), California; M.S. (1953), Purdue; Sc.D. (1958), Johns Hopkins.
- †**James V. Meyer**, M.D., Senior Clinical Instructor in Surgery (1965).
B.A. (1948), M.D. (1953), Texas.
- Sam L. Meyer**, M.D., Associate Professor of Ophthalmology (1968).
B.A. (1957), Portland State; M.D., M.S. (1961), Oregon.
- †**Robert D. Michel**, M.D., Clinical Professor of Medicine (1958).
B.S. (1937), Northwestern; M.D. (1954), Oregon.
- †**Robert L. Mighell**, M.D., Assistant Clinical Professor of Psychiatry (1962).
B.A. (1950), M.D. (1953), Iowa.
- †**David B. Miller Jr.**, M.D., Senior Clinical Instructor in Surgery (1959).
B.A. (1949), Dartmouth; M.D. (1953), New York University.
- †**Bruce H. Miller**, M.D., Assistant Clinical Professor of Dermatology (1970).
B.A. (1959), Amherst; M.D. (1963), S.U.N.Y. (Downstate).
- †**Friedrich Miller**, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1961), M.D. (1964), S.U.N.Y. (Buffalo).
- Gerald W. Miller**, Ph.D., Associate Professor of Medical Psychology (1972).
B.S. (1962), Wisconsin State; Ph.D. (1967), Wisconsin.
- †**Glenn C. Miller**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1949), Oregon State; M.D. (1953), Washington University.
- Michael J. Miller**, M.D., Associate Professor of Pediatrics (1967).
B.S. (1955), Santa Clara; M.D. (1960), Oregon.
- †**Robert S. Miller**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1960).
B.A. (1951), Willamette; M.D. (1955), Oregon.
- †**William J. Miller**, M.D., Clinical Instructor in Pediatrics (1970).
B.S. (1940), Washburn; M.D. (1943), Washington University.
- †**Laurence W. Mills**, B.S., Instructor in Research Instrument Service (Good Samaritan Hospital) (1968).
B.S. (1958), Oregon.
- Emil Minker**, M.D., Ph.D., Visiting Associate Professor of Pharmacology (1971).
B.S. (1953), Ph.D. (1959), Szeged (Hungary); M.D. (1966), National Medical School (Hungary).
- †**John C. Misko**, M.D., Clinical Instructor in Neurosurgery (1969).
B.S. (1954), M.D. (1958), Oregon.
- †**Joseph C. Mitchell**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1958).
B.A. (1951), M.D. (1952), Oregon.

† Volunteer.
‡ Part-time.

FACULTY

- †**William Montagna**, Ph.D., D.Sc., Professor of Experimental Biology and Dermatology; Head of Division of Experimental Biology (Director, Oregon Regional Primate Center) (1963).
B.A. (1936), Ph.D. (1944), Cornell; D.Sc. (1960), Bethany.
- †**Thomas R. Montgomery**, M.D., Clinical Professor of Urology (1939).
B.A. (1928), M.D. (1932), Oregon.
- †**E. Albert Moody**, M.D., Assistant Clinical Professor of Pediatrics (1966).
A.B. (1939), California; M.D. (1943), Rochester.
- †**Raymond E. Moore**, M.D., Clinical Instructor in Family Practice (1958).
B.A. (1951), Reed; M.D. (1953), Oregon.
- Richard D. Moore**, M.D., Professor of Pathology; Chairman of Department (1969).
M.D. (1947), Western Reserve.
- †**Robert J. Moore**, M.D., Associate Clinical Professor of Urology (1960).
B.A. (1951), M.D. (1955), Oregon.
- ***Alan L. Morgenstern**, M.D., Associate Professor of Psychiatry (1965).
B.A. (1954), Cornell; M.D. (1959), Duke.
- †**James F. Morris**, M.D., Professor of Medicine (Veterans Hospital) (1957).
A.B. (1943), Ohio Wesleyan; M.D. (1948), Rochester.
- Robert Morris**, B.S., Instructor, Research Instrument Service (1968).
B.S. (1964), Portland State.
- †**Thomas E. Morris, Jr.**, M.D., Associate Clinical Professor of Medicine (1960).
B.A. (1938), Pacific University; M.D. (1952), Oregon.
- †**Carl V. Morrison**, M.D., Associate Clinical Professor of Psychiatry (Child Psychiatry) (1947).
M.D. (1933), Iowa.
- William E. Morton**, M.D., Dr.P.H., Professor of Public Health and Preventive Medicine; Acting Head of Division of Environmental Medicine (1967).
B.S. (1952), Puget Sound; M.D. (1955), University of Washington; M.P.H. (1960), Dr.P.H. (1962), Michigan.
- †**Donald G. Moyer**, M.D., Assistant Clinical Professor of Dermatology (1967).
B.S. (1952), M.D. (1955), Minnesota.
- †**Robert L. Mueller**, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1968).
B.S. (1946), M.D. (1948), Oregon.
- †**L. Lee Murdoch**, M.D., Assistant Clinical Professor of Pediatrics (1967).
B.A. (1957), Doane; M.D. (1960), Nebraska.
- †**Byron U. Musa**, M.D., Assistant Clinical Professor of Medicine (1971).
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- † Volunteer.
‡ Part-time.
* Leave of absence September 1, 1972 to August 31, 1973.
- James E. Musgrave**, M.D., Instructor in Pediatrics (1972).
A.B. (1961), Westminster; M.D. (1965), Washington University.
- †**Paul B. Myers**, M.D., Assistant Clinical Professor of Otolaryngology (1950).
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- †**Fred C. Nachtigal**, M.D., Clinical Instructor in Medicine (1969).
B.A. (1949), B.S. (1953), M.D. (1953), Minnesota.
- †**Joseph W. Nadal**, M.D., Assistant Clinical Professor of Surgery (1944).
A.B. (1932), Drury; M.D. (1937), Harvard; M.S. (1941), Michigan.
- †**George A. Nash**, M.D., Clinical Professor of Pediatrics (1954).
B.S. (1945), M.D. (1948), Oregon.
- †**Peter A. Nathan**, M.D., Clinical Instructor in Orthopedics (1970).
B.A. (1957), University College of Arts & Science (New York); B.M.S. (1959), M.D. (1963), Geneva.
- †**Jack Naylor**, M.D., Clinical Instructor in Surgery (1965).
B.A. (1951), Reed; M.S. (1952), Illinois Institute of Technology; M.D. (1957), Oregon.
- †**Wrendell Nealy**, M.D., Clinical Instructor in Family Practice (1972).
B.S. (1959), M.D. (1963), Louisiana State.
- †**William A. Neill**, M.D., Associate Professor of Medicine (Veterans Hospital) (1963).
B.A. (1951), Amherst; M.D. (1955), Cornell.
- C. Donald Nelson**, Ph.D., Associate Professor, Crippled Children's Division (1966).
B.S. (1953), M.S. (1957), Utah; Ph.D. (1965), University of Washington.
- †**James D. Nelson**, M.D., Clinical Instructor in Orthopedics (1969).
B.A. (1958), Drake; M.D. (1962), State University of Iowa.
- †**Richard I. Newman**, Ph.D., Clinical Instructor in Psychiatry (Psychology) (1971).
B.A. (1966), California State; M.S. (1968), Ph.D. (1971), Washington State.
- †**Burritt W. Newton**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1968).
B.A. (1957), Ohio State; M.D. (1961), Western Reserve.
- †**H. Minor Nichols**, M.D., Senior Clinical Instructor in Surgery (1940).
Ph.B. (1930), Yale; M.D. (1934), Oregon; M.S. (1937), Pennsylvania.
- Kenneth A. Niehans**, B.A., Director of Public Affairs; Associate Professor (1963).
B.A. (1957), Oregon.
- Nelson R. Niles**, M.D., Professor of Pathology (1952).
M.D. (1947), Cornell.

MEDICAL SCHOOL FACULTY

- †**Lawrence Noall**, M.D., Associate Clinical Professor of Orthopedics (1941).
B.A. (1931), B.M. (1934), Utah; M.D. (1936), Northwestern.
- †**James E. Noble**, M.D., Clinical Instructor in Pediatrics (1968).
B.A. (1959), M.S., M.D. (1962), Oregon.
- †**Joseph E. Nohlgren**, M.D., Affiliate in Pathology (1949).
B.S. (1935), South Dakota; M.D. (1943), Oregon.
- †**Fred M. Nomura**, M.D., Clinical Instructor in Pediatrics (1972).
M.D. (1962), University of Washington.
- †**Miles J. Novy**, M.D., Associate Professor of Obstetrics and Gynecology (1970).
B.A. (1954), Yale; M.D. (1963), Harvard.
- James H. O'Brien**, Ph.D., Associate Professor of Medical Psychology (1968).
B.A. (1959), M.A. (1963), Ph.D. (1966), Michigan.
- †**Ralph D. Odell**, M.D., Senior Clinical Instructor in Surgery (1968).
B.S. (1940), Northwestern; M.A. (1941), Michigan; B.A. (1943), M.D. (1947), Oregon.
- †**Frederick J. Oerther**, M.D., Clinical Instructor in Medicine (1971).
B.A. (1958), Michigan; M.D. (1963), Wayne State.
- Evelyn L. Oginsky**, Ph.D., Professor of Microbiology (1957).
B.A. (1938), Cornell; M.S. (1939), Chicago; Ph.D. (1946), Maryland.
- †**John D. O'Hollaren**, M.D., Assistant Clinical Professor of Medicine (1959).
B.S. (1945), M.D. (1947), Oregon.
- †**Jay F. O'Leary**, M.D., Assistant Clinical Professor of Pediatrics (1967).
A.B. (1954), Harvard; M.D. (1958), University of Washington.
- †**Arthur Oleinick**, M.D., Associate Professor of Public Health and Preventive Medicine (1971).
A.B. (1957), M.P.H. (1959), Michigan; M.D. (1962), Johns Hopkins.
- Richard W. Olmsted**, M.D., Professor of Pediatrics; Chairman of Department (1962).
B.A. (1941), Dartmouth; M.D. (1944), Harvard.
- George D. Olsen**, M.D., Assistant Professor of Pharmacology; Instructor in Medicine (1970).
A.B. (1962), B.M.S. (1964), Dartmouth; M.D. (1966), Harvard.
- †**Thomas E. Olsen**, M.D., Assistant Professor of Pediatrics (1969).
B.S. (1960), Lewis and Clark; M.D. (1964), Oregon.
- †**Donald E. Olson**, M.D., Ph.D., Associate Clinical Professor of Medicine (1955).
B.A. (1943), Reed; M.S., M.D. (1947), Ph.D. (1948), Oregon.
- †**Donald Roy Olson**, M.D., Clinical Instructor in Medicine (1969).
B.A. (1959), Carroll; M.D. (1963), Oregon.
- †**William R. Olson**, M.D., Senior Clinical Instructor in Medicine (1961).
B.S. (1950), M.D. (1954), Creighton.
- †**Robert W. Olwine**, M.D., Senior Clinical Instructor in Surgery (1968).
A.B. (1953), Hamilton; M.D. (1957), Virginia.
- †**James R. Orendurff**, M.D., Affiliate in Pathology (Veterans Hospital) (1964).
B.A. (1950), M.A. (1954), M.D. (1959), Oregon.
- †**Samuel B. Osgood**, M.D., Associate Clinical Professor of Public Health and Preventive Medicine (1951).
B.S. (1931), M.D. (1935), Oregon; M.S.P.H. (1939), California.
- †**Richard J. O'Shea**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1945), Oregon State; M.D. (1947), Oregon.
- Harold T. Osterud**, M.D., Professor of Public Health and Preventive Medicine; Chairman of Department (1961).
B.S. (1944), Randolph Macon; M.D. (1947), Medical College of Virginia; M.P.H. (1951), North Carolina.
- †**Richard D. O'Toole**, M.D., Assistant Clinical Professor of Medicine (1971).
B.A. (1956), Williams; M.D. (1963), Cornell.
- †**Arthur L. Ovregaard**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1954).
B.A. (1944), College of Idaho; M.D. (1948), Oregon.
- †**James G. Owen**, M.D., Clinical Instructor in Surgery (1971).
B.S. (1940), Monmouth; M.D. (1943), Washington University.
- †**Albert A. Oyama**, M.D., Clinical Professor of Clinical Pathology; Affiliate in Pathology (1959).
B.S. (1951), M.D. (1953), Oregon.
- †**Otto C. Page**, M.D., Associate Clinical Professor of Medicine (1952).
B.S. (1941), M.D. (1944), Boston.
- †**Morton Palken**, M.D., Assistant Clinical Professor of Urology (1971).
M.D. (1946), Tufts.
- †**Marion E. Palmer**, M.D., Clinical Instructor in Anesthesiology (1950).
B.S. (1938), Stanford; M.D. (1944), Washington University.
- †**Edwin G. Palmrose**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1942), M.D. (1944), Oregon.

† Volunteer.
‡ Part-time.

