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OREGON STATE UNIVERSITY, Corvallis, Vol. 10, No. 1, Jan. 1976

oregon stater



After sailing from the Atlantic through the Panama Canal and, finally under the Newport bridge, Oregon State's Wecoma ties up at her new home port at the OSU Marine Science Center. For the photo story, see page 6. (Photo by John Bragg, Corvallis Gazette-Times)

For winter wheat...

Herbicide tested

A new herbicide which could dramatically increase winter wheat production in western Oregon is being tested at Oregon State.

"The wheat production increase should bring in at least \$5 million each year in additional revenue to Willamette Valley wheat growers," said Arnold P. Appleby, crop scientist.

The herbicide, developed by a German company, is highly toxic to Italian ryegrass and wild oats, two major weed problems in western Oregon wheat.

In experiment station tests conducted over three years by the OSU Agronomic Crop Science Department's weed research group, wheat yields have been increased 20-40 bushels an acre over test plots treated with the standard commercial herbicide. The tests were replicated five times in six locations heavily infested with Italian ryegrass and wild oats.

"Growers won't have to take additional precautions in applying the herbicide," Appleby said. "It is in the same toxicity range as 2,4-D, a commonly used wheat herbicide."

The date when the herbicide will be available on the market is still uncertain. There were experimental sales in Europe and Canada in 1975 and full registration is expected in those areas within the next two years. In the U.S., registration procedures are much slower because of stringent governmental regulations. Although the firm has applied to the U.S. Environmental Protection Agency for an experimental label, full registration may not be granted until 1979.

Preliminary studies have shown that the herbicide can persist in the soil up to 10 months although usually it is gone after four months. It has not presented problems to different crops planted the following year and no herbicide residue has been found in harvested grain.

"The new herbicide will be important for grass control in other crops, including volunteer corn in soybeans," said Appleby. "It also may be useful in growing potatoes, sugar beets, and other broadleaf crops but has little effect on broadleaf weeds."

Cost of the herbicide to the grower has not been determined.

Manpower Institute established

An Institute for Manpower Studies has been established at Oregon State to spearhead and coordinate research, educational and publications programs that focus on manpower policies and problems such as unemployment.

Gary W. Sorenson has been named Institute director, according to Roy A. Young, vice president for research and graduate studies.

Formerly the chairman of the Department of Economics, Sorenson has been in charge of administering annual \$100,000 grants received by the university since 1974 from the U.S. Department of Labor. With the grants comes the responsibility for training manpower administrators in Region 10 of the U.S. (Alaska, Idaho, Oregon and Washington).

Sorenson also heads a \$25,000 Technical Assistance and Resource Project. Its purpose is to "identify, collect, organize and synthesize the multitude of resources which exist and which are relevant to the administration of the 1973 federal Comprehensive Employment and Training Act."

Historic involvement in career education

"The project is charged with the responsibility for recommending how the federal government can organize and make available the results of past research and experiences in ways which will be useful to the design and administration of present and future man-



power and training programs," Sorenson explained.

An \$8,500 contract has been signed also by Sorenson and his co-workers to carry out manpower planning work in Columbia County.

Establishment of the Institute for Manpower Studies grew out of the university's interest and leadership in the manpower field, it was noted.

"This extends from the institution's historic involvement in vocational-career education, the professional training and continuing education programs of the various professional schools, and OSU's pioneer work in the gerontology and institutional management areas," Sorenson said.

Training of Region 10 manpower leaders is accomplished in two ways under the annual \$100,000 grants, he added.

The first is an on-campus Manpower Management Program that prepares bachelor's and master's degree graduates for jobs as manpower administrators and planners.

(Continued on page 2)



WE'RE TROUNCING
UCLA!

Don Ryan's Barometer camera caught the reaction at Gill Coliseum for one of the Beavers' greatest wins. For the story of the big basketball week, see page 18.

Also, a new football coach and staff -- page 17.

Enrollment record set

Winter term enrollment is following the record pattern of fall.

As of Jan. 23 with a few more late registrations still to come, the student sign-up totaled 16,118. This is 2 per cent more than the 1975 final winter term figure of 15,809.

Fall term enrollment was 16,601, compared to 15,946 last fall.

The 16,000-plus totals for fall and winter terms this year are the first ever for Oregon State.

The School of Engineering leads the way in increases. The fall term engineering enrollment total of 2,256 was a record high, 20 per cent more than the previous fall. The Schools of Health and Physical Education, Agriculture, Business and Forestry also recorded good enrollment gains.

Graduate School enrollment is up about 10 per cent with 2,700 working this year for master's and doctor's degrees.

Slabaugh acting dean...

Castle resigns Graduate School post

Emery N. Castle, dean of the Graduate School since 1972, joined Resources for the Future, Inc., Washington, D.C., Jan. 1 as vice president and senior fellow.

RRF is a non-profit research and educational organization that focuses on the development, conservation and use of natural resources and improvement of the quality of the environment. It was established in 1952 with the cooperation of the Ford Foundation.

Slabaugh to OSU in 1953

Named acting dean of the Graduate School is Wendell H. Slabaugh, chemistry professor at OSU since 1953. Slabaugh became assistant dean of the Graduate School on a half-time basis in 1961 and was promoted to associate dean in 1965.

Castle, at OSU since 1954, had both teaching and research responsibilities in the Department of Agricultural Economics until 1965, when he became dean of faculty. He returned to agricultural economics as department head in 1966, continuing in that position until 1972.

Castle received Alumni award

In 1970, Castle received the annual \$1,000 Distinguished Professor Award sponsored by the OSU Alumni Association. He has been president of both the American Agricultural Economics Association and the Western Farm Economics Association; chairman and member of the Oregon Water Policy Review Board; and director of OSU's Water Resources Research Institute. He headed the University's nationally-recognized project on "Man and His Activities as They Relate to Environmental Quality," funded by the Rockefeller Foundation.



Emery N. Castle



Wendell H. Slabaugh

Slabaugh, in his 22 years at OSU, has won five campus, state and national teaching awards. The most recent, in 1973, was a \$1,000 U.S. excellence in teaching honor from the Manufacturing Chemists Association. He is a past president of the Oregon Academy of Science, and has been chairman of the American Chemical Society's Division of Chemical Education. He is co-author of chemistry and physical science textbooks used nationally and internationally. He was one of the pioneers in teaching by television.

New track coach named

Oregon State's new track and field coach is Steve Simmons, 32-year old former head coach at Cal Poly-San Luis Obispo.

Simmons was named Jan. 10 to succeed Berny Wagner who resigned late in the fall to accept a coaching assignment in Saudi Arabia. Like Wagner, Simmons has gained most notice as a coach of jumping events, but he also has had outstanding athletes in other events. His 1974 Cal Poly team won the NCAA Division II national championship.

As a coach, he helped develop 38 All-Americans, including several Division I champions.

Simmons was selected over Chuck McNeil, OSU assistant coach since 1965, and three others from the large original list of applicants who were interviewed for the post.

There will be more information on Coach Simmons and his plans for the Beaver track and field program in the March edition of the Oregon Stater.

Moving? Just moved?

If you're one of the many Oregon Staters on the move, please let us know your new address as soon as possible. Simply fill in that new address in the space below and clip --- along with your old label --- and mail to OSU Alumni Association, 104 MU Bldg., Corvallis, Ore. 97331. Same goes for a name change.

Name (please print)

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Dana Ottoman, senior in agriculture from Malin, edits copy for Ag Newsnotes at journalism department's new video display terminal. The paper tape punch at

her left converts copy to perforated tape that can be "read" by a type-setting machine. (Photo by Jim Folts)

Electronic era opened for journalism students

Technical journalism students at the University entered the electronic era this past fall, thanks to an anonymous donor who provided the journalism department with a video display terminal.

This term (winter) the capacity for student instruction in computer reporting and editing was tripled when two more VDT's were purchased with an \$8,000 grant from the Jackson Foundation. The Foundation, formed when the Oregon Journal was sold to the Newhouse interests, annually makes educational and charitable grants in Oregon.

The newly-acquired instruments allow a student to compose a story at the keyboard, just as reporters are doing at an increasing number of newspapers. As words appear on the screen, the operator, with the touch of a button, can make any needed changes. When satisfied with the

copy, a touch on another code button "tells" the VDT what type and margin width to use. In a final step, the VDT converts the article into perforated tape that can be fed into a type-setting machine.

Using the machines, students are producing copy for three publications. Two are 4-page tabloids, "The Reporter," for students living in residence halls, and "Ag News-notes" for agriculture students and staff. The third, "University Engineer," is a slick-paper magazine sponsored by the Engineering Student Council. It is supported by advertisements by national business concerns.

Scheduled for release this term is a large tabloid featuring the best student photos, stories, features and advertisements from fall term journalism classes.



Earl O. Dickinson

Dickinson appointed assistant dean

Earl O. Dickinson, associate professor of veterinary medicine at OSU, has been named assistant dean of the new OSU School of Veterinary Medicine by OSU President Robert MacVicar.

MacVicar also appointed an assistant to Dean E. E. Wedman of the Veterinary Medicine School. He is Kermit Peterson, professor of veterinary medicine.

Wedman said Dickinson's major area of responsibility will be to undergraduate instruction, a proposed graduate professional program in veterinary medicine and graduate education programs being developed plus continuing education for practicing veterinarians throughout the state.

As assistant to the dean, Peterson will be liaison between the School of Veterinary Medicine and the Oregon Agricultural Experiment Station and the Extension Service.

Dickinson, a native of Kansas City, Mo., has been a member of the OSU faculty since Aug. 1, 1974. He has a doctor of veterinary medicine degree from Colorado State University and a doctorate in pathology from Washington State University.

Before joining OSU, Dickinson was associate dean of students and curriculum at the College of Veterinary Medicine at Washington State.

Manpower...

(Continued from page 1)

The second is through workshops and training seminars that are held throughout the region as needs are reported by city, county, state and federal officials and agencies. These center on such topics as labor market analysis, forecasting manpower needs, and improved worker utilization.

Faculty members from the School of Business and the College of Liberal Arts play major roles in most of the off-campus workshops and seminars.

Business, Liberal Arts play major roles

Under the Manpower Management Program also, a series of publications has been initiated. Titles of the four to date include Manpower Management Budgeting, Management Information Systems, Contemporary Issues in Manpower Policy and A Primer on Federal Legislative and Budgetary Processes: A Focus on CETA (Comprehensive Employment and Training Act) and Related Manpower Programs.

Authors have been Jack C. Bailes and William L. Harrison, School of Business professors; Sorenson and Gene S. Leonardson, political science instructor and a part-time staff member of the new institute. Other institute staff members include William R. Woodfin and George Endicott, who is coordinating the Columbia County work.

The institute will provide management services and resources for organizations desiring them on a contract basis, Sorenson said, and will expand its research, training and educational programs.

He was named outstanding teacher of the WSU College of Veterinary Medicine in 1972 and is a diplomate of the American College of Veterinary Pathologists, a member of the International Academy of Pathology and other professional organizations. Dickinson's research includes acute pulmonary emphysema of cattle and tansy ragwort toxicities in livestock.

Peterson, a native of Duluth, Minn., has a bachelor's degree from the University of Minnesota and a DVM degree from Colorado State University. He joined the OSU faculty in 1959 after operating a Salem veterinary hospital which he owned.

Chairman of the OSU Veterinary School Site Committee, member of the American Veterinary Medical Association and other professional organizations, Peterson, in addition to teaching, has been doing research on anaplasmosis, a major cattle disease, and mastitis in dairy cattle.



Students and faculty were caught in the rain between classes in early January and Barometer photographer Don Ryan was out with his camera. One of those rare winter days in the Willamette Valley, needless to say.

The interesting photo will bring back memories for some alumni, but seem strange for some others because of the number of umbrellas, particularly those carried by the men. According to some alumni who go back to pre-World War II and earlier, there was a time when there were only three or four male-owned umbrellas on campus. And these were owned by ultra-conservative, old faculty mem-

bers considered far behind the times. Most of the male students and faculty suffered proudly and damply, we're told. Some alumni may have a comment or two on this.

There still are alumni and faculty in Benton County who have vowed to never own an umbrella. On the other hand, a great many of the past 30 set are happy the students declared umbrellas "in." Apparently, nobody gave the students a good reason why not. As one sage professor put it, "This generation of students knows enough to go out into the rain under an umbrella."

ROTC commandant appointed

A new professor of military science and commandant of the Army ROTC unit has been named at Oregon State.

He is Lt. Col. Don F. Snow, who came to OSU from Fort Dix, N.J., where he had commanded a training battalion. Snow succeeds Col. Ejner J. Fulsang, Jr., who retired this summer.