FACULTY

- †James L. Palotay, D.V.M., Associate Professor of Pathology (Primate Center) (1968).
D.V.M. (1950), Kansas State; M.S. (1958), Colorado State.
- †Kenneth G. Paltrow, M.D., Assistant Clinical Professor of Psychiatry (1967).
B.A. (1954), Cornell; M.D. (1958), New York Medical College.
- †Richard P. Panian, M.D., Senior Clinical Instructor in Otolaryngology (1965).
B.S. (1952), Oregon State; M.D. (1960), Oregon.
- †Richard O. Panzer, M.D., Clinical Instructor in Psychiatry (1968).
B.S. (1959), Oregon State; M.D. (1962), Oregon.
- †Joseph F. Paquet, M.D., Assistant Clinical Professor of Medicine (1944).
M.D. (1940), Duke.
- †Paul F. Parakkal, Ph.D., Associate Professor of Dermatology (Primate Center) (1969).
B.Sc. (1952), Kerala (India); M.Sc. (1958), McGill; Ph.D. (1962), Brown.
- M. R. Parelius, M.Sc., LL.B., Business Manager; Associate Professor (1962).
B.B.A. (1953), Oregon; M.Sc. (1954), New York University; LL.B. (1962), Northwestern College of Law.
- †Richard I. Park, D.M.D., Instructor in Dentistry (1971).
B.S. (1961), D.M.D. (1967), Oregon.
- †Richard B. Parker, Ph.D., Affiliate in Microbiology (Oral Biology and Microbiology, Dental School) (1969).
B.S. (1950), M.S. (1952), Ph.D., (1956), Oregon State.
- †Robert S. Parker, D.M.D., Associate Professor of Dentistry (1966).
D.M.D. (1939), Oregon.
- Rose Marie Parker, Instructor in Clinical Pathology (Medical Technology) (1967).
- †Max H. Parrott, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).
B.S. (1938), Oregon State; M.D. (1940), Oregon; M.S. (1949), Michigan.
- †Philip F. Parshley, Jr., M.D., Assistant Clinical Professor of Surgery (1964).
A.B. (1953), Dartmouth; M.D. (1956), Harvard.
- †William R. Parsons, M.D., Clinical Instructor in Neurosurgery (1970).
B.A. (1956), Vanderbilt; M.D. (1960), Baylor.
- †John W. Partridge, M.D., Senior Clinical Instructor in Medicine (1957).
B.S. (1943), M.D. (1945), Chicago.
- †Guy A. Parvaresh, M.D., Associate Clinical Professor of Psychiatry (1965).
M.D. (1956), Tehran (Iran).
- †Linda M. Pasztor, Ph.D., Assistant Professor of Dermatology (Primate Center) (1971).
B.A. (1956), Hunter; M.A. (1957), Columbia; Ph.D. (1967), Oregon.
- †Robert W. Patton, M.D., Clinical Instructor in Surgery (1951).
B.S. (1936), St. Martin's; M.D. (1942), Creighton.
- †David P. Paull, M.D., Associate Clinical Professor of Urology (1953).
B.A. (1942), Antioch; M.D. (1945), Western Reserve.
- †Duane R. Paulson, D.D.S., Professor of Dentistry (1957).
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- Ira B. Pauly, M.D., Professor of Psychiatry (1962).
B.A. (1954), M.D. (1958), U.C.L.A.
- Harold D. Paxton, M.D., Professor of Neurosurgery; Head of Division (1956).
M.D. (1948), Johns Hopkins.
- †Roy A. Payne, M.D., Assistant Clinical Professor of Medicine (1960).
B.S. (1953), Portland; M.D. (1955), Oregon.
- Harper D. Pearce, M.D., Assistant Professor of Urology (1971).
B.S. (1960), M.D. (1963), Utah.
- †Anthony G. Peck, M.D., Clinical Instructor in Radiology (Diagnosis) (1972).
A.B. (1963), Johns Hopkins; M.D. (1967), Pennsylvania.
- †George A. Peirson, M.D., Assistant Clinical Professor of Physical Medicine and Rehabilitation (1966).
B.A. (1945), Oregon State; M.D. (1947), Oregon.
- †Merle Pennington, M.D., Clinical Instructor in Family Practice (1970).
M.D. (1944), Oregon.
- Martin L. Pernoll, M.D., Associate Professor of Obstetrics and Gynecology; Head, Division of Perinatology (1970).
B.S. (1962), Oregon; M.D. (1963), Texas (Galveston).
- †Frank Perlman, M.D., Clinical Professor of Medicine (1935).
B.S. (1931), M.D. (1933), Wisconsin.
- †Eugene R. Perrin, M.D., Clinical Instructor in Surgery (1971).
A.B. (1955), Miami (Ohio); M.D. (1959), Cornell.
- †Bruce A. Peters, M.D., Clinical Instructor in Anesthesiology (1968).
B.S. (1957), Oregon State; M.D. (1961), Oregon.
- Walter A. Petersen, M.S., Assistant Professor of Physiology; Director of Computer Center (1968).
B.S. (1957), California Institute of Technology; M.S. (1968), Portland State.
- Clare G. Peterson, M.D., Professor of Surgery (1944).
B.A. (1939), M.D. (1943), M.S. (1945), Oregon.

† Volunteer.

‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Heyes Peterson, M.D.**, Assistant Clinical Professor of Medicine (1947).
B.S. (1934), University of Washington; M.D. (1938), Chicago.
- †**Lee H. Peterson, M.D.**, Clinical Instructor in Ophthalmology (1971).
B.S. (1961), Oregon; M.D. (1965), Tulane.
- †**James L. Petroske, M.D.**, Clinical Instructor in Psychiatry (1965).
B.S. (1955), Portland; M.D. (1959), Oregon.
- †**Carl A. Petterson, M.D.**, Clinical Instructor in Medicine (1957).
B.A. (1938), M.D. (1942), Kansas.
- †**Ronald W. Philips, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1966).
B.S. (1950), Pepperdine; M.D. (1955), College of Medical Evangelists (Loma Linda).
- David S. Phillips, Ph.D.**, Associate Professor of Medical Psychology (1963).
A.B. (1958), Wabash; M.S. (1960), Ph.D. (1962), Purdue.
- †**Richard H. Phillips, M.D.**, Assistant Clinical Professor of Psychiatry (1964).
B.S. (1959), Portland State; M.D. (1960), Oregon.
- †**Charles H. Phoenix, Ph.D.**, Professor of Medical Psychology (Primate Center) (1965).
B.A. (1945), Connecticut; M.A. (1950), Ph.D. (1954), Boston.
- †**Wayne M. Pidgeon, M.D.**, Assistant Clinical Professor of Psychiatry (1959).
B.S. (1947), M.D. (1951), Oregon.
- †**Allan R. Pike, D.D.S., M.S.**, Assistant Clinical Professor of Dentistry (1969).
D.D.S. (1962), Marquette; M.S. (1969), Oregon.
- Bernard Pirofsky, M.D.**, Professor of Medicine; Head of Division of Immunology and Allergy (1956).
A.B. (1946), M.D. (1950), New York University.
- †**Robert G. Pittenger, M.D.**, Assistant Clinical Professor of Medicine (1957).
B.S. (1948), M.D. (1950), Oregon.
- †**G. Wayne Plummer, B.D.**, Clinical Instructor in Psychiatry (1970).
B.M. (1949), Westminster Choir College; B.D. (1952), Princeton.
- †**James M. Pomeroy, M.D.**, Assistant Clinical Professor of Pediatrics (1966).
B.S. (1936), M.D. (1941), Louisiana State.
- †**John Karl Poppe, M.D.**, Senior Clinical Instructor in Cardiopulmonary Surgery (1946).
A.B. (1933), Hamilton; M.D. (1937), Rochester.
- †**Donald R. Porter, D.D.S.**, Professor of Dentistry (1953).
D.D.S. (1951), M.S. (1953), Michigan.
- George A. Porter, M.D.**, Associate Professor of Medicine; Chief, Section of Renology (1964).
B.S. (1953), Oregon State; M.S., M.D. (1957), Oregon.
- John M. Porter, M.D.**, Assistant Professor of Surgery (1971).
M.D. (1963), Duke.
- †**Oscar W. Portman, M.D.**, Professor of Biochemistry (Primate Center) (1965).
B.S. (1945), U. S. Military Academy; M.D. (1954), Harvard.
- †**Robert H. Post, M.D.**, Senior Clinical Instructor in Orthopedics (1968).
A.B. (1956), Princeton; M.D. (1960), Cornell.
- William H. Prentice, Director of Program Planning; Assistant Professor (1970).**
- †**Gerald H. Prescott, D.D.S.**, Associate Professor of Medical Genetics (Dental School) (1968).
B.S. (1959), College of Idaho; D.D.S. (1964), Washington University; M.S. (1966), Indiana.
- †**Edward Press, M.D.**, Clinical Professor of Pediatrics and Public Health and Preventive Medicine (1968).
B.A. (1934), Ohio; M.D. (1937), New York University; M.P.H. (1947), Harvard.
- †**William E. Purnell, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1966).
M.D. (1948), Boston.
- †**Irving Puziss, M.D.**, Clinical Instructor in Surgery (1956).
B.S. (1946), M.D. (1948), Oregon.
- †**William J. Pyrch, M.D.**, Clinical Instructor in Family Practice (1967).
B.A. (1947), British Columbia; M.D. (1951), Oregon.
- †**Robert Quinton-Cox, Ph.D.**, Associate Professor of Anatomy (Dental School) (1968).
F.I.M.L.T. (1954), Sir John Mass (London); I.N.T.B.Sc. (1956), Woolwich Poly (London); Ph.D. (1963), Emory.
- †**John Raaf, M.D., Ph.D.**, Clinical Professor of Neurosurgery (1937).
B.A. (1926), M.D. (1930), Stanford; M.S. (1935), Ph.D. (1941), Minnesota.
- †**S. Frederick Rabiner, M.D.**, Associate Professor of Medicine (Good Samaritan Hospital) (1971).
B.S. (1949), Tulane; M.D. (1952), S.U.N.Y.
- Shabudin Rahimtoola, M.B.**, Professor of Medicine (1972).
M.B., B.S. (1954), Dow (Pakistan); M.R.C.P.E. (1963), Royal College of Physicians (Scotland).
- †**James Richard Raines, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1947).
B.A. (1933), M.D. (1935), Oklahoma.

† Volunteer.
‡ Part-time.

FACULTY

- † **Alfred J. Rampone**, Ph.D., Professor of Physiology (1955).
B.A. (1947), M.A. (1950), British Columbia; Ph.D. (1954), Northwestern.
- † **Robert M. Rankin**, M.D., Clinical Instructor in Orthopedics (1954).
B.A. (1944), Reed; M.D. (1946), Oregon.
- † **Richard R. Ranney**, D.D.S., Assistant Professor of Dentistry (1970).
D.D.S. (1963), Iowa; M.S. (1969), Rochester.
- † **Robert E. Ransmeier**, M.D., Ph.D., Assistant Clinical Professor of Psychiatry (1965).
B.S. (1946), M.Sc. (1949), Ph.D. (1953), Chicago; M.D. (1957), Colorado.
- † **Robert Rapp**, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1958), Dartmouth; M.D. (1964), Hahnemann.
- Abdel L. Rashad**, M.D., Ph.D., Associate Professor of Clinical Pathology (1969).
M.D. (1959), Cairo; M.S., Ph.D. (1966), University of Washington.
- † **Michael R. Rask**, M.D., Clinical Instructor in Orthopedics (1965).
B.S. (1952), Oregon State; M.D. (1955), Oregon.
- † **L. Paul Rasmussen**, M.D., Professor of Pediatrics; Professor, Crippled Children's Division (1962).
B.A. (1932), Utah; M.D. (1935), Duke.
- † **May E. Rawlinson**, Ph.D., Associate Professor of Medical Psychology (1971).
B.S. (1943), Oregon; M.A. (1964), Ph.D. (1970), University of Portland.
- † **Jesse L. Ray**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1953).
B.A. (1935), M.D. (1939), Stanford.
- † **Leon F. Ray**, M.D., Clinical Professor of Dermatology (1939).
Ph.C. (1930), North Pacific College of Pharmacy; B.S. (1931), Oregon State; M.D. (1935), Oregon.
- † **Ralph B. Reaume**, M.D., Associate Clinical Professor of Medicine (1959).
M.D. (1953), Washington University.
- † **Edgar M. Rector**, M.D., Clinical Professor of Pediatrics (1946).
S.B. (1937), Haverford; M.D. (1941), Harvard.
- † **Charles E. Reed**, M.D., Clinical Instructor in Continuing Medical Education (1970).
M.D. (1961), Southern California.
- † **Daniel L. Reed**, M.D., Senior Clinical Instructor in Surgery (1964).
B.S. (1952), Michigan State; M.D. (1956), Michigan.
- † **Melvin M. Reeves**, M.D., Clinical Instructor in Surgery (1957).
B.S. (1943), Hamline; B.M. (1946), M.D. (1947), M.S. (1957), Minnesota.
- † **Jerome M. Reich**, M.D., Clinical Instructor in Medicine (1970).
A.B. (1958), New York University; M.D. (1962), S.U.N.Y. (Syracuse).
- † **Philip J. Reilly**, M.D., Assistant Clinical Professor of Neurology (1959).
B.S. (1949), St. Thomas; M.D. (1953), Marquette.
- † **Gerald R. Reimer**, M.D., Assistant Clinical Professor of Neurology (1967).
B.S. (1963), Oklahoma State; M.D. (1963), Oklahoma.
- † **Walter C. Reiner**, M.D., Assistant Clinical Professor of Surgery (1948).
B.S. (1930), Montana State University; M.D. (1934), College of Medical Evangelists (Loma Linda).
- Julian S. Reinschmidt**, M.D., Professor of Public Health and Preventive Medicine; Coordinator, Oregon Regional Medical Program (1970).
B.A. (1950), M.D. (1953), Vanderbilt.
- † **Delbert L. Remy**, M.D., Clinical Instructor in Family Practice (1971).
A.A. (1959), Clark; B.S. (1962), M.D. (1964), Oregon.
- † **John A. Resko**, Ph.D., Associate Professor of Physiology (Primate Center) (1965).
B.A. (1955), St. Charles Seminary; M.S. (1960), Marquette; Ph.D. (1963), Illinois.
- † **Dale C. Reynolds**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1948), Michigan; M.D. (1952), Nebraska.
- † **Patrick J. Reynolds**, Ph.D., Assistant Professor of Physiology (Dental School) (1972).
B.S. (1961), Gonzaga; Ph.D. (1971), Oregon.
- † **Carolyn Rice**, M.A., M.L.S., Library; Instructor (1971).
B.A. (1962), Howard; M.A. (1964), Chicago; M.L.S. (1970), Oregon.
- Thomas C. Richards**, Ph.D., Assistant Professor of Anatomy (1972).
B.S. (1965), M.S., (1967), Idaho; Ph.D. (1971), Michigan.
- † **Norman H. Rickles**, D.D.S., Professor of Dentistry (Dental School) (1957).
D.D.S. (1947), Washington University; M.S. (1951), California.
- † **Forrest E. Rieke**, M.D., Assistant Clinical Professor of Environmental Medicine (1971).
B.A. (1937), Oregon State; M.D. (1939), Oregon.
- Demetrios A. Rigas**, Ph.D., Professor of Biochemistry and Medical Genetics (1953).
Ch.E. (1941), Ph.D. (1943), National University of Engineering Science, Athens.
- William K. Riker**, M.D., Professor of Pharmacology; Chairman of Department (1969).
B.A. (1949), Columbia; M.D. (1953), Cornell.
- † **James A. Riley**, M.D., Associate Clinical Professor of Medicine (1949).
B.A. (1941), Oregon State; M.D. (1943), Oregon.

† Volunteer.
‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Robert E. Rinehart**, M.D., Assistant Clinical Professor of Medicine (1953).
B.S. (1937), Oregon State; M.S., M.D. (1942), Oregon.
- ***Marvin B. Rittenberg**, Ph.D., Associate Professor of Microbiology and Medicine (1966).
B.A. (1954), M.A. (1959), Ph.D. (1961), California.
- †**Leonard W. Ritzmann**, M.D., Professor of Medicine (Veterans Hospital) (1954).
B.A. (1942), Valparaiso; M.D. (1945), Washington University.
- †**G. Alvin Roberts**, M.D., Clinical Instructor in Family Practice (1971).
A.B. (1940), College of Idaho; M.D. (1945), St. Louis.
- †**Joseph M. Roberts**, M.D., Senior Clinical Instructor in Surgery (1936).
B.A. (1929), M.D. (1932), Oregon.
- †**Peter H. R. Roberts**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1959), Oregon State; M.D. (1962), Oregon.
- †**Wayne E. Roberts**, M.D., Clinical Instructor in Family Practice (1971).
M.D. (1951), Washington University.
- †**Keith A. Robertson**, M.D., Assistant Clinical Professor of Surgery (1966).
B.S. (1956), M.D. (1960), Oregon.
- Ralph D. Robertson**, M.D., Associate Professor of Surgery (1964).
A.B. (1954), M.D. (1957), Harvard.
- †**William E. Robertson**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1960), Gonzaga; M.D. (1964), St. Louis University.
- †**George M. Robins**, M.D., Assistant Clinical Professor of Medicine (1948).
B.A. (1936), Columbia; M.D. (1940), Louisville.
- †**Edwin G. Robinson**, M.D., Senior Clinical Instructor in Orthopedics (1950).
M.D. (1930), Northwestern.
- †**Richard C. Robinson**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1942), B.A. (1942), M.D. (1944), Chicago.
- †**J. Michael Roddy**, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).
M.D. (1957), Creighton.
- Nancy A. Rodich**, M.L.S., Catalog Librarian; Assistant Professor (1968).
B.A. (1953), M.L.S. (1968), Oregon.
- †**Thomas L. W. Roe**, M.D., Assistant Clinical Professor of Pediatrics (1967).
B.S. (1959), Oregon State; M.D. (1961), Oregon.
- Allan L. Rogers**, B.S., Director of Animal Care Program; Associate Professor (1961).
B.S. (1944), Connecticut.
- †**Richard C. Rogers**, M.D., Clinical Instructor in Cardio-pulmonary Surgery (1970).
B.A. (1956), M.D. (1960), Harvard.
- †**Wayne R. Rogers**, M.D., Associate Clinical Professor of Medicine (1956).
M.D. (1947), Tennessee.
- †**Troy G. Rollins**, M.D., Associate Clinical Professor of Dermatology (1966).
B.S. (1945), M.B. (1946), M.D. (1948), M.S. (1958), Minnesota.
- †**Richard A. Romaine**, M.D., Assistant Clinical Professor of Dermatology (1970).
B.S. (1957), M.D. (1960), Oregon.
- †**Donald V. Romanaggi**, M.D., Assistant Clinical Professor of Medicine (1966).
B.S. (1956), Portland; M.D. (1960), Loyola.
- Gary J. Rood**, M.A., Administrator, Medical School Hospital; Assistant Professor (1967).
B.S. (1961), Walla Walla; M.A. (1964), Iowa.
- Josef Rösch**, M.D., Professor of Radiology (Diagnosis) (1970).
M.U.Dr. (1950), Dr. M.Sci. (1965), Charles (Prague).
- †**Leonard B. Rose**, M.D., Associate Clinical Professor of Medicine (1956).
A.B. (1939), New York University; M.D. (1943), Georgetown.
- †**Edward E. Rosenbaum**, M.D., Clinical Professor of Medicine; Acting Head of Division of Rheumatology (1948).
B.S. (1936), M.D. (1938), Nebraska; M.S. (1947), Minnesota.
- †**William M. Rosenbaum**, M.D., Clinical Instructor in Surgery (1949).
B.S. (1938), M.D. (1940), Nebraska.
- †**Millard S. Rosenblatt**, M.D., Clinical Professor of Surgery (1930).
A.B. (1922), Stanford; M.D. (1925), Harvard.
- Heather G. Rosenwinkel**, M.A., Reference Librarian; Assistant Professor (1965).
B.A. (1959), Bishop's University (Ontario); M.A. (1966), Minnesota.
- Benjamin B. Ross**, Ph.D., Professor of Physiology (1954).
B.S. (1949), Union; Ph.D. (1954), Rochester.
- †**William Ross**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1951), Willamette; M.D. (1955), Oregon.
- John Gordon Roth**, M.D., Associate Professor of Neurology (1958).
A.B. (1947), Wichita; M.D. (1950), Kansas.
- †**Gary Rothenberger**, M.D., Clinical Instructor in Surgery (1971).
B.A. (1961), M.D. (1965), Oregon.
- †**Willard D. Rowland**, M.D., Assistant Clinical Professor of Surgery (1947).
A.B. (1936), M.D. (1940), Washington University.

† Volunteer.

* Leave of absence June 1, 1972 to January 1, 1973.

FACULTY

- †**David R. Rullman**, M.D., Assistant Clinical Professor of Medicine (1964).
B.S. (1953), M.D. (1957), Cincinnati.
- †**Irvin F. Rumbaugh**, M.D., Assistant Clinical Professor of Medicine (1963).
B.S. (1951), Franklin and Marshall; M.D. (1955), Pennsylvania.
- †**John B. Rush**, M.D., Clinical Instructor in Medicine (1971).
B.A. (1958), M.D. (1962), Baylor.
- †**Donald S. Rushmer**, Ph.D., Instructor in Neurology (Good Samaritan Hospital) (1969).
B.S. (1965), Antioch; Ph.D. (1969), Rochester.
- †**Paul S. Russell**, M.D., Assistant Clinical Professor of Dermatology (1969).
B.A. (1956), M.D. (1957), Texas.
- †**Arnold Rustin**, M.D., Assistant Clinical Professor of Urology (1954).
M.D. (1950), Iowa.
- †**Bernard F. Ryan**, M.D., Associate Professor of Dermatology (1960).
B.A. (1934), M.D. (1936), Oregon; M.S. (1945), Minnesota.
- †**Russell N. Sacco**, M.D., Clinical Instructor in Urology (1968).
B.S. (1957), M.D. (1960), Wisconsin.
- Segundina A. Saga**, M.D., Instructor in Anesthesiology (1972).
M.D. (1971), Philippines.
- †**Muhammad Sajid**, M.B.B.S., Clinical Instructor in Neurology (1971).
F.Sc. (1946), M.A.O. College (India); M.B.B.S. (1954), Dow (India).
- †**William M. Sammons**, M.D., Clinical Instructor in Family Practice (1971).
M.D. (1950), Tulane.
- Marianne Sanders**, M.D., Instructor in Family Practice (1970).
B.S. (1966), M.D. (1969), Oregon.
- †**Ivan L. Sandoz**, M.D., Assistant Clinical Professor of Urology (1964).
B.Sc. (1953), M.D. (1957), Ohio State.
- George Saslow**, M.D., Ph.D., Professor of Psychiatry; Chairman of Department (1957).
Sc.B. (1926), Ph.D. (1931), New York University; M.D. (1940), Harvard.
- Makoto Sato**, M.D., Ph.D., Associate Professor of Neurosurgery (1965).
M.D. (1954), Ph.D. (1959), Iwate Medical College (Japan).
- †**George R. Satterwhite**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1959).
B.S. (1950), Seattle University; M.D. (1953), St. Louis.
- †**James A. Saunders**, M.D., Senior Clinical Instructor in Ophthalmology (1967).
B.S. (1957), Portland State; M.D., (1960), Oregon.
- †**Thomas S. Saunders**, M.D., Clinical Professor of Dermatology (1937).
Ph.G. (1928), B.S. (1930), M.D. (1932), Maryland; M.S. (1937), Minnesota.
- †**Bhim S. Savara**, D.M.D., Professor of Dentistry (1950).
B.D.S. (1946), De Montmorency College of Dentistry, Lahore (India); L.D.S., R.C.S. (1947), Royal Dental Hospital, London; M.S. (1950), Illinois; D.M.D. (1957), Oregon.
- †**Clinton B. Sayler**, M.D., Clinical Instructor in Radiology (Diagnosis) (1971).
B.S. (1954), University of Washington; M.D. (1958), Stanford.
- †**Paul E. Schaff**, M.D., Clinical Instructor in Anesthesiology (1959).
B.S. (1942), Idaho; M.D. (1951), Oregon.
- †**John S. Schaub**, M.D., Clinical Instructor in Medicine (1972).
B.A. (1959), Lewis and Clark; M.D. (1964), Oregon.
- †**John F. Schilke**, M.D., Clinical Instructor in Pediatrics (1970).
B.A. (1961), M.D. (1965), Yale.
- †**James R. Schimschock**, M.D., Assistant Clinical Professor of Neurology (1968).
B.A. (1957), M.D. (1961), Minnesota.
- Alexander J. Schleuning**, M.D., Associate Professor of Otolaryngology (1967).
B.A. (1956), Stanford; M.D. (1960), Oregon.
- †**Alfred J. Schroeder**, M.D., Clinical Instructor in Otolaryngology (1967).
B.A. (1951), Michigan State; M.D. (1957), Michigan.
- †**Charles L. Schroff**, M.D., Clinical Instructor in Family Practice (1971).
A.B. (1954), M.D. (1957), Kansas.
- †**George J. Schunk**, M.D., Clinical Professor of Pediatrics (1954).
A.B. (1943), Jamestown; B.S. (1944), North Dakota; M.D. (1946), Illinois.
- †**Marvin Schwartz**, M.D., Clinical Professor of Medicine (1945).
A.B. (1935), M.D. (1939), M.S. (1945), Wayne State.
- †**Edward M. Scott**, Ph.D., Associate Professor of Psychiatry (1968).
B.A. (1946), Notre Dame; M.S. (1951), Ph.D. (1953), Portland.
- †**L. William Scott**, M.D., Clinical Instructor in Continuing Medical Education (1971).
B.A. (1943), Oregon State; M.D. (1947), Oregon.
- Marcia C. Scott**, M.D., Assistant Professor of Psychiatry (1971).
B.A. (1952), M.D. (1956), U.C.L.A.

† Volunteer.