Snow began his military career by joining the Idaho National Guard and then enlisting in the regular army in 1953. He attended officers school at Fort Sill, Okla., and received a commission in armor in 1956.

He has had two tours of duty in Vietnam and two in Europe. He received his bachelor's degree from the University of Omaha and his master's degree from Kansas State University.

Army ROTC has enrolled 115 students this fall, Snow noted, 18 more than at the end of last year. Students who successfully complete the program receive their second lieutenant commission at graduation along with their degree from an academic school.

Military training dates back to 1872 at OSU and the university is now one of only 33 universities in the U.S. that offers officer training in all branches of the service.



Lt. Col. Don F. Snow

Research may aid antibiotics

Oregon State University research is providing new insight into the vital protein and nucleic acid interactions that appear central to all life.

The work by Dr. Henry W. Schaup suggests the possibilities some day for tailor-made antibiotics.

The ribosome, a tiny particle that is found in all cells—bacterial and human, is being used by Schaup to examine protein and nucleic acid associations. The research involves some of the largest molecules known.

"The ribosome is essential for protein synthesis in the cell," Schaup explains. It is like a little machine or computer that translates genetic information into a protein.

"This machine can be taken apart and separated into its protein and nucleic acid components and be put back together in a test tube. This reassembled ribosome is indistinguishable from that found in cells. The primary question then, of course, is what are the biological coding principles that are involved in this reassembly process," the biochemist continued.

"If you understand how something works, you can then do something about control or affecting it. One of the things we could possibly do is to block in pathogens the assembly of this essential component in the protein synthetic system."

Health Service grant of \$26,600

Understanding the coding principles between proteins and nucleic acids "could lead to the development of a whole new class of antibiotics that can be engineered to very specific situations," Schaup believes. A tumor virus is an example of a system in which findings might be used some day to formulate a pharmacological agent which would block virus cell development and multiplication.

Schaup's research is supported this year by

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a \$26,600 grant from the U.S. Public Health Service. He also holds a coveted five-year PHS career development grant that pays his salary through 1980.

Assisting on the project are Emile Firpo, graduate student, and Julia L. Bruce, research technician. Dr. Cynthia Cowgill, will be joining the research group in the spring as a National Institutes of Health post doctoral fellow.

Schaup came to OSU two years ago. Earlier he was on the University of Illinois microbiology staff and the University of Wisconsin zoology staff. He received his doctorate degree from Colorado State University in physiology and biophysics.

OSU ALUMNI ASSOCIATION

VIKING ADVENTURE

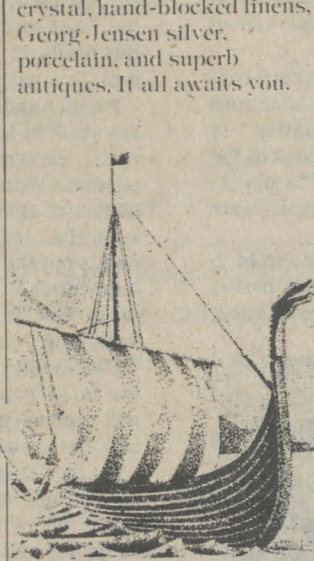
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Sitton resigns, returns to teaching

Dr. Gordon R. Sitton, director of international education at OSU for nine years, is resigning to return to full-time teaching and research.

His resignation is effective June 30, 1976. Sitton, an OSU 1940 graduate, will go back to the Department of Agricultural and Resource Economics where he has been a member of the faculty since 1955. His appointment as the university's first director of international education came in 1966.

The international education office of the university provides advising to foreign students attending Oregon State and administers foreign study programs in cooperation with the Oregon State System of Higher Education. Other functions include the operation of an intensive English Language Institute and special training programs for international groups.

700 from 70 countries

During Sitton's nine years as director, the number of foreign students at OSU grew from 450 coming from 57 countries in 1966 to an all-time high of nearly 700 from 70 countries this fall.

Programs for study abroad have been initiated and developed during the period with 106 students studying this fall in overseas programs administered by OSU.

Overseas study programs include study centers at University of Poitiers, France; Universities of Stuttgart, Tubingen, Hohenheim and Mannheim in Germany; and Waseda University in Tokyo, Japan.

In addition, Oregon State is involved in an exchange program with Lincoln College in Canterbury, New Zealand, for upperclass students in agriculture and the World Campus Afloat program where students get a semester of shipboard education while making study visits to cities around the world.



Gordon Sitton

Returned to OSU in 1955

Sitton came to Oregon State in 1955 from University of California at Davis. He has a bachelor's degree from Oregon State in agriculture and the doctorate from Stanford in economics.

He is co-author of one book, "Farm Management Manual and Guide to Reorganizing a Farm," and has published many articles and papers on agricultural economics and economic development, several of which have been translated for publication in other countries.

Stuart Knapp, dean of undergraduate studies, has named a seven-member committee to conduct a search for a successor to Sitton.

Members of the committee are Fred Harris, professor of philosophy; Leo Parks, professor of microbiology; Shirley Kingsbury, Corvallis, president of Crossroads, a group of Corvallis-area persons who work with foreign students; Geri Auel, of the international education staff at OSU; Ron Wrolstad, associate professor of food science and technology; Anne Perera, graduate student in foods and nutrition; and Christopher L. Marsh, senior in computer science.

New building aids poultry research

A new building at OSU may help put better poultry products on your table.

The specialized research facility, built last year, was filled this fall with more than 2,400 hens and 100 roosters. Scientists from the OSU Department of Poultry Science are conducting experiments in poultry genetics, nutrition, management and physiology in the new building.

"This unit contains most of the adult chicken population formerly housed in the central poultry research facility on the main campus," said George Arscott, poultry science department head. "After fire destroyed a building in 1968, we've been cramped for research room. This new building will make a big difference to our research at all levels."

The metal building, which cost \$46,000 is on the OSU South Farm near Gill Coliseum. It is 40 feet wide and 160 feet long and includes two feed storage rooms. Bird cages are arranged in two aisles of 28 horizontal rows which helps keep research projects separate.

Donations help equip

"When the building was finished, we turned our attention to equipping the research facility," Arscott said. "Donations of both money and equipment helped enormously."

Some specialized items and features of the new poultry building include a forced-draft ventilation system controlled by thermostats.

Lights dim and brighten with the help of electrical timers and water is turned on and off at specific times with the aid of solenoids attached to other timers.

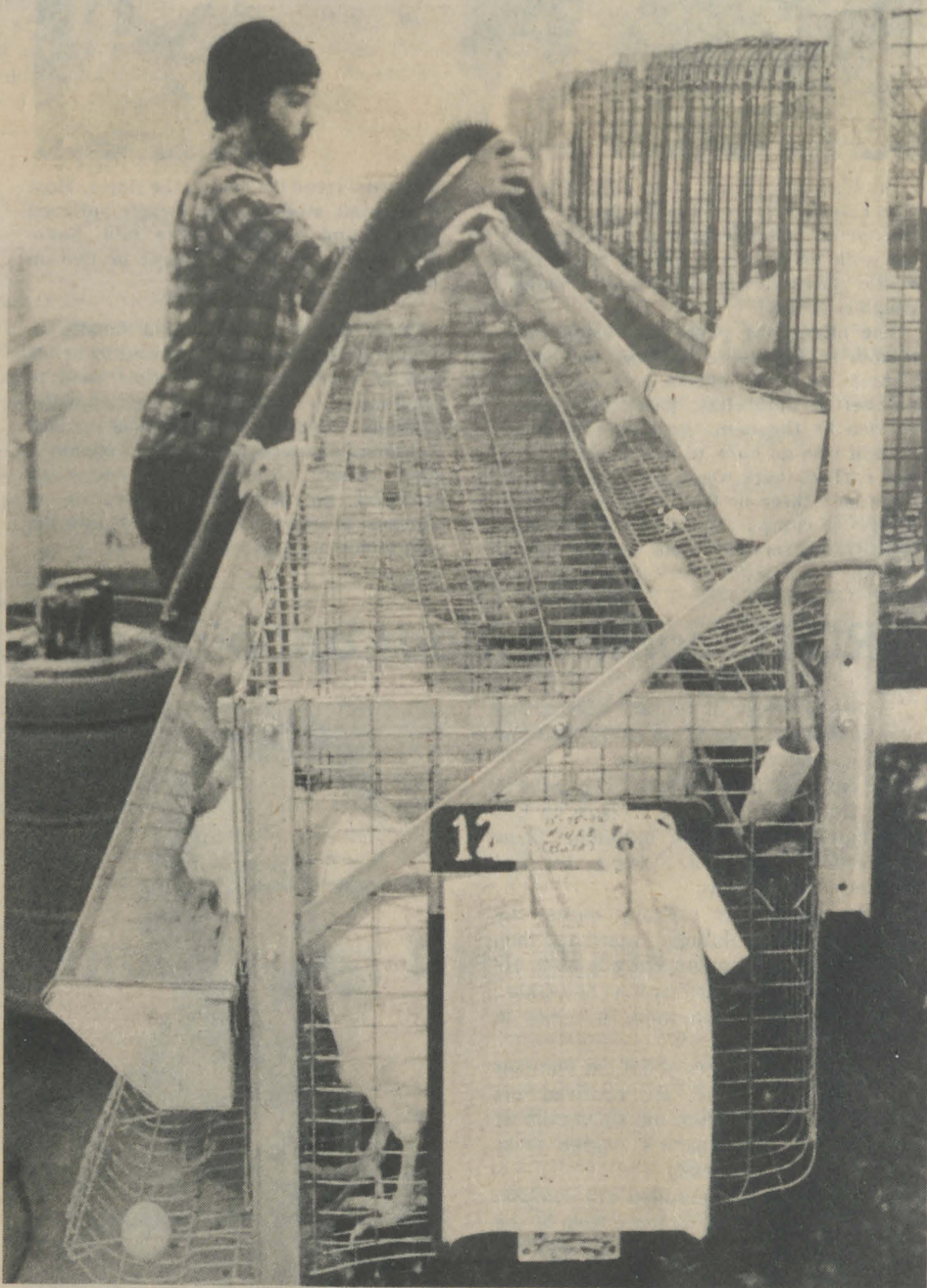
Mixed feed is kept in galvanized cans at the end of each row and fed to the birds in pre-measured amounts. Feed left by the chickens is vacuumed out of the feed trough at 28-day intervals and weighed so exact feed intake can be computed.

"This is probably one of the more advanced poultry research facilities now in use," Arscott said. "In one building, we have room for birds for undergraduate instruction and graduate research projects as well as space for research birds used by faculty members. This building has taken the place of five of our older buildings located on another plant but which will still be used for young chickens."

Also located on the South Farm poultry plant are chicken houses which date back to 1908 and reflect almost all stages of poultry housing.

"The only thing lacking in the new building is a way to create different environments. Future plants for the university area indicate that during the next 10 years, all our research facilities will be moved from the central campus area to the South Farm," Arscott said.

"At that time we hope to have a facility with individually controlled rooms, but for now, we can accomplish a great deal with the new building," he said.



Biology aide Robert Gerding vacuums out feed troughs in OSU's new poultry research building. OSU poultry scientists said better cage arrangement and simplified maintenance in the new facility will increase research efficiency.

Oregon population shifts

Changes in Oregon's population in recent years have affected various facets of life in the state in ways not immediately apparent to the casual observer.

A declining birthrate, for example, will eventually lessen the need for new schools. At the same time, however, the state's large post-retirement population may demand more educational service in communities around the state.

The effect of this shift on school construction is but one of the implications highlighted in "The Population of Oregon, 1940-1970," a two-year look at the people of the state by Hans H. Plambeck, professor of sociology at Oregon State University.

Using federal census reports for each of the decades covered, Plambeck looked at the composition of the population,

where it is distributed around the state, and major changes in population characteristics.

In the report, Plambeck goes on to draw implications for other segments of the life of the state:

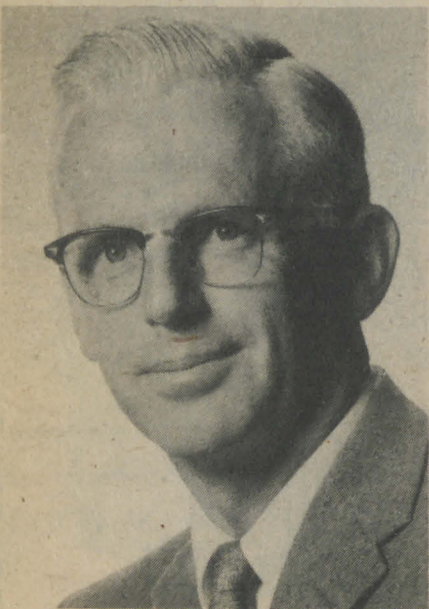
Jobs -- because an increasing number of young people are reaching the ages of employment, "Oregon must recognize the need to expand job opportunities if the needs of the new adults are to be met," he says.