MEDICAL SCHOOL FACULTY

- †**William C. Scott**, M.D., Assistant Clinical Professor of Medicine (1946).
B.S. (1935), College of Idaho; B.M. (1939), M.D. (1940), Northwestern.
- Stephen W. J. Seager**, M.V.B., Assistant Professor of Animal Care (1968).
B.A. (1964), M.V.B. (1966), Trinity College (Dublin).
- Arthur J. Seaman**, M.D., Professor of Medicine; Head of Division of Hematology (1948).
B.A. (1939), M.D. (1942), Cincinnati.
- Geoffrey V. F. Seaman**, Ph.D., Associate Professor of Biochemistry and Neurology (Neurochemistry) (1966).
B.Sc. (1955), Royal College of Science (London); Ph.D. (1959), Cambridge.
- †**Richard Selden**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1972).
B.A. (1961), Northwestern; M.D. (1965), Harvard.
- †**Philip Selling**, M.D., Clinical Professor of Medicine (1946).
B.A. (1935), Reed; M.D. (1939), Oregon.
- †**Herbert J. Semler**, M.D., Assistant Clinical Professor of Medicine (1960).
B.S. (1949), University of Washington; M.S., M.D. (1953), Oregon.
- †**Will L. Senders**, M.D., Assistant Clinical Professor of Medicine (1957).
B.S. (1947), Willamette; M.D. (1950), Oregon.
- †**Joel L. Seres**, M.D., Associate Clinical Professor of Neurosurgery (1968).
B.S. (1954), Delaware; M.D. (1958), Jefferson.
- †**David L. Sessions**, M.D., Assistant Clinical Professor of Psychiatry and Pediatrics (1964).
A.B. (1954), Princeton; M.D. (1958), Washington University.
- †**Jon C. Sewell**, M.D., Clinical Instructor in Radiology (Diagnosis) (1969).
M.D. (1963), Arkansas.
- Harry Shaich**, M.S., Assistant Professor of Radiology (Therapy) (Radiation Physics) (1962).
B.E.E. (1948), Cornell; M.S. (1958), State College, New York; M.S. (1962), Columbia.
- †**Ralph E. Shambaugh**, M.D., Assistant Clinical Professor of Medicine (1960).
M.D. (1948), Nebraska.
- Linda Shanbeck**, M.S., Affiliate in Public Health and Preventive Medicine (1972).
B.S. (1971), M.S. (1972), Oregon.
- †**John M. Shaw**, M.D., Associate Clinical Professor of Dermatology (1959).
M.D. (1949), Michigan.
- Kirtikant V. Sheth**, M.B.B.S., Assistant Professor of Clinical Pathology (1971).
M.B.B.S. (1964), Seth Medical College (India).
- †**Paul E. Shick**, M.D., Associate Professor of Medicine (Veterans Hospital) (1969).
B.A. (1943), Texas Technological; M.D. (1946), Tulane.
- †**Ambrose B. Shields**, M.D., Associate Clinical Professor of Surgery (1966).
B.S. (1938), M.D. (1940), Kansas.
- †**Fred C. Shipps**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1954).
A.B. (1942), Ohio Wesleyan; M.D. (1945), Western Reserve.
- †**Nathan Shlim**, M.D., Senior Clinical Instructor in Surgery (1956).
B.A. (1937), Wisconsin; M.D. (1941), Rush (University of Chicago).
- †**James H. Shore**, M.D., Clinical Instructor in Psychiatry (1970).
M.D. (1965), Duke.
- †**Faulkner A. Short**, M.D., Senior Clinical Instructor in Orthopedics (1945).
B.A. (1932), M.D. (1936), Oregon.
- Benjamin V. Siegel**, Ph.D., Professor of Pathology (1961).
B.S. (1943), Georgia; M.A. (1937), Columbia; Ph.D. (1950), Stanford.
- †**Ranvir H. Sinanan**, M.B., Assistant Clinical Professor of Pediatrics (1967).
M.B., B.Ch. (1960), Queen's (Belfast).
- †**Wilhelm Sittner**, M.D., Assistant Clinical Professor of Environmental Medicine (1972).
B.A. (1938), Whitman; M.D. (1942), Oregon.
- Gretchen N. Skalbeck**, Ph.D., Associate Professor of Speech Pathology and Audiology, Crippled Children's Division (1968).
B.S. (1952), Minnesota; M.A. (1955), Ph.D. (1963), University of Washington.
- †**John H. Skirving**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1940), Oregon; M.D. (1943), Creighton.
- ***Richard L. Sleeter**, M.D., Assistant Dean; Director of Crippled Children's Division, Professor; Professor of Pediatrics (1953).
B.S. (1940), Oregon; M.D. (1943), Washington University.
- †**Donald B. Slocum**, M.D., Associate Clinical Professor of Orthopedics (1956).
B.S. (1932), Stanford; M.D. (1935), Oregon; M.S. (1939), Tennessee.
- †**Perry R. Sloop, Jr.**, M.D., Clinical Instructor in Medicine (1970).
B.S. (1959), M.D., M.S. (1962), Oregon.
- †**Richard D. Sloop**, M.D., Assistant Clinical Professor of Surgery (1965).
B.S. (1954), Oregon State; M.D., M.S., (1956), Oregon.
- Catherine A. Smith**, Ph.D., Professor of Otolaryngology (1969).
A.B. (1935), M.S. (1948), Ph.D. (1951), Washington University.

† Volunteer.

‡ Part-time.

* Deceased.

FACULTY

- †**Frank B. Smith, M.D.**, Associate Clinical Professor of Orthopedics (1944).
B.A. (1933), Southern California; C.M., M.D. (1937), McGill; M.A. (1943), Minnesota.
- †**Frederic W. Smith, M.D.**, Associate Professor of Medicine (Veterans Hospital) (1960).
B.S. (1947), Kansas State; M.D. (1956), Cornell.
- Gerald M. Smith, Ed.D.**, Associate Professor, Crippled Children's Division (1969).
B.S. (1953), M.S. (1959), Oregon; Ed.D. (1964), Colorado State.
- †**Kent R. Smith, M.D.**, Clinical Instructor in Medicine (1963).
B.A. (1954), Reed; M.D. (1956), Oregon.
- †**Lendon H. Smith, M.D.**, Associate Clinical Professor of Pediatrics (1951).
B.A. (1944), Reed; M.D. (1946), Oregon.
- †**Mary Anne Smith, M.D.**, Clinical Instructor in Psychiatry (1965).
B.A. (1951), Wellesley; M.D. (1959), Cornell.
- †**Roger G. Smith, M.D.**, Clinical Instructor in Medicine (1969).
A.B. (1953), Brown; M.D. (1964), Tufts.
- †**Philip A. Snedecor, M.D.**, Assistant Clinical Professor of Surgery (1958).
A.B. (1949), Stanford; M.D. (1953), Oregon.
- Vinton D. Sneeden, M.D.**, Professor of Pathology (1939).
B.A. (1932), Linfield; M.D. (1936), Oregon.
- William E. Snell, M.D.**, Professor of Orthopedics; Head of Division (1951).
B.S. (1943), M.D. (1945), Oregon.
- †**R. Glenn Snodgrass, M.D.**, Assistant Clinical Professor of Neurology (1964).
B.A. (1952), M.D. (1955), Kansas.
- †**William M. Snook, M.D.**, Associate Clinical Professor of Pediatrics (1954).
M.D. (1949), Virginia.
- †**John L. Soelling, M.D.**, Associate Clinical Professor of Medicine (1953).
B.A. (1944), Columbia; M.D. (1946), New York Medical College.
- †**Charles H. Sparks, M.D.**, Senior Clinical Instructor in Cardiopulmonary Surgery (1958).
B.S. (1944), Missouri School of Mines; M.D. (1951), St. Louis.
- †**Leland Clair Spaulding, M.D.**, Senior Clinical Instructor in Surgery (1969).
B.A. (1952), Walla Walla; M.D. (1956), Loma Linda.
- James T. Speros, M.D.**, Professor of Medicine; Director of Medical Services, University State Tuberculosis Hospital (1940).
B.A. (1931), M.D. (1934), Oregon; M.P.H. (1941), Johns Hopkins.
- Dick B. Speight, A.B.**, Registrar; Director of Admissions and Student Financial Aid Officer; Assistant Professor (1969).
A.B. (1956), Central Michigan.
- †**Trenton J. Spolar, M.D.**, Clinical Instructor in Medicine (1970).
B.S. (1960), Notre Dame; M.D. (1966), Illinois.
- †**John H. Springer, M.D.**, Associate Clinical Professor of Pediatrics (1961).
B.S. (1953), Portland; M.D. (1957), Loyola.
- †**George V. Squire, M.D.**, Clinical Instructor in Medicine (1965).
B.A. (1942), Iowa; B.S. (1949), M.D. (1951), Minnesota.
- †**James F. Stager, M.D.**, Assistant Clinical Professor of Pediatrics (1969).
B.S. (1958), Toledo; M.D. (1952), Northwestern.
- †**Thad C. Stanford, M.D.**, Clinical Instructor in Orthopedics (1965).
A.B. (1945), M.D. (1958), Michigan.
- Mary Ellen Stanger, M.D.**, Assistant Professor, Crippled Children's Division; Assistant Professor of Pediatrics (1971).
B.A. (1953), Lake Erie; M.D. (1957), Women's Medical College of Pennsylvania.
- †**Robert E. Stanton, M.D.**, Assistant Clinical Professor of Pediatrics (1966).
B.A. (1954), M.D. (1957), California.
- Albert Starr, M.D.**, Professor of Cardiopulmonary Surgery; Head of Division (1957).
B.A. (1946), M.D. (1949), Columbia.
- †**Charles R. Starr, M.D.**, Senior Clinical Instructor in Surgery (1968).
B.S. (1953), M.D. (1956), Wisconsin.
- †**Grier F. Starr, M.D.**, Affiliate in Pathology (1959).
B.S. (1947), Jamestown; M.D. (1951), Northwestern.
- †**Dan N. Steffanoff, M.D., D.M.D.**, Associate Clinical Professor of Surgery (1951).
B.A. (1930), M.D. (1934), D.M.D. (1942), Oregon.
- †**John W. Stephens, M.D.**, Clinical Professor of Medicine (1953).
B.S. (1939), M.D. (1944), Alberta.
- Janice R. Stevens, M.D.**, Professor of Neurology (1955).
B.A. (1944), Reed; M.D. (1949), Boston University.
- Kenneth R. Stevens, Jr., M.D.**, Assistant Professor of Radiology (Therapy) (1972).
B.S. (1963), Utah State; M.D. (1966), Utah.
- †**John L. Stevenson, Jr., M.D.**, Clinical Professor of Pediatrics (1957).
A.B. (1950), Stanford; M.D. (1954), Oregon.
- †**Loren W. Stille, M.D.**, Assistant Professor of Radiology (Diagnosis) (Veterans Hospital) (1969).
B.S. (1943), M.D. (1945), Wisconsin.

† Volunteer.

MEDICAL SCHOOL FACULTY

- †**Charles S. Stitt**, D.D.S., Assistant Clinical Professor of Public Health and Preventive Medicine (1968).
B.S. (1948), Bethany; D.D.S. (1952), Pittsburgh; M.P.H. (1962), California.
- †**Gordon A. Stoney**, M.D., Clinical Instructor in Radiology (Diagnosis) (1965).
B.S. (1952), M.D. (1955), Cincinnati.
- †**Henry E. Storino**, M.D., Assistant Clinical Professor of Neurology (1966).
B.S. (1949), Washington State; M.D. (1953), Creighton.
- Frances Judy Storrs**, M.D., Assistant Professor of Dermatology (1969).
B.A. (1960), Carleton; M.D. (1964), Cornell.
- William A. Stotler**, Ph.D., Professor of Anatomy (1946).
A.B. (1935), Westminster; M.S. (1937), St. Louis; Ph.D. (1942), Cornell.
- †**Frank B. Strange**, Ph.D., Lecturer in Medical Psychology (1968).
A.B. (1949), M.A. (1950), University of Portland; Ph.D. (1953), Washington University.
- †**Kurt R. Straube**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1960).
M.D. (1952), Vienna.
- Agnar A. Straumfjord**, M.D., Associate Professor of Psychiatry; Director, Health Service (1966).
B.A. (1950), Willamette; M.S., M.D. (1955), Oregon.
- †**Bruce S. Strimling**, M.D., Clinical Instructor in Pediatrics (1971).
M.D. (1966), Illinois.
- †**Esther A. Strom**, M.D., Clinical Instructor in Medicine (1968).
B.S. (1959), M.D. (1961), Oregon.
- Ervin G. Stubbs**, M.D., Assistant Professor, Crippled Children's Division; Assistant Professor of Psychiatry (1971).
B.A. (1960), M.D. (1964), Iowa.
- †**Eugene S. Sullivan**, M.D., Assistant Clinical Professor of Surgery (1959).
B.S. (1950), M.D. (1953), Wisconsin.
- †**Ralph R. Sullivan**, M.D., Clinical Professor of Environmental Medicine; Clinical Instructor in Dermatology (1951).
B.S. (1927), M.B. (1929), M.D. (1930), Minnesota; M.P.H. (1942), Michigan.
- †**Gordon W. Summers**, D.M.D., M.D., Assistant Clinical Professor of Otolaryngology (1971).
B.S. (1959), D.M.D. (1961), M.D. (1965), Oregon.
- †**Vernon L. Summers**, M.D., Clinical Instructor in Family Practice (1970).
B.A. (1945), Willamette; M.D. (1948), Oregon.
- Cecile O. Sunderland**, M.D., Assistant Professor of Pediatrics (1970).
B.A. (1955), American International; M.D. (1962), S.U.N.Y. (Syracuse).
- ***Walter A. Sunderland**, M.D., Assistant Professor of Pediatrics (1970).
B.A. (1953), Champlain; M.D. (1957), S.U.N.Y. (Syracuse).
- †**Donald W. Sutherland**, M.D., Associate Clinical Professor of Medicine (1963).
B.A. (1953), Amherst; M.D. (1957), Harvard.
- Kenneth C. Swan**, M.D., Professor of Ophthalmology; Chairman of Department (1944).
B.A. (1933), M.D. (1936), Oregon.
- Roy L. Swank**, M.D., Ph.D., Professor of Medicine; Head of Division of Neurology (1953).
B.S. (1930), University of Washington; Ph.D. (1935), M.D. (1936), Northwestern.
- J. Robert Swanson**, Ph.D., Assistant Professor of Clinical Pathology (1969).
B.S. (1961), Colorado State; Ph.D. (1965), Washington State.
- Robert E. Swanson**, Ph.D., Associate Professor of Physiology (1961).
B.A. (1949), Ph.D. (1953), Minnesota.
- †**William R. Sweetman**, M.D., Senior Clinical Instructor in Cardiopulmonary Surgery (1953).
B.A. (1940), M.D. (1943), Yale.
- †**Mian M. Tahir**, M.B.B.S., Clinical Instructor in Neurosurgery (1971).
F.Sc. (1948), Punjab; M.B.B.S. (1955), Dow (Pakistan).
- †**Thomas E. Talbot**, M.D., Associate Clinical Professor of Ophthalmology (1953).
B.S. (1942), Oregon State; M.D. (1945), Oregon.
- Calvin T. Tanabe**, M.D., Assistant Professor of Neurosurgery (1972).
B.S. (1961), M.S., M.D. (1964), Oregon.
- Yeshawant Talwalkar**, M.D., Instructor in Pediatrics (1972).
M.B.B.S. (1960), B.J. Medical School (India); M.D. (1963), Bombay (India).
- †**K. Nolan Tanner**, M.D., Ph.D., Senior Clinical Instructor in Ophthalmology (1964).
B.A. (1943), Reed; Ph.D. (1950), Rochester; M.D. (1960), Oregon.
- Ralph D. Tanz**, Ph.D., Associate Professor of Pharmacology (1969).
B.A. (1948), Rochester; Ph.D. (1958), Colorado.
- †**Julian R. Taplin**, Ph.D., Assistant Clinical Professor of Psychiatry (Psychology) (1971).
B.S. (1958), Oregon State; M.A. (1965), Ph.D. (1967), Oregon.
- †**John W. Tarnasky**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1958), Portland State; M.D. (1961), Oregon.
- †**Donald E. Tatum**, M.D., Clinical Instructor in Medicine (1966).
B.A. (1936), Ph.D. (1941), M.D. (1943), Wisconsin.

† Volunteer.

* Leave of absence.