Politics and government -- while noting the gradual shift in political power from rural eastern Oregon to the more populous Willamette Valley, he notes the danger of apathy when citizens no longer know their legislators personally. He also points out the advantages of eliminating duplication of government structures in areas that have lost population by consolidating counties.

Community services and facilities -- as the large younger group matures, they will need adequate housing, especially in suburbs around major urban centers; so will the large older segment of the population, except that their housing must be smaller and located near shopping and transportation, according to Plambeck.

"The census reports reveal an uninterrupted growth of the state's population since the first settlers arrived," writes Plambeck. "There is no reason to expect this growth trend to come to a halt in the foreseeable future as the West Coast continues to attract people from other states."

The study, available without charge from the OSU Graduate School, is part of "Man's Activities as Related to Environmental Quality," a multi-department, multi-disciplinary look at Oregon's future growth and environmental problems funded by the Rockefeller Foundation.



Hans H. Plambeck

Keller named School of Oceanography dean

An internationally-known marine geologist who specializes in studies of submarine canyons and sea-floor soil mechanics (marine geotechnique) has become associate dean of the OSU School of Oceanography. The position is new.

In his years of sea experience, George H. Keller, 44, has made more than 40 submersible dives, most of which have been to study submarine canyons, which are unique valleys in the sea floor.

"Some submarine canyons appear to serve as conduits along which sediments are transported from the continental shelf to the deep sea," Keller explained.

"The canyons are considerably different. In some, such as off southern California, massive flows of sand are carried down canyons, whereas in most of those along the Atlantic margin the processes are less dramatic and only fine sediments are transported seaward. The flow through these canyons is not like that of a stream, but rather one that moves up and down the canyon in response to the tides, eventually draining into the deep sea."

These studies are of particular concern to the off-shore dumping of wastes, Keller continued. By utilizing the current flow associated with these canyons, deep-ocean dumping could be carried out more effectively, he believes.

"New York City and vicinity has very serious problems from 30 years of daily dumping of sewer sludges, acid wastes, etc. just 12 miles off shore. Only recently has research been initiated on the fate of the dumped material. Indications are that some of the material finds its way back into New York harbor as well as approaching uncomfortably close to the beaches of Long Island."

Donation boosts sterol research

Oregon State University has received a grant of about \$200,000 from the U.S. Public Health Service to do research on the analysis of sterols in yeasts and molds.

Although sterols, complex natural products, are widely distributed in nature, their exact function in the chemistry of cells is not understood. It is known that they are essential for several normal cell functions.

The major sterol of animals is cholesterol. Yeasts are the most primitive organisms that synthesize abundant quantities of sterols.

Purpose of the grant is to provide basic information on how changes in sterols affect the well-being of cells and how organisms regulate the amount of sterol they produce.

Search for 'hows' and 'whys'

"The work is a basic research study aimed at getting information on the hows and whys of sterols in organisms," said Leo W. Parks, professor of microbiology who directs the research at OSU.

"However, we are always on the lookout for applications of the information we find."

Also participating in the project are Richard B. Bailey, a post-doctoral fellow; Susan Hough and Phillip Hays, graduate students; Verlyn Stromberg, research associate, and three undergraduate honors research students, Brian Ishida, William Neal and Thomas Meek.

Parks' group has been able to obtain mutants with altered sterol synthesis. Such variants are important in learning how the normal sterols carry out their roles in metabolism.

The group is particularly excited about one possible application of their work in the control of disease-producing fungi. Fungal infections are among the most intractable diseases seen by clinicians. In fact, no really good control is available for many fungi.

Dramatic changes possible

It is known that the sterols of all organisms have the same basic structure but that slight modifications of sterols can cause dramatic changes in the physiological properties of the compounds. Sterols of the fungi have two slight -- but critical -- modifications not found in the sterols of animals.

"Engineering aspects" of the sea floor -- slumping, sliding, settling, etc. -- intrigue Keller, who was an exploration geologist with Standard Oil Company of Texas from 1957-59; marine geologist with the U.S. Naval Oceanographic Office, Washington D.C., 1959-64; and director of the Marine Geology and Geophysics Laboratory, Miami, Fla., for the National Oceanic and Atmospheric Administration from 1966 until coming to Oregon.

"The future of the sea floor mining depends on the economics involved."

Keller is one of this country's leaders in the field of marine geotechnique, the study of the engineering characteristics of the sea floor.

"The cohesion, porosity, density and overall stability of sea floor sediments are not well understood," Keller points out. Such information is vital, however, for eventual sea-floor mining, he believes, and for design of deep sea structures and petroleum exploration.

Marine research has produced much needed data on valuable metalliferous sediments found on the sea floor, he noted. "The future development of sea floor mining depends on the economics involved -- costs, needs and returns."

Keller's doctorate dissertation focused on the sediments and oceanographic conditions in the Malacca Strait, Southeast Asia, which of late has become an important area for oil exploration and the dredging of tin deposits. "This is an indication of the potential for under-water mining," he observed.



Leo Parks

Parks and his associates are studying the enzyme reactions which make those modifications in the fungi. They are also studying an inhibitor which prevents one of those reactions, known as a transmethylation, from happening.

When more is known about the reaction, it may be possible to control the fungi at those reactions without a damaging effect on the host since the host does not have those enzymes. The possible application in plant diseases caused by the fungi could have enormous economic consequences.

"The control of any pathogenic organism in an infection is optimized if the therapeutic agent acts specifically on an essential metabolic event or sequence possessed by the infecting organisms but not by the host," said Parks.

"To identify unique physiological differences, it is important to have an understanding of the basic metabolic processes in both the host and the pathogen. Some differences are observed in comparing sterol biosynthesis of the fungi with higher forms. One objective of our studies will be a detailed analysis of these differences."

The research program is also supported by the Oregon Agricultural Experiment Station with additional grants from the National Science Foundation and the Eli Lilly Company.



George Keller

The marine geologist has been one of the major users of the U.S. Navy submersible, Alvin, which is operated by the Woods Hole Oceanographic Institution for national and international sea-floor studies. His 40-plus sea-floor dives have been made in the special sub that can probe to depths of 12,000 feet.

Three of the dives were made to the bottom of the Atlantic Ocean in 1973 as part of FAMOUS, the historic French-American Mid-Ocean Underseas Study of the mid-Atlantic ridge. Keller was the U.S. federal coordinator for this first-ever project. Another OSU oceanographer, Tjeerd van Andel, was a member of the five-man American divers group.

"The Alvin has made a major contribution to oceanic research," Keller said. "Detailed study of the sea floor is now possible because the submersible provides the means whereby the eyeball gets down to where the action is."

Detailed study of the sea floor is now possible

The submersible also provides photo documentation and is capable of collecting rock and sediment samples.

"With this unique vehicle, man at long last is able to determine accurately not only the processes presently taking place on the sea floor, but he can piece together the geological setting with a degree of confidence never before attained," Keller continued.

OSU hopes to use the Alvin in 1977 for first studies of sea floor vents through which metal-bearing hot waters flow. The dives are scheduled near the Galapagos Islands in the east Pacific.

The OSU oceanography program is now the fifth or sixth largest in the country in terms of research budget (about \$6 million), staff (200), and graduate students (124). John V. Byrne is dean.

Keller received his geology degrees from the Universities of Connecticut, Utah and Illinois with soil mechanics and geophysics as minors. He also did special studies in geological oceanography at the University of Southern California in 1956-57.

His research has produced more than 50 technical publications and papers, one of them a national prize winner in 1973. The paper was entitled "In-Place Measurement of Deep-Sea Soil Shear Strength."

Reading teachers...

Reading illiteracy findings in the U.S. have prompted increased demand for teachers who are trained to teach reading, the director of OSU's reading education program reports.

Dr. Kenneth M. Ahrendt says some master's degree candidates in reading education "now are getting jobs before they finish their degree work and come back during the summer to do so." They are going out both as teachers at all elementary and secondary levels and as directors of reading programs for school districts.

Oregon gave renewed emphasis to the first R this fall, Ahrendt noted, with the introduction of a new reading endorsement provision in teacher certification. Under it, prospective teachers can gain special endorsement of their competency to teach reading by completing prescribed courses, including experience in public school classrooms.

"OSU's reading program is the only one in the state system that has won approval to date for both basic and standard teaching norms in elementary and secondary schools," Ahrendt pointed out. OSU requires six courses in reading methods, diagnostic and corrective techniques, and clinical (classroom) practicum for endorsement.

Two reading education courses are required for general Oregon teacher certification.

Doctoral degree graduates who specialize in reading education at OSU find college and university positions or jobs with state and federal education agencies, Ahrendt said.

About 20 full-time students are in the master's degree program in reading education this fall but part-time and summer numbers swell the total to about 50, according to Ahrendt. More than 20 per cent of them are from out of state.

Study helps weather predictions

Help in predicting afternoon temperatures and humidity, cloud occurrence and wind speed hopefully will come from research in the OSU Department of Atmospheric Sciences.

The study, directed by Prof. Larry Mahrt, centers on daytime variations in the mixed (or turbulent) layer of the atmosphere adjacent to the ground.

"The primary purpose of the present study is to develop methods to predict the characteristics of the afternoon mixed layer given conventional National Weather Service data measured in the morning," Mahrt explained.

On nights with clear skies or weak winds, such as those during the summer in Oregon, the mixed layer may be as thin as 100 feet, he noted. After sunrise when surface heating begins, the mixed layer grows rapidly.

Affects wind, temperature

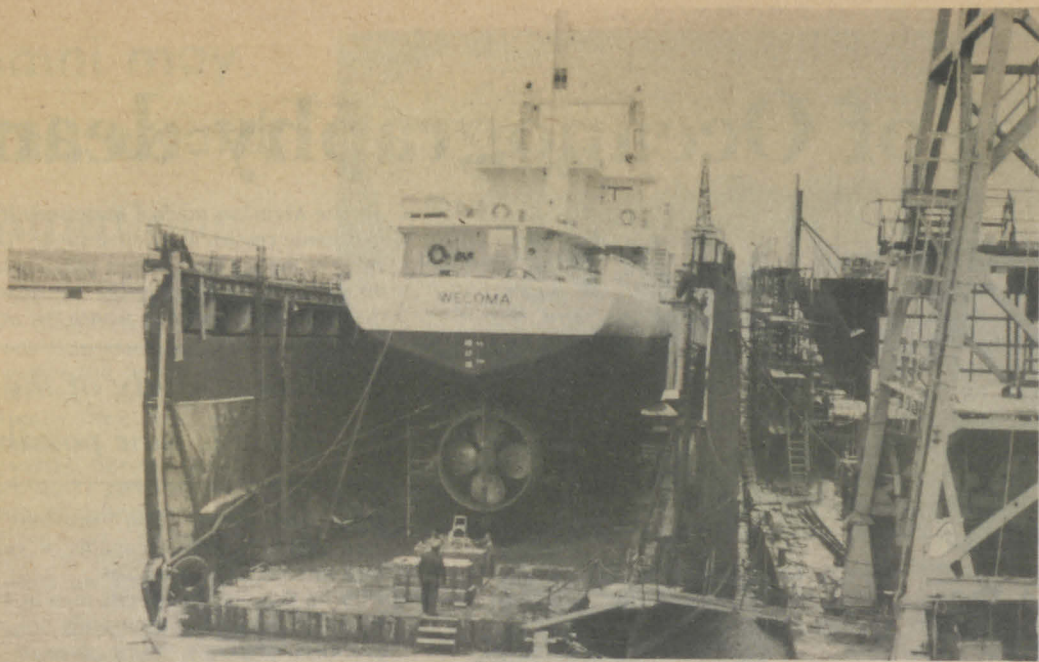
The scientists hope to gain a better understanding of the factors and

processes involved so improved afternoon predictions are possible. The mixed layer -- generally turbulent -- affects all of the surface properties such as wind and temperature and is the layer in which pollutants are confined, Mahrt pointed out.

Better p.m. predictions would have value to many groups -- farmers and foresters included.

"In Oregon, the depth of the winter mixed layer does not vary too much during the day, depending mainly on wind speed," Mahrt observed. "The summer mixed layer is usually capped by an inversion. In the winter, it is often capped by cumulus or stratus clouds."

The research is funded by the National Science Foundation through a two-year \$55,000 grant. Working with Mahrt is Soon Ung Park, graduate student in atmospheric sciences from South Korea.



The Wecoma went into dry dock briefly before final performance-acceptance trials in Sturgeon Bay, Wis., to correct a condition that had bothered a

sister ship operated by Woods Hole (Mass.) Oceanographic Institution. The nozzle rudder system of the ship can be seen. (Wayne Burt photo)



The all-weather Wecoma saw all kinds of weather on its trip to Oregon including icy conditions on Lake Huron. Under the frozen layers here are the starboard bridge steering controls and compass. (Wayne Burt photo)

Wecoma comes home

Oregon State University oceanographers celebrated the day after New Year's this time. The reason: arrival in Newport on Jan. 2 of the new \$3.1 million research vessel "Wecoma."

Accepted the day before Thanksgiving in Sturgeon Bay, Wis., the Wecoma made her homeward voyage via the icy Great Lakes, the St. Lawrence seaway into the Atlantic Ocean, and through the Panama Canal into the Pacific.

Some 300 persons were on hand for the right-on-schedule 1 p.m. arrival at the OSU Marine Science Center. Hundreds of others watched from the Newport bridge (front page photo) and the banks of Yaquina Bay.

All OSU vessels carry Indian names. Wecoma is a Clatsop Indian word for the sea. Other university research ships in service include the 80-foot Cayuse and the smaller Paiute and Sacajawea.

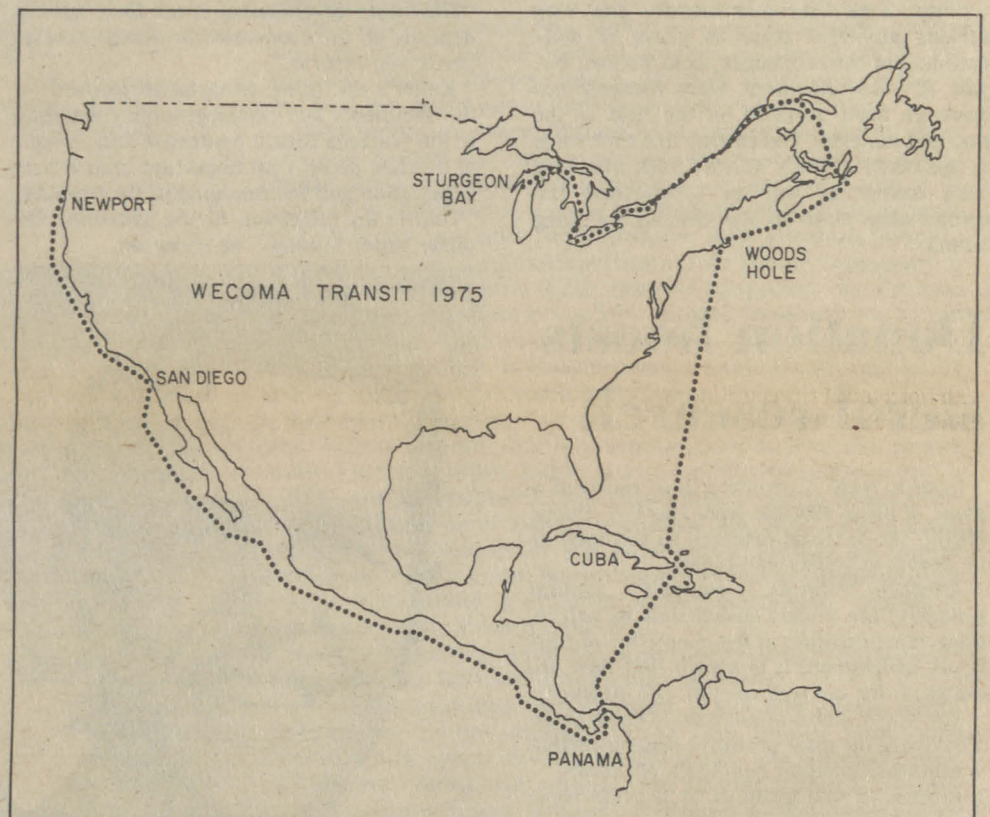
The Wecoma replaces the 30-year-old Yaquina, which was sold to Rideauship of Delaware. Three deep sea winches were removed from the Yaquina under sale terms for transfer to the Wecoma. So was the satellite navigator system.

The \$277,000 realized from the Yaquina sale will help pay for the final outfitting of the Wecoma during the next two months in Newport. An open house is planned for the public in April when the Wecoma is completely finished and ready for regular sea duty.

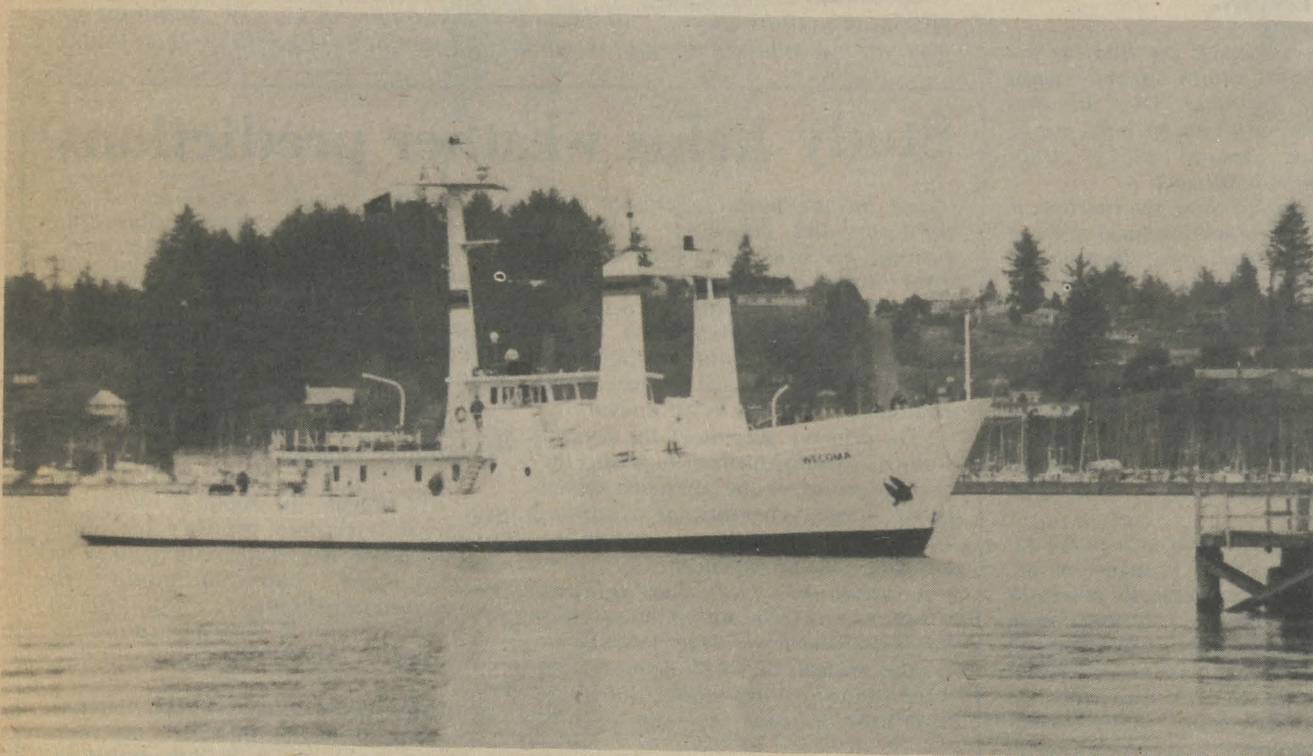
The 177-foot Wecoma is 3 feet shorter than the Yaquina but slightly larger in most other respects. It requires a crew of only 12, compared to 18 for the Yaquina, and will accommodate 16 scientists, two less than the Yaquina.

Able to travel 15 knots with ease, the new vessel is "about half again as fast as the Yaquina," John V. Byrne, dean of oceanography, points out.

The National Science Foundation provided the Wecoma construction funds and provides about 75 per cent of the OSU ship operating costs each year.

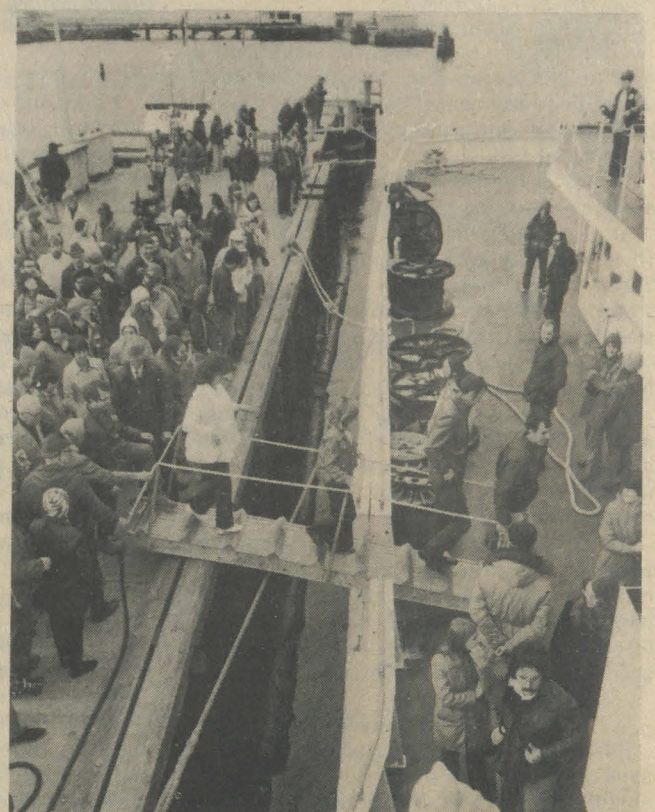


Track line map of the Wecoma voyage by Jan Gemperle.



At the end of its 8,000-mile maiden voyage, the Wecoma approaches the OSU Marine Science Center dock in Newport. It will be there for the next several weeks while

final outfitting is done in preparation for regular research sea duty. (John Bragg, Corvallis Gazette-Times, photo)



About 300 persons were at dockside to welcome and inspect the new \$3.1 million ship. (John Bragg photo)

Many tributes for Holly Holcomb, '39

Early on the morning of Nov. 25, Oregon State and the State of Oregon lost one of its finest. Holly Holcomb, '39, superintendent of Oregon State Police, was gunned down in the Capitol Mall at Salem.

Immediately arrested at the scene for the murder was Robert H. Wampler, a state trooper for 15 years before being fired in 1958.

Holcomb died an hour and a half later in a Salem hospital and the tributes began being voiced for Holcomb the policeman and Holcomb the man.

He was only the third superintendent in the 44-year history of the Oregon State Police.

He was named to the top post in 1966 by then-Gov. Mark Hatfield and reappointed to four-year terms in 1970 and 1974 by former Gov. Tom McCall.

A native of Quitman, Miss., Holcomb came to Oregon at an early age and attended grade and high schools in the small lumbering community of Vernonia, northwest of Portland.

At Oregon State, he was a three-year letterman in football under Lon Stiner. He was a member of Sigma Phi Epsilon fraternity and Thanes. He majored in geology.

Jim Howland of Corvallis was president of Sigma Phi Epsilon Holcomb's junior year. Howland said his first recollection of Holcomb was that trace of Southern accent he had. This was a carryover from early years in Mississippi and was in keeping with an even disposition.

"Everybody liked and respected Holly," Howland said. "He was an even-tempered sort of fellow. You couldn't think of him as a 'tough' policeman or individual. He was soft-spoken and very considerate of others."

Great loss for state

Frank Ramsey of Corvallis played football with Holcomb at Oregon State and was a close friend through the years.

"Holly was a blocking back and a good one," Ramsey recalled. "He was a hitter."

"But what a fine, thoughtful guy. He was one of the best -- as an individual, as a family man, as well as a public servant."

Ramsey said the police superintendent occasionally joined in some golf at Corvallis. He, Ramsey, Elmer Kolberg and some others had been talking about a reunion of football teams of that era.

"The state suffered a great loss," Ramsey added.

Holcomb served in the South Pacific as an Air Force captain during World War II.

He worked in state police traffic divisions at St. Helens, Milwaukie and Roseburg and was promoted to sergeant in charge at St. Helens in 1947.

Holcomb became lieutenant on the arson squad at Milwaukie in 1955, was made captain

in charge of the Milwaukie district in 1959 and moved up to deputy superintendent in 1962. Four years later, he took control of the statewide force.

Paul Harvey, Jr., Associated Press correspondent in Salem for 37 years, was a close personal friend of Holcomb. He wrote after learning of the police superintendent's death: "Holly Holcomb never fit the public idea of a tough cop. He was different from any policeman I ever knew."

"...never fit idea of a tough cop"

"He was so careful of preserving the rights of persons who ran afoul of the law that he seemed more like a civil libertarian than a policeman."

"He ran a taut ship, though. When he issued an order, his men knew they had to obey it to the letter or suffer the consequences..."