FACULTY

Robert E. Taubman, M.D., Ph.D., Associate Professor of Psychiatry (1964).

B.A. (1941), College of City of New York; M.A. (1942), Ph.D. (1948), Columbia; M.D. (1960), Nebraska.

†**David K. Taylor, M.D.**, Associate Clinical Professor of Medicine (1946).

B.A. (1929), College of Idaho; M.D. (1940), Oregon.

Joe W. Templeton, Ph.D., Assistant Professor of Medical Genetics (1968).

B.S. (1964), Abilene Christian; Ph.D. (1968), Oregon State.

†**T. Glenn Ten Eyck, M.D.**, Assistant Professor of Otolaryngology (Veterans Hospital) (1946).

B.A. (1930), M.D. (1933), Oregon.

Leif G. Terdal, Ph.D., Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1965).

B.A. (1959), Taylor; M.A. (1961), Ph.D. (1965), Michigan State.

†**Louis G. Terkla, D.M.D.**, Professor of Dentistry, Head of Division (1967).

D.M.D. (1952), Oregon.

†**Gerald A. Terman, M.D.**, Senior Clinical Instructor in Ophthalmology (1963).

B.A. (1951), Chicago; M.D. (1957), Northwestern.

†**Frank D. Thomas, M.D.**, Clinical Instructor in Medicine (1969).

B.S. (1959), Utah; M.D. (1965), Missouri.

†**John P. Thomas, D.D.S., M.S.**, Assistant Professor of Dentistry (1969).

D.D.S. (1962), M.S. (1967), Iowa.

Marian S. Thomas, B.S., Instructor in Clinical Pathology (Medical Technology) (1969).

B.S. (1965), Southern Oregon.

†**William O. Thomas, Jr., M.D.**, Assistant Clinical Professor of Obstetrics and Gynecology (1949).

B.A. (1937), Dartmouth; M.D. (1941), Harvard.

Betty B. Thompson, M.D., Associate Professor of Anesthesiology (1963).

B.S. (1956), Lewis and Clark; M.D. (1959), Oregon.

†**Charles C. Thompson, D.M.D.**, Assistant Professor of Dentistry (1970).

B.A. (1957), St. Martin's; D.M.D. (1962), Oregon; M.S.D. (1968), Emory.

†**John W. Thompson, M.D.**, Clinical Instructor in Orthopedics (1967).

B.A. (1955), Reed; M.D. (1959), Oregon.

†**Richard Thompson, M.D.**, Clinical Professor of Clinical Pathology (1968).

A.B. (1920), Oregon; M.D. (1924), Columbia.

†**Warren B. Thompson, M.D.**, Clinical Instructor in Family Practice (1971).

B.A. (1943), M.D. (1945), Oregon.

†**Robert E. Thornfeldt, M.D.**, Associate Clinical Professor of Pediatrics (1963).

B.S. (1942), Washington State; M.D. (1945), Northwestern.

†**Thomas L. Thornton, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).

B.S. (1958), M.D. (1961), Oregon.

†**Frederick W. Tiley, M.D.**, Clinical Instructor in Orthopedics (1971).

B.A. (1959), Princeton; M.D. (1963), Columbia.

†**Hugh H. Tilson, M.D., Dr.P.H.**, Assistant Professor of Public Health and Preventive Medicine (1972).

A.B. (1963), Reed; M.D. (1964), Washington University; M.P.H. (1969), Dr.P.H. (1972), Harvard.

Andrea B. Cibus Tongue, M.D., Assistant Professor of Ophthalmology (1970).

B.A. (1962), M.D. (1966), Washington University.

†**George L. Toombs, B.S.**, Senior Clinical Instructor in Public Health and Preventive Medicine (1970).

B.S. (1952), Lewis and Clark.

John S. Tovey, M.S.W., Associate Professor of Psychiatric Social Work (1964).

B.S. (1955), Portland; M.S.W. (1959), St. Louis.

Joseph B. Trainer, M.D., Associate Professor of Physiology and Professor of Medicine (1949).

B.S. (1939), M.S. (1941), University of Washington; M.D. (1946), Oregon.

†**Paul Trautman, M.D.**, Clinical Instructor in Pediatric Surgery (1965).

B.S. (1941), Yale; M.D. (1944), Tulane.

†**Phillip R. Trautmann, M.D.**, Clinical Instructor in Psychiatry (1971).

B.S. (1957), M.D. (1961), Wisconsin.

†**John P. Trommald, M.D.**, Assistant Clinical Professor of Surgery (1939).

B.S. (1929), Yale; M.D. (1933), Harvard.

†**E. Dale Trout, D.Sc.**, Clinical Professor of Radiology (Diagnosis) (1966).

B.S. (1922), D.Sc. (Hon.) (1950), Franklin College.

Emily Tufts, M.D., Assistant Professor of Pediatrics (1965).

B.A. (1946), North Carolina; M.D. (1950), M.S. (1953), Temple.

†**John E. Tuhy, M.D.**, Clinical Professor of Medicine (1948).

B.A. (1935), M.D. (1938), Oregon.

Archie R. Tunturi, M.D., Ph.D., Associate Professor of Anatomy (1945).

B.A. (1939), Reed; M.S. (1943), Ph.D., M.D. (1944), Oregon.

†**Donald A. Turcke, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1970).

B.A. (1958), Washington and Jefferson; M.D. (1962), Temple.

† Volunteer.

‡ Part-time.

MEDICAL SCHOOL FACULTY

- Robert H. Turner, M.D.**, Instructor in Dermatology (1972).
B.A. (1961), Texas; M.D. (1965), Texas Southwestern.
- †**Peter Tyerman, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).
B.A. (1957), Oregon; M.D. (1961), George Washington.
- †**Hugo Uhlund, M.D.**, Clinical Instructor in Medicine (1966).
B.A. (1958), Omaha; M.D. (1961), Nebraska.
- †**Alvin O. Uhle, M.D.**, Assistant Clinical Professor of Surgery (1955).
B.S. (1945), Portland; M.D. (1947), Northwestern.
- †**Franklin J. Underwood, M.D.**, Clinical Professor of Medicine (1937).
M.D. (1933), Harvard.
- Richard C. U'Ren, M.D.**, Assistant Professor of Psychiatry (1972).
B.A. (1960), Oregon; M.D. (1964), McGill.
- †**Marvin J. Urman, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1947), University of Portland; M.D. (1951), Oregon.
- †**Mary S. Urry, M.B., Ch.B.**, Clinical Instructor in Pediatrics (1969).
M.B., Ch.B. (1960), Manchester (England).
- †**Theodore P. Utt, M.D.**, Clinical Instructor in Psychiatry (1969).
B.A. (1947), Pacific Union; M.D. (1953), Loma Linda.
- †**Robert D. Vallion, M.D.**, Clinical Instructor in Medicine (1972).
B.A. (1961), Oklahoma State; M.D. (1964), University of Oklahoma.
- John T. Van Bruggen, Ph.D.**, Professor of Biochemistry (1947).
B.A. (1937), Linfield; M.A. (1939), Oregon; Ph.D. (1944), St. Louis.
- †**John G. Vandenberg, M.D.**, Assistant Clinical Professor of Urology (1953).
B.S. (1945), Puget Sound; B.M. (1947), M.D. (1948), Northwestern.
- Joseph V. Vander Veer, Jr., M.D.**, Assistant Professor of Surgery; Director of Emergency Services (1972).
B.A. (1959), Wesleyan; M.D. (1965), Rochester.
- †**Clemens W. Van Rooy, M.D.**, Clinical Professor of Pediatrics (1958).
M.D. (1948), St. Louis.
- †**David G. Van Sickle, M.D.**, Clinical Instructor in Medicine (1971).
A.B. (1957), Colgate; M.D. (1966), George Washington.
- †**Thomas A. Van Veen, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1961), University of Portland; M.D. (1963), Oregon.
- †**Charles Varga, M.D.**, Associate Clinical Professor of Pediatrics (1956).
B.S. (1939), Rutgers; M.D. (1944), New York Medical College.
- †**Kenneth W. Vaughn, Jr., M.D.**, Clinical Instructor in Medicine (1971).
B.A. (1960), Columbia; M.D. (1964), Boston.
- †**Lyle Veazie, Ph.D.**, Professor of Microbiology (Parasitology); Acting Chairman of the Department (1942).
B.A. (1928), M.A. (1930), Ph.D. (1947), Oregon.
- †**William R. Vermeere, B.S.**, Clinical Instructor in Radiology (Therapy) (Radiation Biology) (1969).
B.S. (1965), B.S. (1966), Oregon State.
- Jack A. Vernon, Ph.D.**, Professor of Otolaryngology and Medical Psychology (1966).
A.B. (1948), M.A. (1950), Ph.D. (1952), Virginia.
- †**Albert F. C. Vervloet, M.D.**, Clinical Instructor in Medicine (1967).
M.D. (1961), Leiden (The Netherlands).
- †**Jon C. Vessely, M.D.**, Clinical Instructor in Orthopedic Surgery (1971).
B.S. (1959), Ohio State; M.D. (1963), Cincinnati.
- †**R. Mark Vetto, M.D.**, Professor of Surgery (Veterans Hospital) (1959).
M.D. (1949), Jefferson; D.Sc. (1959), Cincinnati.
- †**Vitolds C. Vitums, M.D.**, Senior Clinical Instructor in Medicine (1972).
B.S. (1959), Washington State; D.D.S. (1962), University of Washington; M.D. (1968), George Washington University.
- †**Daniel Voiss, M.D.**, Clinical Instructor in Psychiatry (1965).
B.S. (1955), M.S., M.D. (1957), Oregon.
- †**John V. Vore, M.D.**, Clinical Instructor in Family Practice (1971).
M.D. (1959), Indiana.
- †**Robert O. Voy, M.D.**, Clinical Instructor in Family Practice (1972).
B.S. (1955), South Dakota State; B.S. (1962), State University South Dakota; M.D. (1964), Oregon.
- †**Gunnar Waage, M.D.**, Clinical Instructor in Pediatrics (1972).
M.D. (1964), Basel.
- †**Frederick D. Wade, M.D.**, Clinical Instructor in Orthopedics (1972).
B.A. (1959), Willamette, M.D. (1963), Oregon.
- †**James B. Wade, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1953), Reed; M.D. (1957), University of Washington.

† Volunteer.

‡ Part-time.

FACULTY

- †**Carl Wagner**, D.M.D., Clinical Instructor in Anesthesiology (1971).
D.M.D. (1929), Oregon.
- Marie K. Wagner**, B.S., Circulation Librarian; Assistant Professor (1954).
B.S. (1940), State Teachers College at West Chester.
- †**Sheldon A. Walker**, M.D., Clinical Professor of Dermatology (1955).
M.D. (1942), Iowa.
- †**George F. Walliker, Jr.**, M.D., Clinical Professor of Pediatrics (1949).
A.B. (1938), Nebraska; B.S. (1940), Portland; M.D. (1944), Tennessee.
- †**John R. Walsh**, M.D., Professor of Medicine (Veterans Hospital) (1960).
B.S. (1943), M.D. (1945), M.Sc.Med. (1951), Creighton.
- Charles L. Waltemath**, M.D., Associate Professor of Anesthesiology (1968).
B.A. (1956), M.D. (1960), Missouri.
- †**Theodore A. Walters**, M.D., Instructor in Medicine (Veterans Hospital) (1972).
B.S. (1959), College of Idaho; M.D. (1963), Oregon.
- †**Hans G. Wandel**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1964).
B.A. (1948), Falkschule (Berlin); M.D. (1956), Freie Universität (Berlin).
- †**Gerald L. Warnock**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1964).
B.A. (1954), Reed; M.D. (1958), Oregon.
- †**John H. Waterman**, M.D., Associate Clinical Professor of Psychiatry (1967).
A.B. (1944), Park; B.Sc. (1929), M.D. (1933), Nebraska.
- †**Charles W. Watkins**, M.D., Associate Clinical Professor of Dermatology (1958).
B.A. (1948), Montana State University; M.D. (1951), St. Louis; M.S. (1958), Minnesota.
- †**James MacD. Watson**, M.D., Associate Clinical Professor of Neurology (1966).
B.S. (1946), Idaho; M.D. (1949), Chicago.
- †**Edward E. Wayson**, M.D., Associate Clinical Professor of Surgery (1952).
A.B. (1939), Dartmouth; M.D. (1943), Michigan.
- †**Clifford S. Weare**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1941), M.D. (1943), Nebraska.
- †**John H. Weare**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1941), M.D. (1943), Nebraska.
- †**Kathleen Weaver**, M.D., Clinical Instructor in Medicine (1972).
B.S. (1965), M.D. (1967), Oregon.
- †**Jerome C. Weeber**, M.D., Clinical Instructor in Urology (1966).
B.A. (1955), M.D. (1958), Iowa.
- †**Linton G. Weed**, M.D., Clinical Instructor in Surgery (1965).
B.S. (1951), M.D. (1954), Wisconsin.
- †**Gaylord C. Weeks**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1954), Willamette; M.D. (1959), Oregon.
- Virginia L. Weimar**, Ph.D., Associate Professor of Ophthalmology and Affiliate in Pathology (1962).
B.S. (1944), M.S. (1947), Oregon State; Ph.D. (1951), Pennsylvania.
- †**Darrell T. Weinman**, M.D., Clinical Instructor, Crippled Children's Division (1969).
B.A. (1957), B.S., M.D. (1960), Minnesota; M.S. (1965), Mayo.
- †**Marvin J. Weinstein**, M.D., Clinical Instructor in Medicine (1970).
B.A. (1951), Reed; M.D. (1955), Oregon.
- Curtis E. Weiss**, Ph.D., Assistant Professor of Speech Pathology, Crippled Children's Division (1968).
B.S. (1958), Dickinson; M.Ed. (1962), Oregon; Ph.D. (1968), Missouri.
- †**Warren S. Welborn**, M.D., J.D., Associate Clinical Professor of Public Health and Preventive Medicine (1970).
B.A. (1949), M.D. (1953), Oregon; J.D. (1968), Northwestern School of Law.
- †**John D. Welch**, M.D., Assistant Clinical Professor of Environmental Medicine (1972).
B.S. (1936), Willamette; M.D. (1940), Oregon.
- Herbert A. Wendel**, M.D., Associate Professor of Pharmacology (1969).
Physikum (1935), Heidelberg; Med. Natl. Exam. (1939), Berlin.
- †**Alvin D. Wert**, M.D., Clinical Professor of Pediatrics (1946).
A.B. (1937), Colgate; M.D. (1941), Minnesota.
- †**Daniel L. Wesche**, M.D., Clinical Instructor in Psychiatry (1971).
B.S. (1958), Seattle Pacific; M.D. (1961), Oregon.
- †**William W. Wescott**, D.M.D., Affiliate in Pathology (Dentistry, Dental School) (1966).
D.M.D. (1951), M.S. (1962), Oregon.
- †**Glenn Weyhrich**, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
M.D. (1965), Chicago.
- †**W. Mark Wheeler, III**, M.D., Clinical Instructor in Medicine (1971).
A.B. (1960), Princeton; M.D. (1964), Washington University.
- †**Frank G. White**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1947), Omaha; M.D. (1951), Nebraska.
- †**James P. Whittemore**, M.D., Assistant Clinical Professor of Pediatrics (1948).
A.B. (1942), Holy Cross; M.D. (1945), Harvard.