"I knew him as a warm human being... He was loving family man. He was a humble and wise man, too... Holly Holcomb made a great contribution to his state. He was one of the finest human beings I ever knew, and I knew a lot of them during my 37 years as Salem correspondent for The Associated Press."

Many leaders expressed sadness upon learning of the death. "Oregon has lost an outstanding public servant," said Gov. Bob Straub. "I have lost a good friend... He was a well loved man, a very special man. I've never known anybody in my public career who had authority and used it so carefully and gently."

Sen. Hatfield, who as governor first appointed Holcomb to the post, said: "He was a good and sensitive man, a talented public servant who always gave more than full measure."

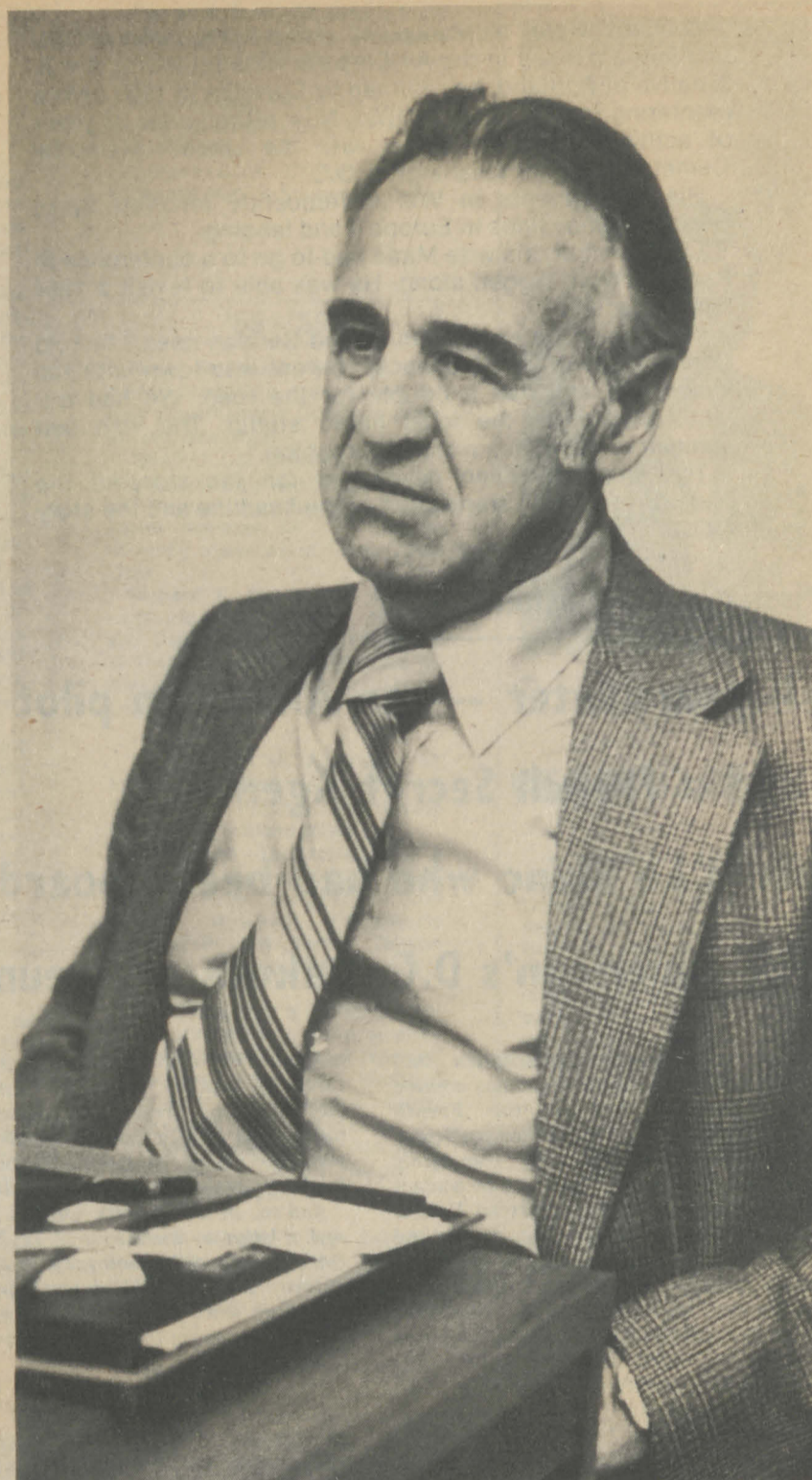
An audience of more than 1,200 filled the large First Baptist Church in downtown Salem beyond capacity for the memorial service. Law enforcement officers came from all over the state. They joined friends and public officials, including Gov. Straub and former Gov. McCall.

Some listened on the church's public address system in other meeting rooms to a eulogy delivered by Hall Lusk, retired State Supreme Court justice.

Lusk characterized Holcomb as "a just man, a fair man, a decent man... the men regarded him as their friend... Those closest to him have the memory of a faithful and gentle husband and father."

Lusk said that "we can all share in the legacy he left the state...we are a better people because he lived and worked among us."

Holcomb is survived by his wife, Bonnie, three daughters and five grandchildren.



Holly Holcomb a few days before his death. Photo was taken by Gerry Lewin of the Capital Journal, Salem, at a staff meeting.

Student writers...

Stories of pioneers told

By Mary Holthouse
Dept. of Information

Hardships and disappointments, successes and achievements of early settlers in Benton and Lincoln counties are described in a publication just released at the University.

The 32-page booklet, "Pioneers!" is a collection of stories written by students in an advanced summer term class taught by Ron Lovell, OSU journalism professor. Students, all experienced in journalism, were enrolled in a seminar titled "An Oral-Written History of Oregon Pioneers."

Students conducted historical research for their stories, supplemented in several cases by taped interviews with descendants of the pioneers. One student, Jan Baross, produced a film, "Heart of the Valley," based on her research and interviews with elderly residents.

Eddy Big, strong

Among stories in the book is one on a Midwestern family, the Henkles, who settled in Pleasant Valley, near Philomath, on Christmas Day, 1853. Another tells of Eddyville's enormous founder, Israel F. Eddy, who "would pitch hay with a pitchfork in each hand and a whole haystack on each fork."

Research by other class members produced stories on Fort Hoskins, the Siletz Indians, "OAC", Philomath College, the one-room

museum and reminiscences of an 81 year-old Corvallis resident, and the Corvallis and Yaquina Bay Railroad Company. One writer recalls, with the help of local residents, the excitement when the Chautauqua came to Albany. Another reconstructs for readers the story of the first Yaquina Bay life saving station.

"Pioneers!" was edited and designed by Lovell, and published by the Department of Journalism and OSU's Summer Term office. Lovell was assisted by Dianne Sichel, '75, a teaching assistant and editor.

Alumni may obtain a free copy of the booklet by writing Lovell at the Department of Journalism, OSU, 97331.

Spinoffs

Plans for the summer term class-involving research, interviewing, photographing and writing with the goal of preserving portions of Oregon pioneer history available no other way--won an award for the University. It placed second in the 1975 competition of Western Association of Summer Session Administrators for the creative programming award.

Another outcome of the class project may be establishment of an oral history library in OSU Archives. With a nucleus of 29 tapes and transcripts and the Baross film, Archivist Sally Wilson sees possibilities for an expanding service to local historical researchers.



It was the fall '38 when Holcomb posed for this football portrait. He was a blocking back. (OSU Archives photo)

Leonard "Nate" McManus, '40, was a flying cadet at OSU and found himself in the Air Corps in time for World War II. A native of Portland, he returned to Corvallis in 1950 before reentering the Air Force in 1951. Now retired after 28 years of active service, he works with the Lincoln Memorial Cemetery Corp. of Washington, D.C.

His assignments in WW II frequently involved flying behind German lines in Europe -- and landing.

Last summer, his wife Marie had to go to a conference in Paris, so Nate tagged along. He was able to revisit a 1944 "party place."

"On one of the escapades behind German lines," he told Corvallis friend Ed Woodcock, "I went into town with the local boys and had a couple for the road. We had our picture taken in the local photo studio. The visit last summer resulted in a wonderful reunion."

The local Le Blanc newspaper ran the story of the unusual reunion. A translation of the headline and the story follow:



It was early 1944 and Nazi Germany controlled Europe, but this photo was taken in France. Col. Leonard McManus, '40, seated second from the right, had piloted his plane and crew in to pick up a secret agent.

This was one of about 50 such missions for Col. McManus but this one was different -- there was time for a break. He and the crew went into Le Blanc and to commemorate the occasion had this photo taken with some members of the French "resistance." While no names were known, through the photograph a reunion in Le Blanc was possible last summer.

Mission accomplished. . .

31 years later --- an American pilot and a French Secret Agent from Le Blanc who had been aboard the American's D.C. Dakota are reunited

Again, a seemingly unimportant fact associated with so many others has created history, notably that of the French "resistance" and its allies. In this particular event, the performers were completely unknown to each other. There was no contact between the crew of the American Dakota plane and those Frenchmen on the ground responsible for a safe landing and the secret agent that was to be flown out within a short period except for a few hours spent together in an atmosphere of friendship which seemed even more precious because of the perils involved in performing their respective duties. No names were ever exchanged.

And so, during the 31 years that followed since that night in the early months of 1944, those men often recalled the times when they shared with their brothers in arms, although anonymously the vicissitudes of the resistance movement. But, far away, in the United States of America, one of the leading figures, Colonel Leonard McManus, an American Air Force officer, the pilot of the Dakota plane, living in the New York suburbs had always hoped to return to LeBlanc and meet his companions.

An Only Clue -- A Photograph

That hope was nurtured until the Spring of 1975 when, as a retired officer, he decided to renew past acquaintances while he would be traveling to Paris with his spouse. However, to locate companions about whom he knew nothing, not even their names, was not an

easy task. Fortunately, Colonel McManus had faithfully kept a "document" that was to facilitate his research somewhat: a photograph of a few people involved which was taken during that memorable night at the Studio Eugene Perraguin in Le Blanc.

And so, on May 8, 1975, Colonel McManus sent a letter to the Mayor of Le Blanc, enclosing a copy of the photograph, outlining the odyssey in which he had participated, and requested whether it would be possible to identify any one of the group still living in Le Blanc.

The Deputy Mayor, Mr. Mourot began his investigation with the author of the photograph, Mr. Eugene Perraguin who immediately recalled that the secret agent involved during that particular mission was Mr. Andre Boyer, President of the Free French Movement (Combattants Volontaires de la Resistance). Mr. Boyer is indeed a very known figure and requires no introduction. Four of the Frenchmen in the photograph were easily identified: Mr. Nuttin, a businessman in Roubaix and Mr. Pataud, also a businessman in Vendome, are both brothers-in-law of Mr. Andre Boyer; Mr. Robert Morisset, a French Embassy Inspector, and Mr. Marcel Lambert, now residing in Tours, who formerly managed the Chateauroux Brewery in Le Blanc.

A feat that makes Colonel McManus shudder Mr. Andre Boyer met Colonel McManus and his wife, a Canadian national employed by the International Monetary Fund, in Paris, and drove them to Le Blanc, where they reunited with a small group of friends associated with the Free French Movement, including, among others Flight Commander Le Borgne of the Free French Air Force, Mr. Yves Choplin of the Sabotage Group from Eguzon, both being former deportees of concentration camps.

We were grateful to Mrs. McManus, who had not forgotten her mother tongue, for being able to convey her husband's impressions of this friendly reunion. The Colonel was extremely happy to have at long last made this dream a reality. However, upon viewing the actual landing field, he was aghast and wondered by what miracle he had succeeded to land and take off in the dark of night in a DC 3 Dakota plane without mishap.

"It is absolutely unbelievable," said he -- "one must necessarily be filled with youth's vigor and desire to achieve such a feat". Colonel McManus stated that his plane was only equipped to accommodate 20 paratroopers, and that he had made 50 similar missions in Europe, mostly in enemy occupied territory.

Needless to say that if the American Colonel was delighted to have located his friends, his French counterparts were also happy and eager to continue their relationship but on this occasion it would indeed not be as anonymous friends.



The American pilot and two of the key members of the "resistance" check over the little field where the DC 3 had to land and take off under the cover of darkness.