† Volunteer.

MEDICAL SCHOOL FACULTY

- †**Richard G. Wicklund**, M.D., Clinical Instructor in Pediatrics (1972).
B.A. (1964), B.S. (1966), M.D. (1966), Minnesota.
- †**Alton R. Wiebe**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1955), M.D. (1957), Oregon.
- Arthur N. Wiens**, Ph.D., Professor of Medical Psychology (1958).
B.A. (1948), M.A. (1952), Kansas; Ph.D. (1956), Portland.
- †**John B. Wild**, M.D., Assistant Clinical Professor of Medicine (1963).
M.B., B.S. (1946), St. Mary's Hospital, London; M.D. (1949), London.
- †**Cameron J. Wiley**, M.D., Clinical Instructor in Radiology (Diagnosis) (1965).
B.S. (1955), M.D. (1957), Oregon.
- †**David C. Wiley**, M.D., Clinical Instructor in Medicine (1971).
B.S. (1947), Pacific; M.D. (1951), Oregon.
- James A. Wilkinson**, B.S., Instructor in Clinical Pathology (Medical Technology) (1966).
B.S. (1963), Oregon.
- †**Allison B. Willeford**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1947), North Texas; M.D. (1951), Baylor.
- Christopher P. S. Williams**, M.D., Associate Professor, Crippled Children's Division; Associate Professor of Pediatrics (1968).
B.A. (1953), M.D. (1958), Oregon.
- †**Earl R. Williams**, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
M.D. (1963), Wayne State University.
- †**Martha Williams**, M.D., Instructor in Pediatrics (1970).
A.B. (1959), Smith; M.D. (1963), Columbia.
- †**Oscar K. Williams**, M.D., Clinical Instructor in Radiology (Diagnosis) (1968).
B.S. (1939), Oregon; M.D. (1946), St. Louis.
- †**Charles P. Wilson**, M.D., Associate Clinical Professor of Medicine (1929).
A.B. (1920), Reed; M.D. (1924), Johns Hopkins.
- †**Nathaniel D. Wilson**, M.D., Assistant Clinical Professor of Surgery (1953).
B.S. (1936), Wheaton; B.M. (1940), M.D. (1941), Northwestern.
- †**Robert D. Wilson**, M.D., Clinical Instructor in Medicine (1963).
B.A. (1953), Willamette; M.D. (1956), Oregon.
- Donald J. Winans**, M.A., Assistant Professor of Psychiatry (1971).
B.S. (1960), Wisconsin State; M.A. (1962), Indiana.
- †**Homer Winslow**, M.D., Clinical Instructor in Continuing Medical Education (1970).
B.S. (1957), M.D. (1960), Oregon.
- †**David S. Wisdom**, M.D., Clinical Instructor in Orthopedic Surgery (1971).
B.S. (1961), Tulane; M.D. (1965), Louisiana State.
- †**Robert A. Wise**, M.D., Clinical Professor of Surgery (1947).
B.A. (1922), M.D. (1925), Columbia.
- †**David L. Wishart**, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1970).
B.A. (1958), Harvard; M.D. (1961), Oregon.
- †**David M. Witter**, D.D.S., Clinical Instructor in Public Health and Preventive Medicine (1967).
D.D.S. (1934), Nebraska; M.P.H. (1951), Michigan.
- †**John Lee Wobig**, M.D., Clinical Instructor in Ophthalmology (1970).
B.S. (1961), Lewis and Clark; M.D. (1964), Oregon.
- †**Gordon F. Wolfe**, M.D., Clinical Instructor in Medicine (1959).
B.S. (1942), M.D. (1954), Illinois.
- †**Peter T. Wolfe**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1946), Oregon State; M.D. (1951), Oregon.
- Lawrence J. Wolff**, M.D., Assistant Professor of Pediatrics (1971).
B.A. (1960), Northwestern; M.D. (1964), Missouri.
- Don C. Wood**, Ph.D., Associate Professor for Research (Surgery) (1970).
B.S. (1947), M.S. (1948), Brigham Young; Ph.D. (1952), Cornell.
- †**James A. Wood**, M.D., Associate Clinical Professor of Cardiopulmonary Surgery (1963).
B.A. (1953), Reed; M.D. (1957), Oregon.
- Herbert M. Woodcock**, M.D., Associate Professor of Child Psychiatry and Pediatrics (1969).
B.S. (1943), Idaho; M.D. (1945), Oregon.
- †**James V. Woodworth**, M.D., Clinical Instructor in Medicine; Associate Professor of Dentistry (1952).
A.B. (1944), Whitman; M.D. (1946), Oregon.
- †**LeGrande H. Woolley**, D.D.S., Associate Professor of Dentistry (1966).
D.D.S. (1958), Missouri; M.S. (1966), Oregon.
- †**Ralph D. Worthylake**, M.D., Clinical Instructor in Psychiatry (1967).
M.D. (1949), Oregon.
- †**Richard C. Wright**, M.D., Clinical Instructor in Dermatology (1969).
B.S. (1958), M.D. (1963), Oregon.
- †**Wellesley H. Wright**, D.D.S., M.S.D., Associate Professor of Dentistry (1969).
B.A. (1962), D.D.S. (1959), University of Washington; M.S.D. (1963), Baylor.
- Kirk D. Wuepper**, M.D., Associate Professor of Dermatology (1972).
B.A. (1959), M.D. (1963), Michigan.
- †**Donald M. Wysham**, M.D., Senior Clinical Instructor in Medicine (1969).
B.A. (1949), Princeton; M.D. (1953), Harvard.

† Volunteer.

‡ Part-time.

FACULTY

*†**Maximo C. Yao**, M.D., Clinical Instructor in Pediatric Neurology (1968).

B.S. (1960), M.D. (1960), Philippines.

†**Ernest A. Yeck**, M.D., Clinical Instructor in Continuing Medical Education (1970).

B.S. (1947), M.D. (1951), Nebraska.

†**Donald A. Young**, M.D., Clinical Instructor in Urology (1971).

B.A. (1960), Colorado; M.D. (1963), Wayne State.

Norton B. Young, Ph.D., Professor of Speech Pathology and Audiology, Crippled Children's Division; Professor of Pediatrics (Audiology) (1960).

B.S. (1950), M.A. (1953), University of Washington; Ph.D. (1957), Purdue.

†**Eldon W. Younger**, M.D., Clinical Instructor in Pediatrics (1967).

B.S. (1960), Oregon State; M.D. (1962), Oregon.

†**Robert W. Zeller**, M.D., Associate Clinical Professor of Ophthalmology (1951).
M.D. (1944), Loyola.

* Leave of absence.

† Volunteer.

‡ Part-time.

†**Werner E. Zeller**, M.D., Clinical Professor of Surgery (1946).

B.S. (1933), M.S. (1936), M.D. (1937), Oregon.

Charles J. Zerzan, Jr., M.D., Assistant Professor of Medicine; Director, Continuing Medical Education (1968).

B.A. (1948), Willamette; M.D. (1951), Marquette.

†**Richard C. Zimmerman**, M.D., Senior Clinical Instructor in Orthopedics (1964).

B.S. (1955), M.D. (1967), Oregon.

William A. Zimmerman, B.S., Associate Dean for Business Affairs; Professor (1945).

B.S. (1939), Oregon.

Lawrence S. Zivin, M.D., Assistant Professor of Neurology (1969).

A.B. (1956), A.M. (1958), M.D. (1962), Harvard.

†**George Zupan**, M.D., Clinical Instructor in Family Practice (1971).

B.S. (1954), M.D. (1956), Oregon.

MEDICAL SCHOOL FACULTY

Crippled Children's Division

†**Richard L. Sleeter**, M.D., Assistant Dean; Director and Professor; Professor of Pediatrics.

Victor D. Menashe, M.D., Associate Director, Professor; Professor of Pediatrics.

L. Paul Rasmussen, M.D., Professor; Professor of Pediatrics.

Rodney K. Beals, M.D., Professor of Orthopedics.

Robert Blakeley, Ph.D., Professor; Professor of Pediatrics.

Rodney D. Boyd, Ph.D., Professor; Professor of Medical Psychology.

John R. Campbell, Professor and Head, Division of Pediatric Surgery.

***Leroy O. Carlson**, M.D., Professor; Professor of Pediatrics.

Ann M. Garner, Ph.D., Professor; Professor of Medical Psychology.

Herold S. Lillywhite, Ph.D., Professor of Speech Pathology.

James Lindemann, Ph.D., Professor; Professor of Medical Psychology.

William E. Snell, M.D., Professor and Head of Division of Orthopedics.

Norton Young, Ph.D., Professor; Professor of Pediatrics.

J. Albert Browder, M.D., Associate Professor; Associate Professor of Pediatrics.

****Ralph O. Coleman, Jr.**, Ph.D., Associate Professor of Speech Pathology.

Warren H. Fay, Ph.D., Associate Professor; Associate Professor of Pediatrics.

John S. Gullikson, D.D.S., Associate Professor; Associate Professor of Dentistry.

Constance Hanf, Ph.D., Associate Professor; Associate Professor of Medical Psychology.

Frederick Hecht, M.D., Associate Professor; Associate Professor of Medicine and Pediatrics.

Elaine W. Lis, Ph.D., Associate Professor, Nutrition.

Everett W. Lovrien, M.D., Associate Professor; Associate Professor of Pediatrics.

David W. Macfarlane, M.D., Associate Professor; Associate Professor of Pediatrics.

C. Donald Nelson, Ph.D., Associate Professor of Speech Pathology.

Gretchen N. Skalbeck, Ph.D., Associate Professor of Speech Pathology and Audiology.

Gerald M. Smith, Ed.D., Associate Professor, Special Education.

Leif Terdal, Ph.D., Associate Professor; Associate Professor of Medical Psychology.

Christopher P. S. Williams, M.D., Associate Professor; Associate Professor of Pediatrics.

Lillian T. Cunningham, M.P.H., Assistant Professor, Nutrition.

Jerry O. Elder, M.A., Assistant Professor, Business Manager.

Stephen A. Fausti, Ph.D., Assistant Professor (Veterans Hospital).

William D. Guyer, M.D., Assistant Professor; Assistant Professor of Orthopedics.

Jack R. Hegrenes, Ph.D., Assistant Professor.

Russell H. Jackson, Ph.D., Assistant Professor; Assistant Professor of Medical Psychology.

Doris Julian, M.N., Assistant Professor; Assistant Professor of Nursing Education.

Harold M. Louis, D.D.S., Assistant Professor.

Jean Macfarlane, M.D., Assistant Professor.

R. Ellen Magenis, M.D., Assistant Professor.

Mary Ellen Stanger, M.D., Assistant Professor; Assistant Professor of Pediatrics.

Ervin G. Stubbs, M.D., Assistant Professor; Assistant Professor of Psychiatry.

Emily Tufts, M.D., Assistant Professor of Pediatrics.

Curtis E. Weiss, Ph.D., Assistant Professor of Speech Pathology.

Laurence R. Langston, M.D., Senior Clinical Instructor in Orthopedics.

Arthur Egol, D.M.D., Instructor.

Ruby Fields, M.S., R.P.T., Instructor.

John Hale, M.S.W., M.P.H., Instructor.

Catherine A. Loessel, M.P.H., Instructor.

Ruth Meacham, M.A., Instructor.

James E. Merritt, M.S.W., Instructor.

Merry Meek, Research Assistant.

* Leave of absence April 1, 1972 to December 1, 1972.

** Leave of absence March 1, 1973 to December 31, 1973.

† Deceased.

7

ENROLLMENT AND DEGREES



Degrees Conferred June 9, 1972

Doctor of Medicine

GRADUATE

INTERNSHIP

Mark B. Adams.....	Milwaukee County General Hospital, Milwaukee, Wisconsin
Nancy D. Adams.....	Milwaukee County General Hospital, Milwaukee, Wisconsin
James S. Allen.....	Santa Clara Valley Medical Center, San Jose, California
Richard L. Alley.....	Hennepin County General Hospital, Minneapolis, Minnesota
Regina B. Ross Atcheson.....	St. Joseph's Hospital, Houston, Texas
Steven G. Atcheson.....	St. Joseph's Hospital, Houston, Texas
Rodney D. Bell.....	Parkland Memorial Hospital, Dallas, Texas
Marvin L. Benson.....	Santa Clara Valley Medical Center, San Jose, California
Bruce H. Blank.....	The New York Hospital-Cornell University Medical College, New York, New York
R. Steven Brisbois.....	Sacramento Medical Center, Sacramento, California
Thomas L. Bristol.....	San Bernardino County General Hospital, San Bernardino, California
John H. Brookhart.....	Tucson Medical Center, Tucson, Arizona
Gary Calandra.....	Parkland Memorial Hospital, Dallas, Texas
George T. Cameron.....	Gorgas Hospital, Balboa Heights, Canal Zone
Lawrence V. Cheldelin.....	Beaumont General Hospital, El Paso, Texas
Glen J. Church.....	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Edward F. Clarke.....	Strong Memorial Hospital, Rochester, New York
John M. Cornwell.....	Albany Medical Center, Albany, New York
Steven J. Cox.....	Sacred Heart Hospital, Spokane, Washington
Leslie T. Dillow.....	Emanuel Hospital, Portland, Oregon
Gerald D. Ebner.....	Wright Patterson Air Force Base, Dayton, Ohio
Terry H. Edwards.....	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Mary Glenn Fowler.....	North Carolina Baptist Hospital, Winston-Salem, North Carolina
Keith H. Griffin.....	University of Oregon Medical School Hospitals and Clinics, Portland, Oregon
John E. Hamm.....	Naval Hospital, Bethesda, Maryland
Keith W. Harless.....	Mary Hitchcock Memorial Hospital, Hanover, New Hampshire
Kenneth C. Haycraft.....	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Michael D. Herring.....	Walter Reed Hospital, Washington, D.C.
Ronald L. Hofeldt.....	Providence Hospital, Portland, Oregon
J. Thomas Hoggard, III.....	Gorgas Hospital, Balboa Heights, Canal Zone
Donald C. Houghton.....	University Hospitals, Madison, Wisconsin
Robert K. Huston.....	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Ann Jensen.....	Emanuel Hospital, Portland, Oregon
David C. Jonasson.....	San Bernardino County General Hospital, San Bernardino, California
Robert W. Jordan.....	Wright Patterson Air Force Base, Dayton, Ohio
Richard S. Joslin.....	University of Minnesota, Minneapolis, Minnesota
Michael J. Kaempf.....	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
John P. Kearney.....	University of California at Los Angeles Affiliated Hospitals, Los Angeles, California
Kip L. Kemple.....	University Hospitals, Madison, Wisconsin
C. Francis Kenyon.....	Madigan General Hospital, Tacoma, Washington
John L. Kimbrough.....	David Grant USAF Medical Center, Travis Air Force Base, California

Richard P. Knudson	Tripler General Hospital, Honolulu, Hawaii
Bryan H. Laycoe	University of Oregon Medical School Hospitals and Clinics, Portland, Oregon
James A. Lea	San Bernardino County General Hospital, San Bernardino, California
Douglas W. Lieuallen	University of New Mexico Affiliated Hospitals, Albuquerque, New Mexico
Robert W. Lipke	Yale-New Haven Medical Center, New Haven, Connecticut
Daniel K. Lowe	Indiana University Medical Center, Indianapolis, Indiana
Judd K. Lunn	San Bernardino County General Hospital, San Bernardino, California
William G. Marsh	Great Lakes Naval Hospital, Chicago, Illinois
Michael T. McCleskey	Hennepin County General Hospital, Minneapolis, Minnesota
Frank W. McCullar	Rochester General Hospital, Rochester, New York
Ronald K. McGee	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Thomas D. McKim	Santa Clara Valley Medical Center, San Jose, California
Michael E. Merrick	San Bernardino County General Hospital, San Bernardino, California
Michael J. Metcalf	Deaconess Hospital, Spokane, Washington
Philip D. Miller	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Robert G. Moore	Scott Air Force Base, Bellville, Illinois
Daniel S. Morris	Emanuel Hospital, Portland, Oregon
D. Curtis Mumford, Jr.	Los Angeles County, Harbor General Hospital, Torrance, California
Michael A. Mundell	San Francisco General Hospital, San Francisco, California
Martin W. Muth	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Robert L. Myers	Letterman General Hospital, San Francisco, California
Stanley K. Neal	San Bernardino County General Hospital, San Bernardino, California
Harry C. Newman	University of California, San Francisco, California
E. Mark Nichols	
Robert A. Nimmo	Wilmington Medical Center, Wilmington, Delaware
David L. Noall	Hennepin County General Hospital, Minneapolis, Minnesota
Dana L. Nofziger	Conemaugh Valley Memorial Hospital, Johnstown, Pennsylvania
Ralph C. Oler	Santa Clara Valley Medical Center, San Jose, California
Mark W. Olson	Naval Hospital, Jacksonville, Florida
Jeremy K. Ota	Veterans Hospital (Wadsworth), Los Angeles, California
James H. Petersen	Brooke General Hospital, San Antonio, Texas
W. Eugene Petty	Tripler General Hospital, Honolulu, Hawaii
Richard B. Phipps	Los Angeles County, University of Southern California Medical Center, Los Angeles, California
Donald A. W. Piper	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Robert R. Poole	Los Angeles County, Harbor General Hospital, Torrance, California
James E. Price	Sacramento Medical Center, Sacramento, California
Jock T. Pribnow	St. Paul-Ramsey Hospital, St. Paul, Minnesota
Thomas L. Ray	Hennepin County General Hospital, Minneapolis, Minnesota
Harry H. Rinehart	Tripler General Hospital, Honolulu, Hawaii
James R. Robbins	Hennepin County General Hospital, Minneapolis, Minnesota
John F. Schenk	Case Western Reserve University, Cleveland, Ohio
Don J. Schmitt	St. Joseph's Hospital, Houston, Texas
David H. Schoening	District of Columbia General Hospital, Washington, D.C.
Kit D. Smith	Tripler General Hospital, Honolulu, Hawaii
Ronald W. Sproat	Los Angeles County, Harbor Hospital, Torrance, California
Dennis L. Stone	St. Mary's Hospital, San Francisco, California
Donald D. Storey	Grady Memorial Hospital, Atlanta, Georgia
Richard T. Takao	Tripler General Hospital, Honolulu, Hawaii

ENROLLMENT AND DEGREES

Cheryl L. Taubman.....Los Angeles County, University of Southern California
Medical Center, Los Angeles, California
Larry D. Tice.....Strong Memorial Hospital, Rochester, New York
William C. Vogelpohl.....Beaumont General Hospital, El Paso, Texas
Frederick T. Waller.....University of California, San Francisco, California
Needham E. Ward, III.....Fitzsimons General Hospital, Denver, Colorado
William W. Weare.....University of Nebraska Hospital, Omaha, Nebraska
Paul L. Wilson.....Cleveland Clinic, Cleveland, Ohio
R. Wayne Wood.....Santa Clara Valley Medical Center, San Jose, California
Alexander L. Worobey.....Gorgas Hospital, Balboa Heights, Canal Zone

Doctor of Philosophy

Jack Abraham Alhadeff	William Charles Buss	Bruce Andrew Fowler	Thomas S. Vedvick
J. Michael Bowers	Gary B. Calandra	Patrick J. Reynolds	

Master of Science

Judy Korany Alexander	Glen Kay Martin	Steven Carl Packham	Norman Wiley Smith
Sharon Brefny Dunning	Stanley Phillip Murphy	Larry Francis Rich	Robert Kyle Velander
Billings			

Enrollment 1971-1972

First Year Class

David Anderson	Timothy Driver	Eugene Hughes, Jr.	L. William Nowierski
Lowell Anderson	Keith Edwards	David Humphreys	David Nunley
Robert Anderson	Frank Eigner	Alan Hunstock	Dennis O'Connell
Kathrine Avison	Richard Eikrem	John Jacobson	John Pachot
Michael Balkovich	Dennis Elonka	Frederick Jensen	Daryl Pohl
Martin Bassett	Richard Farleigh	Leyton Jump	Michael Potter
J. Mark Bauer	Charles Faulk, Jr.	Wayne Katon	Michael Prince
Cordon Bittner	Mark Fischer	Brian Kelly	William Princen
Craig Blundell	David Foos	Richard Keniston	Gerald Rich
Bruce Boyd	Edward Galen	Charles Layman	Richard Robinson, Jr.
Roger Bracchi	W. Ted Galey	Nancy Lellelid	Russell Roundy
Ulista Brooks	Gary Gentzkow	Dolores Leon	Beverly Rummell
Ronald Buss	David George	Thomas Lindgren	Lawrence Schacht
Randy Christenson	Tom Goodman	Mark Litchman	William Schuster
Thomas Clark	Dennis Gory	Stuart Loeb	Evelyn Shukin
Allard Conger, III	Lawrence Gurian	Wayne Lucke	Frederick Smith
David Conn	Thomas Harpole	John Malm	Robert Smith
E. Daniel Crawford	Brian Harwood	Robert Maricle	Merle Sogge
Larry Crick	Deborah Heilman	J. Ross Marsh	Oliver Stalsbroten
Carolyn Crook	Thomas Henry	S. Jon Mason	Per Sweetman
Herbert Daniels	Michael Herz	John Meyer	Daniel Thomas
Jerry Darm	Stephen Hiuga	Michael Miller	God Tolan
Garry Dion	Jay Hollman	Richard Neher	Gordon Wolfe
Steven Dresler	Eric Houghton	Gary Noland	Steven Yowell

Second Year Class

Jimmie Ashcraft	Cathleen Caton	Thomas Evans	Catherine Gorchels
William Berryman	Truman Cleaver	Cary Feibleman	E. Reed Gurney
Carl Bontrager	Michael Coughlin	Darrell Fort	Lee Hall
John Braddock	Paul Creighton	William Frenzel	Steven Hamman
James Brown	Mark Deatherage	Linda Frison	J. Timothy Hanlon
Wayne Burton	Karen Drlica	Charles Fritz, Jr.	Vern Harpole
John Caffaratti	George Edwards	Pamela Fuqua	Sidney Harr
Daniel Cammack	Christen Eidal	Gary Gambill	Larry Heinonen
Ralph Carter	David Elliott	Gregory Gent	Cline Hickok

ENROLLMENT

Bruce Ito
Kirk Jacobson
Kraig Jacobson
John Knudsen
James Kopp
Alex Kutas
John Lasater
Gordon Lee
Sam Lin
Robert Lindgren
Arthur Livermore
John Lobitz
Gary Lord
Randall Lorenz
Gregory Lorts
James Maras

J. Michael Matthews
Shirley Mayer
John McGahan
Michael Metke
Joseph Meurer, Jr.
John Miller
Dennis Minister
Larry Nagel
Cheryl Neal
Raymond Norgaard
Kenneth Orwick
Larry Park
James Parosa
Madison Patrick
David Perlman
Donald Peterson

Kent Pressman
Robert Rankin
Robin Reece
J. Warren Reid, Jr.
Dwayne Rice
Dean Rinard
Rex Rolfe
Craig Romney
Terry Rustin
Gary Sahlstrom
Edward Sale
S. Michael Sasser
Donald Schiller
Steven Schilperoort
James Schmidgall
Craig Schmidt

Charles Schneider
David Seeley
Miles Seeley
John Shaw
P. Thomas Slominski
Stephen Stewart
James Sutton
Richard Viken
W. Lawrence Warner
Cody Wasner
David Watson
Bonnie Weiner
A. Peter Weir
Robert Yood
J. Lawrence Zagata

Third Year Class

Paul Allen
Kenneth Ampel
Douglas Anderson
Robert Anderson
George Barker
Stacy Berube
Susan Birkemeier
Gerald Bishop
William Bissell
Donald Blanchard
David Blumfield
Michel Boileau
Calvin Brenneman
Doyle Brown
Ralph Burke, Jr.
Perry Camp
Robert Cedergreen
David Cutsforth
Frederick David
Michael Donley
Jon Dresser
Gary Ellibee

Robert Fleer
Phillip Gilbertson
Timothy Gleeson
Thomas Gospodnetich
Ronald Grewenow
David Grube
Howard Harrison
H. Thomas Harvey, Jr.
Richard Hawkins
Bernard Hill
Thomas Hodge
Karen Ireland
John Jendrzejewski
Peter Kapernick
Robin Kenny
Victor Kiesling, Jr.
John Kitzhaber
Alan Larson
Donald Lasselle
Hubert Leonard
John Ligon
John Lyman

Maureen Mack
Dennis Mackey
Michael Markham
H. Stuart Markwell
Joel Matta
Jean McCusker
Gregory Mecklem
Nicholas Mecklem
J. Patrick Merriek
Frank Moore
Laurie Moore
Glenn Morgan
Ray Nicola
Paul Norris
Ronald Oldroyd
Michael Olsen
Barry Olson
Eric Olson
Dennis Pavlinac
Donald Peters
Ernest Peterson
Benjamin Podemski

David Porter
Virginia Rankin
Joseph Rapp
Edward Robert
Thomas Rosenbaum
Marilyn Rudin
M. Craig Sandberg
Ronald Sharp
Guy Silva
Stephen Snyder
Danny Sparks
Key Stage
Kenneth Sunamoto
Daniel Thompson
Paul Thompson
Barry Trowbridge
James Tysell
Fred Underwood
Grant Van Houten
Mary Weare
James Wilson

Fourth Year Class

Mark Adams
Nancy Adams
James Allen
Richard Alley
Regina Atcheson
Steven Atcheson
Rodney Bell
Marvin Benson
Bruce Blank
R. Steven Brisbois
Thomas Bristol
John Brookhart
George Cameron
Lawrence Cheldelin
Glen Church
Edward Clarke
John Cornwell
Steven Cox
Leslie Dillow
Gerald Ebner
Terry Edwards
Mary Fowler
Keith Griffin
John Hamm
Keith Harless

Kenneth Haycraft
Michael Herring
Ronald Hofeldt
J. Thomas Hoggard, III
Donald Houghton
Robert Huston
Ann Jensen
David Jonasson
Robert Jordan
Richard Joslin
Michael Kaempf
John Kearney
Kip Kemple
C. Francis Kenyon
John Kimbrough
Richard Knudson
Bryan Laycoe
James Lea
Douglas Lieuallen
Robert Lipke
Daniel Lowe
Judd Lunn
William Marsh
Michael McCleskey
Frank McCullar