Three cooks for the annual Dads Weekend breakfast Saturday, Feb. 28, went through a special instructional session on how to make pancakes. They are, from left, Bob Warren, Milwaukie, chairman of the breakfast; Pat Sweeney, Portland, Dads Club president, and OSU President Robert MacVicar. Other events during the weekend in addition to visits with daughters and sons, will be a wrestl-

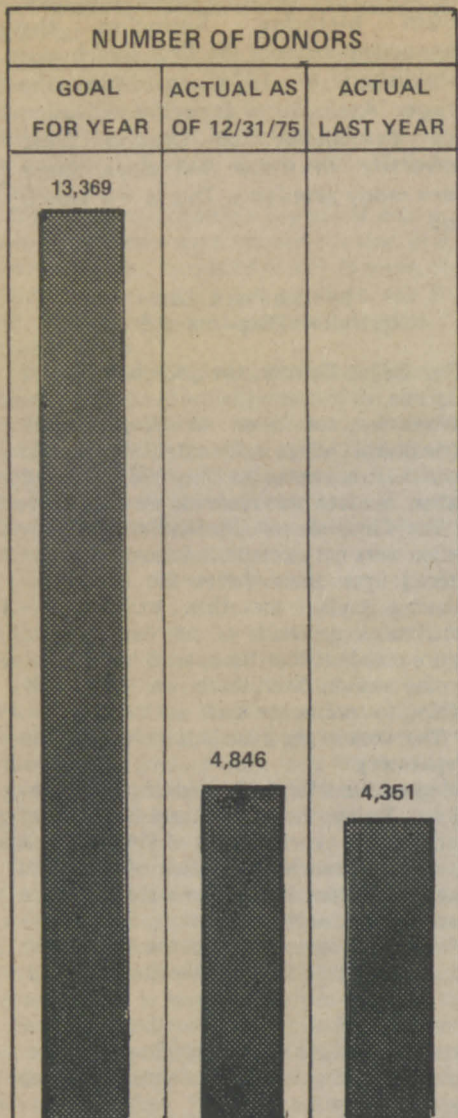
ing match Friday night with University of Oregon and a Pac-8 basketball game Saturday afternoon with University of Washington. The dads will have a chance to meet new head football Coach Craig

Fertig and his staff and the new head track Coach Steve Simmons at a special Saturday morning meeting in the Home Economics Auditorium.



It's 1975, 31 years later, and Col. McManus is back in Le Blanc.

OSU Fund Challengeometer



Alumni respond to challenge

"The 'Challengeometer' shows that despite a faster start than in any previous year, the OSU Fund has a long way to go before reaching the goal of 13,369 donors," reports Jack Byrne, Chairman of the OSU Fund Advisory Committee. "The Fund's fiscal year was half completed as of December 31, 1975, with signs indicating OSU alumni are responding enthusiastically to a challenge posed by ten very loyal and interested alumni. Current figures show however, much more work has to be done by June 30, 1976, if the University is to earn an extra \$100,000 in Challenge money."

Ten Oregon State alumni challengers have set goals for the University's annual giving program -- The OSU Fund -- where if all requirements are met, each will give \$10,000 or a total of \$100,000. This Challenge money, plus contributions from all alumni giving to the OSU Fund, will assist academic areas of student aid, tutoring and counseling programs, assistance to the Library, and improvement of educational opportunities in every school and department throughout the University.

Extra \$100,000 at stake

The ten challengers are Ken Austin (1953), Dr. C. J. Bartlett (1908), N. B. Giustina (1941), Thomas I. Haley, Sr. (1936), Mrs. A. Isabella Holt (1916), Glenn L. Jackson (1925), Avery L. Lasswell (1916), L. L. Stewart (1932), F. Wayne Valley (1937), and Samuel C. Wheeler (1950).

Byrne says, "the rewards of this fund raising endeavor are truly great when you realize an extra \$100,000 is at stake. It means total receipts for the 1975-76 OSU Fund fiscal year will then be over one-third million dollars!"

"As I look toward the next six months, I know every positive-thinking Oregon Stater feels we can -- and will -- meet our goals," emphasizes Byrne.

At the recent meeting of the OSU Foundation Board of Trustees (at right) at Cottage Grove the Trustees toured Georgia-Pacific Corporation's Robert E. Pamplin Forest Research Center, observing seed orchard that may spawn the "super tree" of tomorrow. Lane Extension Service arranged the tour, visiting also the Dorena Project tree disease headquarters for the Pacific Northwest, the OSU Genetics Plantation, and the Blue Mountain Demonstration Forest. Tour leaders were two OSU School of Forestry graduates -- Extension Forester Steve Woodard and Sam Konnie, vice-president of Swanson Brothers Lumber Co., and vice-chairman of the Lane Extension Advisory Council.

Funds given for projects

At the regular bi-monthly meeting of the OSU Foundation's executive committee, funds totaling \$52,720 were allocated for various projects throughout the University. Projects include:

- A grant to provide assistance with student expense relating to the graduate school;
- A grant to bring an authority on Indian art to Corvallis for a Bicentennial exhibit;
- A continuation grant to fund a series of luncheon and breakfast meetings for the President's Counsel program;
- Support for the University Theatre Bicentennial summer tour;
- Five student aid projects;
- A conference for portrayal of women in television.

These projects are in addition to the regular work of the Foundation in support of the University's programs. Much of this support is funded through various endowment funds which now total over \$1,000,000. During the 1974-75 school year total expenditures of the Foundation for all its activities amounted to \$1,382,687.

Hilbert Johnson, Foundation president and chairman of the executive committee, emphasized that this support is possible only through the generosity and thoughtfulness of those who contribute to the Foundation and its annual giving program, the OSU Fund.

OSU receives real estate

During the past half year, friends of the University have donated several parcels of real estate to the OSU Foundation in support of the University's continuing programs of providing excellence in education. According to Walter Leth, chairman of the Foundation's Real Property committee, the gifts have included residential, recreational, agricultural and timber properties valued conservatively at almost two million dollars.

Recent gifts include a half interest in a Sun River condominium, two lots in the city of Anchorage, Alaska, two parcels of land in Eugene, ocean front property, and almost 1,000 acres of timber land. In addition, the Foundation has been made the beneficiary of a revocable trust involving a large farm in central Oregon.

Retain some for income

Leth says that some of the property will be retained and managed for the income they will produce. Other properties will be sold, and the proceeds from the sales applied as directed by the wishes of the donors of the properties.

Some of the gifts were made outright; others were made through bequests. Some of the gifts are life estates. Others are life income agreements which reserve for each donor a lifetime income from the property. For either outright gift or life income agreements the donors receive substantial charitable gift deductions which lower current income taxes and provide the basis for later reductions of estate taxes and estate settlement costs.



Make your *securities earn at least 5% of their market value

If your *securities are earning less than 5% of their true market value you should explore the possibilities of the life income agreements offered by Oregon State University Foundation. They operate like this:

1. You give the securities in trust to the OSU Foundation.
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3. You also receive a charitable gift deduction on your current tax return, reducing your income tax liability. Estate taxes and costs are also significantly reduced.
4. Upon your death and that of your survivor, if any, the proceeds from the trust are used to support the educational programs of the University.

The amount of the charitable gift deduction is determined by the Internal Revenue Service according to your age and that of your survivor, and the rate of income you are to receive.

Additional information and figures are yours for the asking. Write or telephone us -- without obligation -- or use the coupon below.

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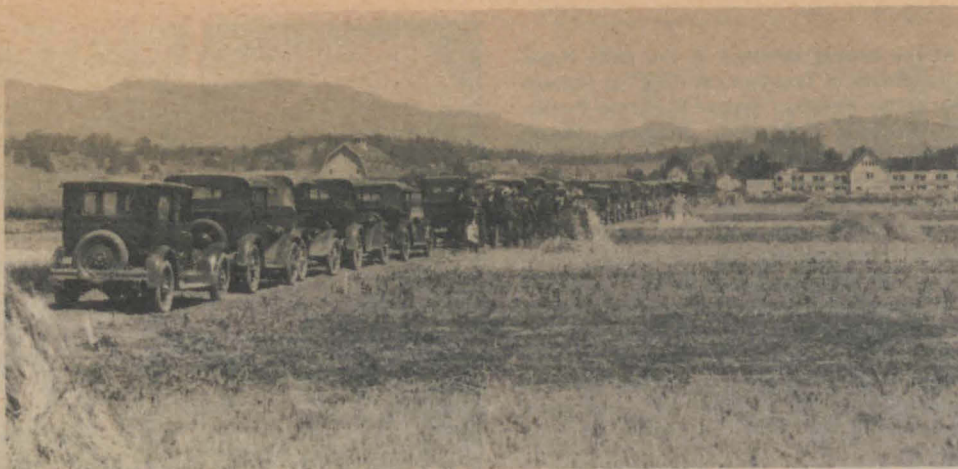
Without obligation please send me information about trading my securities for a lifetime income.

Name _____

Address _____

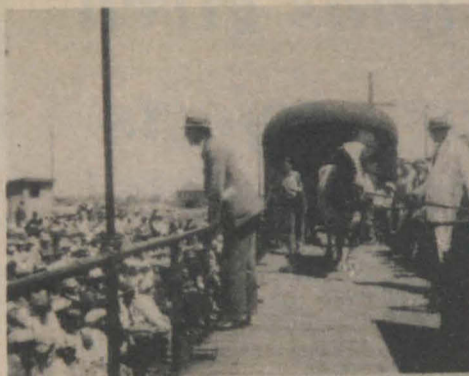
City _____ State _____ Zipcode _____

*Life income agreements also include gifts of real property and other personal property as well as securities.



*Photos courtesy
of OSU Archives*

Public participation has always been an important part of the Agricultural Experiment Station at OSU. Whether farmers and ranchers came to the station by car or whether trains took information to them, results were always helpful.



The job of the nation's agricultural experiment stations is agricultural research. They recently celebrated their 100th birthday, honoring the Connecticut station, the first, which was established in 1875. In 1888, the Oregon Agricultural Experiment Station was established at Oregon State University. In those first days, there were many problems. This is the way it was.

By Dick Floyd, Editor
Agricultural Experiment Station

For Edgar Grimm, the year had been a busy one.

When he sat down at Oregon State Agricultural College in January, 1890, to write about the first year of the Oregon Experiment Station, his task was clear—so was his logic.

"The Chemist and Horticulturist of the Station were not elected till August, 1888, and entered upon their duties the September following...under the then existing circumstances no work of an experimental nature could, at that time, be entered upon, for the reason that there was absolutely nothing to commence such work with...

"The work of the year is therefore largely preparatory."

Expenditures for the Station that first year: \$15,000. Today, the Agricultural Experiment Station has a yearly budget of \$10 million, a network of branch experiment stations and research centers around the state and more than 800 personnel.

Grimm, an agriculturist at the college who became the first director of the Station July 2, 1888, was one of five members of the Station Council which answered to the Board of Regents of Oregon State Agricultural College. Functions and duties of the Council had been spelled out by the Board:

To plan scientific work, do the work, report results to the Board and public and "to promote in all practicable ways Farmer's Institutes in various parts of the State of Oregon held under the direction of the State Agricultural College."

"Did little or nothing"

Earlier, Grimm had written Bulletin No. 1 of the Station, "History and Organization." In it, he said the majority of colleges endowed under the Congressional Act of 1862, including the Agricultural College of Oregon, "did little or nothing by way of scientific investigation and experimentation respecting the principles and application of agricultural science."

To change things, the Hatch Act was approved March 2, 1887, in Washington, D.C. It provided for the establishment of experiment stations across the nation by appropriating \$15,000 annually to the support of stations in each state or territory.

Continuing his annual report, Grimm wrote:

"The Agricultural College, like the Station, was just being organized under state control (it began as a church institution), and had not yet equipped any of its departments, and could not, therefore, render that assistance which was given to the several Stations of the older states where the colleges had fully equipped departments and laboratories."

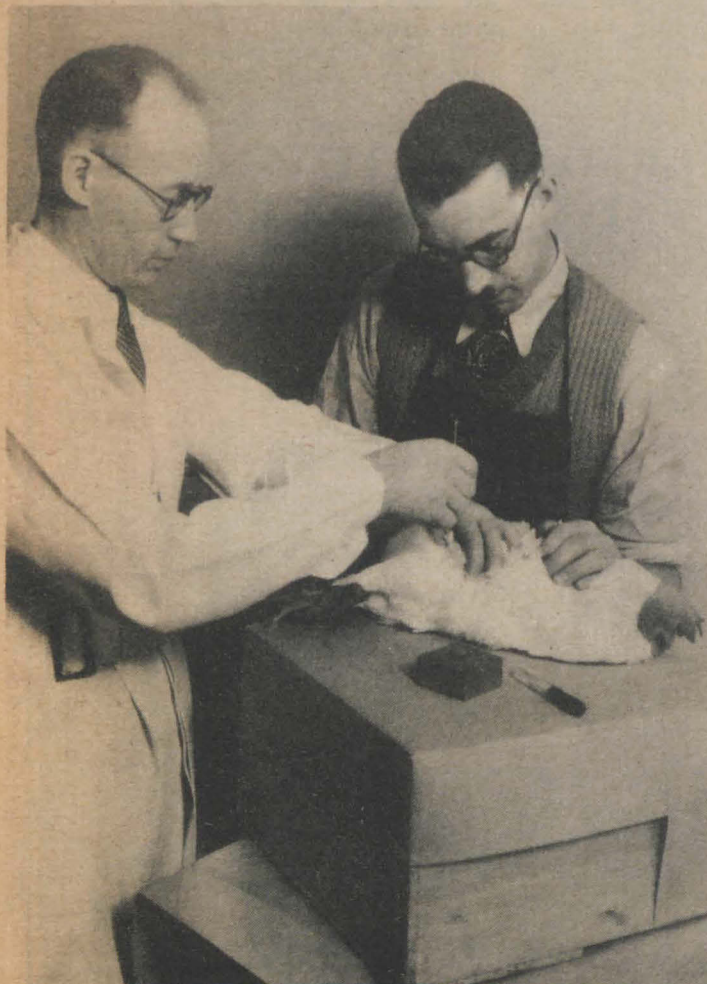
Ag Experiment Stations . . .

A century of service



Left: In 1930, more than 90,000 birds were vaccinated against chicken pox to decrease losses from the disease. A public patent held by the Experiment Station protected poultry producers from additional costs that may have resulted from private patents.

Below: Experiment Station entomologist Kenneth Gray examined a device developed by USDA entomologist J. C. Chamberlin at OSC in this 1938 photo. Chamberlin rigged up the funnel-shaped screen on his official car and attached the little bag at the back to collect bugs. He could count them and determine which pests had emerged in a given area.



One of the stations referred to was in Connecticut where the first experiment station had been established in 1975, making the experiment station system 100 years old this year.

In 1971, Benton County residents had given the college a farm of 35 acres "situated near Corvallis for agricultural purposes." Near Benton Hall, today's music education center on campus, it became known as the College Farm.

There, despite Grimm's reports of delays, plot experiments were carried out that first year. The farm "consisted of only 35 acres, of which 23 acres in very bad condition was at our disposal for experimental purposes," wrote Grimm.

He pointed out that the Chemical Department had reported investigations of the plants of Oregon, poisonous to stock, in Station Bulletin No. 3. Bulletin No. 2, he explained, included results of experiments of the departments of Horticulture, Botany and Entomology on insecticides and tests of the germination qualities of seed.

Grimm also reported that meteorological observations had been made during the year with weekly and monthly reports going to the State Weather Bureau at Portland.

The director expected that additions soon would be made to the Station force which would relieve the heads of departments from "much of the routine work with which they have been so heavily burdened hitherto and so give them time for the work of experimentation."

Other members of the Station council were B. L. Arnold, president of the College and professor of English, an ex-officio member; E. R. Lake, botanist and horticulturist; P. Herbert Irish, chemist, and F. L. Washburn, entomologist.

The first campus building was assigned specifically for Experiment Station use in 1892. Before 1974, when it became the first Women's Studies Center on campus, the building had been the health service center, book store and paleontology laboratory.

By the end of the 1890 fiscal year, the budget of the Station was about the same but there was a new director: B. L. Arnold, president of the College. Presidents of the institutions were Station directors until President W. J. Kerr relinquished the position in 1908 to James Withycombe, then vice director.

In the third annual Station report, Arnold painstakingly explained:

*"...part of the college,
a distinct part indeed"*

"...the station is considered and treated as a part of the college, a distinct part indeed, but yet a part, and one used as a means for attaining the end proposed by the institution for its work. Accordingly, all the members of

the Station staff are also professors in the college. As a consequence of this, less station work is done than might be done by the same staff under a different plan; but it follows also that the work of the institution as a whole can be done more cheaply and perhaps more efficiently..."

Then, getting down to more delicate matters, Arnold wrote:

"At the same time, this arrangement secures that unity of sentiment in the community so necessary to the prosperity of the school. A different arrangement might cause the existence in the community of two parties: a pro-station party and a pro-college party, which would be a great misfortune.

"There was at first, in fact, an attempt made by disaffected parties to bring about in the public mind such a division of sentiment and this attempt led the Board of Regents to merge in one head the directorship of the station the presidency of the college..."

*People willing to
give a helping hand*

In his conclusion, Arnold said that the Agricultural college was in a sound condition, free from debt and most of the dissatisfaction and misunderstandings formerly existing in the public mind were passing away; unity of sentiment was springing up in the community, and people in general seemed willing to give a helping hand; at the same time the authorities were doing all they could to make the institution successful.

"In order to bring its advantages within the reach of every one, they have reduced tuition, board, etc., to a minimum, students being provided with board, lodging, lights and heat in the halls for nine dollars per month," wrote Arnold.

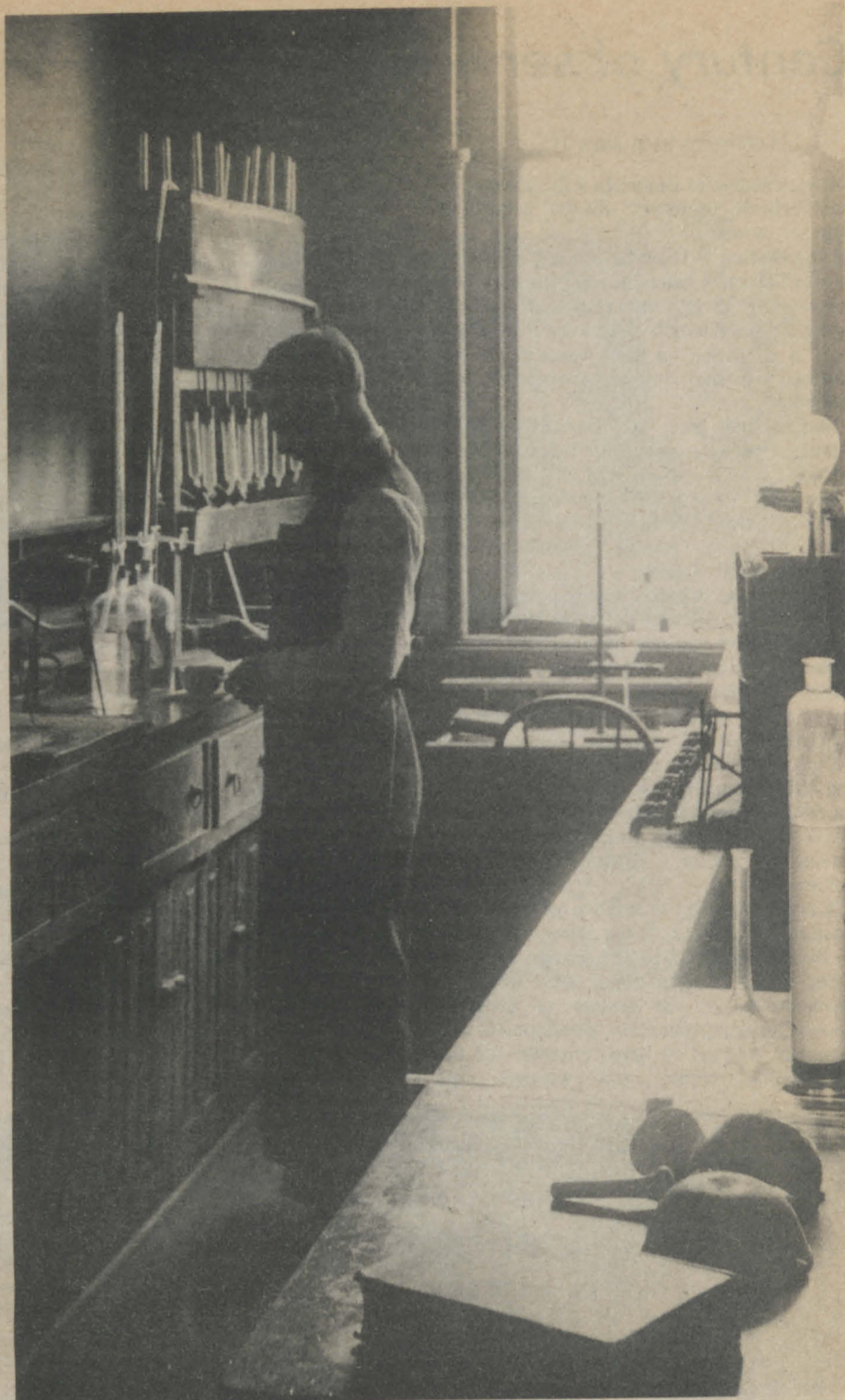
Arnold also reported that students in the Agricultural Department could work on a farm of 180 acres furnished with all the needful appliances. Training in the department was divided into general science, technical principles and practical application of these principles. The last meant that each student, male and female, was required to do manual labor at least one hour each day.

Station experiments included studies of the peach-tree borer, sugar-beet beetle, hop louse, experiments with grasses, more crop varieties tests, further work on sugar beets, and an experiment on the toxicity of larkspur and wild parsnip. A study of varieties of wheat was begun to ascertain the variation in composition caused by differences of soil and climate.

From the beginning, there was mention in the annual reports by Station administrators of the need for branch experiment stations.

In 1901, the first branch experiment station

(Continued on page 12)

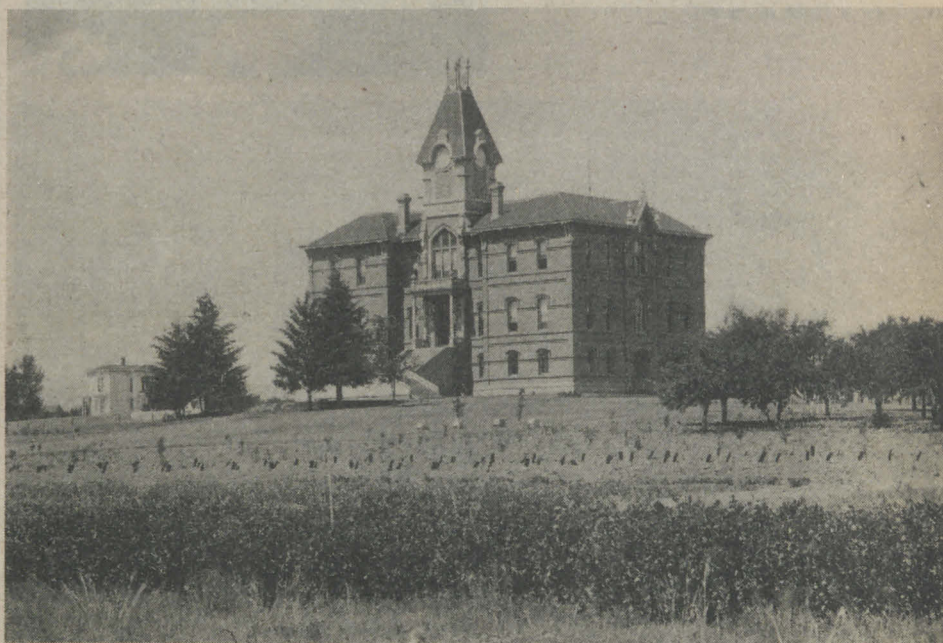


Above: Chemists occupied the first Experiment Station building on campus in 1892. The exterior of the building is shown above right. Today, it is the Women's Studies Center, above left.

Left: Some buildings have remained the

same. The Eastern Oregon Experiment Station building, dedicated in 1901, is still used at Union.

Below: The College Farm was established on campus in the early 1890's, next to Benton Hall.



Century of service...

(Continued from page 11)

was established at Union. In July, 1903, J. K. Weatherford, president of the Board of Regents, wrote:

"The Station at Union is proving a success beyond our most sanguine expectations. The development of grasses is all that could be hoped for in the length of time the Station has been in operation, in fact, some of the experiments in that line are more than successful..."

That station was the forerunner of the State's branch experiment system which reflected the diverse soil and climates of the state with stations at Pendleton, Union, Medford, Hood River, Burns, Redmond, Klamath Falls, Aurora, Astoria, Moro, Hermiston and Ontario.

By Legislative order, the Astoria station was closed in 1972 and the Hermiston, Moro and Pendleton stations became part of the Columbia Basin Agricultural Research Center. Later, stations at Burns and Union became the Eastern Oregon Agricultural Research Center.

Putting its branch station system to work, the Experiment Station continued to pile up its achievements. In a history of the first 50 years of the Station, Ralph Besse, former Station director, listed 15 major achievements:

A successful way to remove spray residue from fruit; discovery of the cause and control of Bang's disease of dairy cattle; development of the Oregon small seed industry; development of the system of breeding poultry for egg production; development of a practical method to brine cherries for the maraschino trade; soil surveys and

classification of major farming areas in Oregon; a new and simple method of fowl pox control;

Introduction of important grain varieties, particularly Federation wheat and Markton oats; improvement of Oregon butter quality; new methods of storing, ripening and marketing Oregon pears; the life history and control of the codling moth under Oregon conditions; control of liver flukes in sheep and goats; supplemental irrigation in Western Oregon; discovery of the value of sulfur as a fertilizer; control of pear blight.