Ronald McGee
Thomas McKim
Michael Merrick
Michael Metcalf
Philip Miller
Robert Moore
Daniel Morris
D. Curtis Mumford, Jr.
Michael Mundell
Martin Muth
Robert Myers
Stanley Neal
Harry Newman
E. Mark Nichols
Robert Nimmo
David Noall
Dana Noziger
Ralph Oler
Mark Olson
Jeremy Ota
James Petersen
W. Eugene Petty
Richard Phipps
Donald Piper
Robert Poole

Jock Pribnow
James Price
Thomas Ray
Harry Rinehart
James Robbins
John Schenk
Don Schmitt
David Schoening
Kit Smith
Ronald Sproat
Dennis Stone
Donald Storey
Richard Takao
Cheryl Taubman
Larry Tice
William Vogelpohl
Frederick Waller
Needham Ward
William Weare
Paul Wilson
R. Wayne Wood
Alexander Worobey

ENROLLMENT AND DEGREES

Graduate Students

Judy Alexander	Sally Fairchild	James Maylie	John Scott
Jack Alhadeff	Richard Gillette	Curtin Mitchell	Jane Siegel
Allyson Ashley	Steven Goodstein	Haide Nezam-Tehrani	Norman Smith
Phillip Bach	Daniel Gray	Mavis Nickels	Robert Smith
Marilyn Baltz	Richard Harkins	Steven Packham	Virginia Spangler
Sharon Billings	David Hess	Ethel Polonoff	Gene Stainbrook
Lawrence Bitte	John Jennings	Arnold Poutala	Peter Stenzel
J. Michael Bowers	Deanne Johnson	James Rademacher	Forrest Streb
William Brunnhoezl	Dean Jones	Dwain Reed	Thomas Vedvick
Gary Calandra	Glenn Knitter	Larry Rich	Robert Velandier
Richard Carlsen	Robert Knox	Lee Robertson	Garrett Wada
William Corry	Alphonse Krystosek	Stuart Rosenblum	Junro Wakayama
Stephen Edney	David Lilley	Eunice Rosner	
Lynn Elwell	Glen Martin	Joseph Rourke, Jr.	
Kent Erickson	Brenda Martin	William Schuff	

Non-Degree Students

Deanne Benson	Alice Hansen	Robert Mixon	John Turner
Michael Duvall	Robert Kiger	Mark Palmer	Erwin Weichel
Leonard Evans	Adam Lis	George Thomas	Virginia Yezpe

Medical Technology

Francis Allen	Shauna Galloway	Patricia McKinley	Elizabeth Ramsey
Ann Bailey	Carmen Garrett	Franklynn Messerschmidt	Kathy Roberts
Salma Barhoum	Sylvia Grant	Jeanette Meyer	Kathleen Spezza
Susan Barzee	Jon Hanada	Melba Moon	Craig Terry
Marilee Beckley	Andee Hastings	Charlene Morishita	Nancy Tu
Cynthia Campbell	Wendolyn Hongo	James Munly	Lorene Van Hoeter
Larry Carr	Marie Howard	Dennis Netter	Judith Vice
Po Chan	Jean Johnson	Susan Neuman	Christina Warren
Kathy Davidson	Rise Johnson	Shannon O'Harra	Janice White
Dee Douglas	Carol Johnston	Kathleen Otjen	Johanna Wild
Lois Egan	Karen Jordan	Susan Petrey	Roseanne Wood
Nancy Eldridge	Nancy Marqueling	Peggy Plett	Diana Woodard
Carol Enyart	Gloria Martin	Diana Rainer	

Summary of Enrollment 1971-1972

	Men	Women	Total
First Year	88	8	96
Second Year	90	9	99
Third Year	79	8	87
Fourth Year	91	6	97
Total Regular Students	348	31	379
Graduate Students	42	10	52
Special Students	4	2	6
Medical Technology Students	7	44	51
Total	401	87	488

INDEX

Acceptance of appointment	30	Housing	17
Accreditation	13	Immunology and Allergy	56
Administration	13	Infectious Disease	57
Administrative officers	7	Instruction	13
Admission requirements	28, 72	Internships	81
Advanced standing	31	Library	15
Alumni Association	15	Licensure	35
Anatomy	39	Loan funds	23
Anesthesiology	51	Medical College Admission Test	29
Application procedure	29	Medical Genetics	42
Athletics	16	Medical Psychology	43
Awards	21	Medical technology	72
Bachelor's degree	29	Medicine	53
Basic Sciences	38	Microbiology	45
Biochemistry	40	Nuclear medicine technology	77
Calendar	8, 74	Neurology	57
Campus map	iv	Neuropathology	46
Cardiology	54	Neurosurgery	67
Cardiopulmonary Surgery	67	Nonresident fee	20
Chest Diseases	55	Nursing	81
Class attendance	32	Obstetrics and Gynecology	59
Clinical Pathology	51	Ophthalmology	60
Clinical Sciences	50	Oregon State System of Higher Education	4, 5, 6
Combined M.D.-M.S. program	80	Orthopedics	67
Combined M.D.-Ph.D. program	80	Orthoptics	78
Conjoint courses—Basic Medical Science	38	Otolaryngology	61
Conjoint courses—Clinical Science	50	Pathology	46
Continuing medical education	79	Pediatric Surgery	68
Course numbering system	35	Pediatrics	61
Curriculum in medicine	33	Perinatology	59
Cytotechnology	77	Personal interview	30
Degree requirements, medicine	34	Pharmacology	48
Degrees conferred 1972	128	Physical examination	30
Dentistry	61	Physical facilities	10
Description of courses	37	Physical Medicine and Rehabilitation	68
Dermatology	52	Physiology	48
Diabetes and Metabolism	55	Postgraduate education	79
Dismissal	32	Premedical requirements	28
Elective courses	32	Prescribed courses, medicine	34
Emeritus faculty	86	Promotion	31
Employment	20	Psychiatry	62
Endocrinology	55	Public Health and Preventive Medicine	64
Enrollment	132	Radiation Therapy	65
Environmental Medicine	64	Radiation therapy technology	78
Evaluation of credentials	30	Radiologic Diagnosis	65
Executive faculty	84	Radiologic Technology	78
Experimental Biology	42	Renology	55
Faculty	83	Requirements, Doctor of Medicine degree	34
Faculty committees	84	Requirements, graduate degree	80
Family Practice	52	Research	15
Fees and expenses	18	Residency programs	81
Fellowships	21	Rheumatology	57
Five-year program	80	Scholarships	21
Gastroenterology	56	Scholastic regulations	31
General information	9	Social activities	16
Grading system and grades	31	Special students	30
Graduate Studies	31, 80	Student organizations	16
Grants-in-aid	21	Surgery	66
Health Service	17	Urology	68
Hematology	56	Veterans information	21
High school preparation	28		
History	10		
Hospital Dietetics	77		

- 1 LIBRARY AND AUDIO/VIDEO
- 2 MACQUETTE HALL, SCHOOL OF NURSING
- 3 MEDICAL RESEARCH BUILDING, CLINICAL BUILDING
- 4 CLINICAL LABORATORIES BUILDING
- 5 OUTPATIENT CLINIC
- 6 OUTPATIENT CLINIC
- 7 MULTIMEDIA HOSPITAL
- 8 KATHARINE PAUL CLINIC, MAINTENANCE, AND HEATING PLANT FOR MULTIMEDIA HOSPITAL
- 9 UNIVERSITY OF OREGON DENTAL SCHOOL
- 10 UNIVERSITY OF OREGON MEDICAL SCHOOL HOSPITAL AND STUDENT ACTIVITIES BUILDING
- 11 PHYSICAL PLANT BUILDING (GYM, WAREHOUSE, AND GYMNASIUM)
- 12 UNIVERSITY STATE TUBERCULOSIS HOSPITAL
- 13 CANINE HALL
- 14 CANINE HALL
- 15 CANINE HALL
- 16 CANINE HALL
- 17 CANINE HALL
- 18 CANINE HALL
- 19 CANINE HALL
- 20 CANINE HALL
- 21 CANINE HALL
- 22 CANINE HALL
- 23 CANINE HALL

- 24 PORTLAND JUNG STATION NO. 2
- 25 PORTLAND JUNG STATION NO. 3
- 26 PORTLAND JUNG STATION NO. 4
- 27 PORTLAND JUNG STATION NO. 5
- 28 PORTLAND JUNG STATION NO. 6
- 29 PORTLAND JUNG STATION NO. 7
- 30 PORTLAND JUNG STATION NO. 8
- 31 PORTLAND JUNG STATION NO. 9
- 32 PORTLAND JUNG STATION NO. 10
- 33 PORTLAND JUNG STATION NO. 11
- 34 PORTLAND JUNG STATION NO. 12
- 35 PORTLAND JUNG STATION NO. 13
- 36 PORTLAND JUNG STATION NO. 14
- 37 PORTLAND JUNG STATION NO. 15
- 38 PORTLAND JUNG STATION NO. 16
- 39 PORTLAND JUNG STATION NO. 17
- 40 PORTLAND JUNG STATION NO. 18
- 41 PORTLAND JUNG STATION NO. 19
- 42 PORTLAND JUNG STATION NO. 20
- 43 PORTLAND JUNG STATION NO. 21
- 44 PORTLAND JUNG STATION NO. 22
- 45 PORTLAND JUNG STATION NO. 23
- 46 PORTLAND JUNG STATION NO. 24
- 47 PORTLAND JUNG STATION NO. 25
- 48 PORTLAND JUNG STATION NO. 26
- 49 PORTLAND JUNG STATION NO. 27
- 50 PORTLAND JUNG STATION NO. 28
- 51 PORTLAND JUNG STATION NO. 29
- 52 PORTLAND JUNG STATION NO. 30
- 53 PORTLAND JUNG STATION NO. 31
- 54 PORTLAND JUNG STATION NO. 32
- 55 PORTLAND JUNG STATION NO. 33
- 56 PORTLAND JUNG STATION NO. 34
- 57 PORTLAND JUNG STATION NO. 35
- 58 PORTLAND JUNG STATION NO. 36
- 59 PORTLAND JUNG STATION NO. 37
- 60 PORTLAND JUNG STATION NO. 38
- 61 PORTLAND JUNG STATION NO. 39
- 62 PORTLAND JUNG STATION NO. 40
- 63 PORTLAND JUNG STATION NO. 41
- 64 PORTLAND JUNG STATION NO. 42
- 65 PORTLAND JUNG STATION NO. 43
- 66 PORTLAND JUNG STATION NO. 44
- 67 PORTLAND JUNG STATION NO. 45
- 68 PORTLAND JUNG STATION NO. 46
- 69 PORTLAND JUNG STATION NO. 47
- 70 PORTLAND JUNG STATION NO. 48
- 71 PORTLAND JUNG STATION NO. 49
- 72 PORTLAND JUNG STATION NO. 50
- 73 PORTLAND JUNG STATION NO. 51
- 74 PORTLAND JUNG STATION NO. 52
- 75 PORTLAND JUNG STATION NO. 53
- 76 PORTLAND JUNG STATION NO. 54
- 77 PORTLAND JUNG STATION NO. 55
- 78 PORTLAND JUNG STATION NO. 56
- 79 PORTLAND JUNG STATION NO. 57
- 80 PORTLAND JUNG STATION NO. 58
- 81 PORTLAND JUNG STATION NO. 59
- 82 PORTLAND JUNG STATION NO. 60
- 83 PORTLAND JUNG STATION NO. 61
- 84 PORTLAND JUNG STATION NO. 62
- 85 PORTLAND JUNG STATION NO. 63
- 86 PORTLAND JUNG STATION NO. 64
- 87 PORTLAND JUNG STATION NO. 65
- 88 PORTLAND JUNG STATION NO. 66
- 89 PORTLAND JUNG STATION NO. 67
- 90 PORTLAND JUNG STATION NO. 68
- 91 PORTLAND JUNG STATION NO. 69
- 92 PORTLAND JUNG STATION NO. 70
- 93 PORTLAND JUNG STATION NO. 71
- 94 PORTLAND JUNG STATION NO. 72
- 95 PORTLAND JUNG STATION NO. 73
- 96 PORTLAND JUNG STATION NO. 74
- 97 PORTLAND JUNG STATION NO. 75
- 98 PORTLAND JUNG STATION NO. 76
- 99 PORTLAND JUNG STATION NO. 77
- 100 PORTLAND JUNG STATION NO. 78
- 101 PORTLAND JUNG STATION NO. 79
- 102 PORTLAND JUNG STATION NO. 80
- 103 PORTLAND JUNG STATION NO. 81
- 104 PORTLAND JUNG STATION NO. 82
- 105 PORTLAND JUNG STATION NO. 83
- 106 PORTLAND JUNG STATION NO. 84
- 107 PORTLAND JUNG STATION NO. 85
- 108 PORTLAND JUNG STATION NO. 86
- 109 PORTLAND JUNG STATION NO. 87
- 110 PORTLAND JUNG STATION NO. 88
- 111 PORTLAND JUNG STATION NO. 89
- 112 PORTLAND JUNG STATION NO. 90
- 113 PORTLAND JUNG STATION NO. 91
- 114 PORTLAND JUNG STATION NO. 92
- 115 PORTLAND JUNG STATION NO. 93
- 116 PORTLAND JUNG STATION NO. 94
- 117 PORTLAND JUNG STATION NO. 95
- 118 PORTLAND JUNG STATION NO. 96
- 119 PORTLAND JUNG STATION NO. 97
- 120 PORTLAND JUNG STATION NO. 98
- 121 PORTLAND JUNG STATION NO. 99
- 122 PORTLAND JUNG STATION NO. 100

University of Oregon Medical School

3815 W. SAM JACKSON PARK ROAD, PORTLAND, OREGON 97201 - AREA CODE: 503 - TEL: 281-3811