The path to achievement has remained open. Hyslop and Yamhill wheat varieties have assured growers better yields and profits, a strawberry harvester is boosting potential of the strawberry crop, the basic work on a field sanitizer which cleans harvested straw grass seed fields, bold new work in using waste products for valuable uses such as livestock feed, strong strides in improving the environment, promising new crops that could open up new markets at home and abroad.

The record is something that Edgar Grimm first Station director, would identify with if he could have looked ahead that day in 1890 when he took up his pen and wrote:

"The Station will receive many indirect benefits from the liberal appropriation of the state of \$30,000 for the support of the college, and for the purchase of a college farm, erection of a barn and purchase of stock.

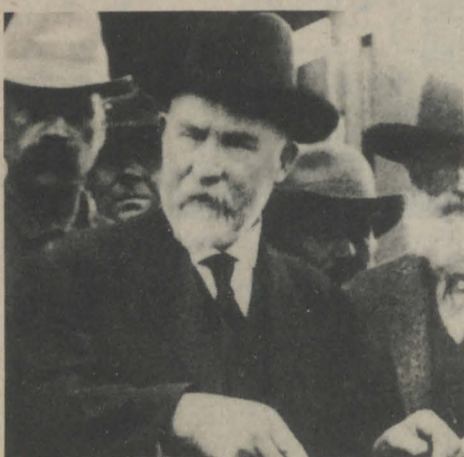
"Considering what has been done during the year and is now under way, we think we can truly say that the Station is enjoying a healthy growth and rapidly reaching a place of usefulness among the farmers of the State."



Above: Garbage can growing at the Moro branch station tested moisture and fertility requirements for crops.

Right: Presidents of the college were also directors of the Experiment Station until 1908 when President W. J. Kerr relinquished the position to then vice director James Withycombe, right. Withycombe served as Experiment Station director from then until 1914.

Below: One of the first branch stations was in Moro. Here, an early-day researcher examines a field of peas.



Faculty News

PATRICK S. KEMP, professor of business administration, is the new chairman of the Department of Accounting and Management Science in the School of Business. He replaced **DALE McFARLANE** who held the post from 1971 until this fall. Dr. McFarlane has returned to full time teaching and research. Dr. Kemp came to OSU in 1974 from Virginia Polytechnic Institute and State University. A graduate of Rice Institute in Texas, Dr. Kemp is author of a book on accounting and numerous professional articles. He is a Certified Public Accountant in Texas and Illinois and is active in continuing education programs for accountants... **PETER C. KLINGEMAN**, associate professor of civil engineering, has been named director of the OSU Water Resources Institute. He succeeds **ROBERT ALEXANDER**, director for three years until his death last July. Dr. Klingeman will continue his teaching and research duties as a member of the Department of Civil Engineering. The institute is administered through the Schools of Agriculture, Engineering and Forestry and works closely with federal and state agencies in research and education related to all factors which affect the quantity and quality of water.

ELIZABETH JOHNSON, associate professor of foods and nutrition and currently on sabbatical leave, has become the first nutritionist-in-residence with the Bureau of Nutrition, Department of Health, New York City. The bureau is providing Dr. Johnson a three-month period of concentrated field observation and experiences in a health delivery system with emphasis on nutrition for mothers, infants and young children... **JOHN WOLFE**, professor of agricultural engineering, has been elected chairman-elect of the Pacific Northwest Region, American Society of Agricultural Engineers. The regional society, meeting at Gregson, Mont., also elected OSU agricultural engineers **DALE KIRK** and **ROYAL BROOKS** as vice chairmen of technical divisions... **MARY JANE GRIEVE**, assistant professor of home economics education, was elected president of the Oregon Vocational Association, a statewide professional association of 1,500 vocational teachers and administrators.



James Krueger



Virginia Harger



Peter Klingman

ANN LITCHFIELD, assistant director of the OSU Extension Service in charge of family living programs, has been named head of a committee that represents home economics extension at the national level. It is a subcommittee of "ECOP," the Extension Committee on Organization and Policy of the National Association of State Universities and Land Grant Colleges. Two current activities of the subcommittee include a task force on family life programs and a task force studying the nutrition of low-income families... Among the teaching award recipients named this fall were **PETER C. KLINGEMAN**, associate professor of civil engineering, winner of the Carter Award as outstanding teacher for the School of Engineering; **FRANK S. CONKLIN**, associate professor of agricultural and resource economics, winner of the R. M. Wade Foundation Excellence in Teaching Award in the School of Agriculture; **ROBERT M. STORM**, professor of zoology, undergraduate teaching award in the College of Science, and **MARK R. LEMBERSKY**, assistant professor of statistics, graduate teaching award in the College of Science.

CHARLES F. WARNATH, professor of psychology, was the keynote banquet speaker in November for the annual conference of the California College Personnel Association. His topic was "The Vocationalizing of Higher Education." His review of Joan Chennault's book, "Human Services Education and Practice: An Organic Model," appeared in a winter issue of *The Personnel and Guidance Journal*... **JEANNETTE MASILIONIS**, associate professor of physical education, is the first recipient of the PEPI Award, given by the Oregon Association for Health, Physical Education and Recreation. The award, a national association honor for informing the public of various physical fitness programs, was presented during the state association convention in November... **COL. KENNETH W. EDWARDS**, new commandant of the Air Force ROTC detachment, has been awarded the Legion of Merit for "distinguished and outstanding service" as director of Air War College research programs at the Air War College, Maxwell Air Force Base, Ala., his previous duty station.

JAMES H. KRUEGER, associate professor of chemistry, has been awarded a \$27,789 basic research grant by the National Institutes of General Medical Sciences, U.S. Public Health Service, for the study of oxidation of the amino acid, cysteine. A step in the metabolism of cysteine in a living cell involves reaction with oxygen... Two OSU Extension home economists were honored for outstanding achievement at the National Association of Extension Home Economists meeting in Knoxville, Tenn. Oct. 30. **MOLLY SAUL**, Umatilla County Extension agent for 12 years, received the first Grace E. Frysingers Fellowship study award ever given an OSU Extension agent. She currently is using the award during a four-month sabbatical leave for study of programs in the Southwest for native Americans and Mexican-Americans. **HELEN CONNER**, Malheur County Extension agent for 12 years, received the association's distinguished service award.

DELMER M. GOODE, editor of OSU's international journal "Improving College and University Teaching," was named the 1975 recipient of the Distinguished Alumnus Award for Moorhead State University, Minn. Prof. Goode attended Moorhead 1906-09 and has been at OSU since 1919 as professor of higher education, curriculum consultant and editor of University publications... **DR. HELMUT BECKER**, an assistant professor of business administration at OSU 1970-73, is one of three authors of a new book, "The Information Seekers," published by Ballinger Publishing Co. It deals with consumer economics and the proper dissemination of market information. Dr. Becker now is an associate professor of business administration at the University of Portland... **VIRGINIA HARGER**, head of the Department of Institution Management, was Speaker of the House of Delegates of the American Dietetic Association at its annual meeting in San Antonio in October. As speaker, Prof. Harger will be one of five members of the executive board of the 26,500-member ADA.



News of classmates and friends

'00 - '19

T. J. Starker, '10, of Corvallis, who was a member of the first forestry class at OSU, was recently named Oregon Tree Farmer of the Year by the Industrial Forestry Association.

'20 - '29

F. E. (Ted) Atkinson, '29, is currently manager of Summerland Sweets, Ltd., a company devoted to the manufacture of specialty fruit and vegetable products in Summerland, B.C., Canada.

'30 - '39

Robert H. Sterling, '35, chairman of the Baker County Extension staff, retired last year from the OSU Extension Service. He and his wife are now living in San Luis Obispo, Calif.

Mrs. Leo H. Leatham (Leneve Simkins), '38, recently retired from teaching in the business Department at Fresno City College. She and her husband will continue to live in Fresno.

L.O. Van Blaricom, '38, professor of horticulture at Clemson University in Clemson, S.C., plans to retire next June.

Bernard L. Orell, '39, public affairs vice president for Weyerhaeuser Co. in Tacoma, has been elected vice president of the Society of American Foresters.

F. Gilbert Swanson, '39, formerly with Aetna Life and Casualty Co., has joined Union Mutual Life Insurance Co. as a second vice president and officer of the company. His headquarters are in Portland, Maine.

'40 - '49

Cecil E. Gubser, '40, who is retired from the U.S. Fish and Wildlife Service, is now living in Billings, Mont., where he is executive director for the Montana Association of Churches.

Helen Cornelius, '40, a home economics teacher at Hamlin Junior High School in Springfield, has been named a finalist in the Oregon Teacher of the Year competition.

Wilton L. Vincent, '41, land department manager with the northwest timber division of ITT Rayonier, Inc., at Hoquiam, Wash., has been re-elected president of the Washington Forest Protection Association for 1976.

Jim Smith, '41, an employee of Pendleton Grain Growers for 32 years, retired in December.

Oswald J. Crenshaw, '42, who has been in the lumber and plywood business for 30 years, is the new general manager of Rogge Mills, Inc. in Wallawa, Ore.

B. A. "Bud" Ossey, '43, recently retired from the Bonneville Power Administration and the U.S. Army Corps of Engineers, has been appointed state director of the Pacific Northwest Life Insurance Co. cancer division.

Spencer T. Moore, '45, supervisor of the Gifford Pinchot National Forest in southwestern Washington the last two years, retired in January.

Robert G. Personius, '48, has been named manager of the San Francisco Bay National Wildlife Refuge in Fremont, Calif.

Wright T. Mallory, '48, supervisor of the Mt. Hood National Forest, recently retired from the U.S. Forest Service.

Hatfield, '20, visits

Clifford O. "Happy" Hatfield, '20, found out last fall that "you can go back" and have a good time doing it.

Now a resident of Corona Del Mar, Calif., he had a chance for what seemed like his first good visit in Medford since he left the Rogue Valley to go to Oregon State in 1915.

He was the houseguest of Mr. and Mrs. **Stephen G. G. Nye**. Among the friends who dropped in were **Frank Ross** and **Leonard Freeman**. Hatfield, Nye, Ross and Freeman were friends in grade school and later attended Oregon State together. All were members of Gamma Tau Beta Fraternity, which later became the national, Delta Upsilon.

Hatfield's parents came to the Medford area about 1906 from North Dakota.

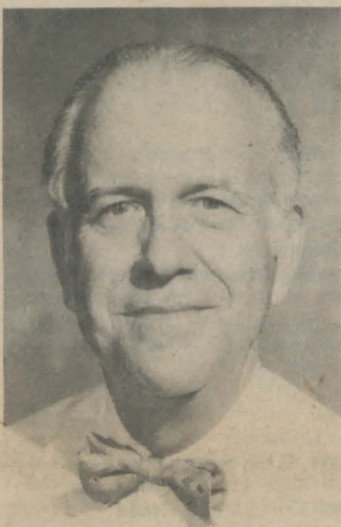
"There was a quite a number of families from North Dakota," he recalled for the Medford Mail-Tribune. "Everybody came out to buy a fruit ranch and get away from North Dakota's snow and ice."

His father, **Lewis Hatfield**, operated Hatfield's General Store in Central Point and was mayor of the city for several years.

Following his freshman year at OAC, young Hatfield volunteered for service in the U.S. Navy, as did Ross and Nye, and was stationed at Seattle for more than a year. He returned to school and received his degree in pharmacy in 1920.

Hatfield was with the Bartell Drugs chain in Seattle for 22 years, first as pharmacist then as merchandising manager and purchasing agent. He moved to Los Angeles and was with a chain of 54 drug stores in an executive capacity for four years. He then bought a health food manufacturing company, which he headed for 17 years prior to retiring in 1970.

He admitted he felt "a strong tug to return" to Jackson county. He also said he enjoyed reading the Oregon Staters but would like to see more news about the graduates from the early '20s.



Lyle W. Foster, '33

'50 - '54

Hugh G. Caton, '50, has been named manager of both the Banks and Vernonia Branches of U. S. National Bank of Oregon.

Vaughn H. Dorsey, '50, has been appointed Director of Engineering of Brockway Motor Trucks in Cortland, N.Y. His wife is the former **Miriam Laney**, '47.

Dr. I. S. Hakanson, '51, is currently president of Umpqua Community College in Roseburg.

Mr. and Mrs. Henry L. Downing, '52 (**Priscilla Irwin**, '50) are living in Portland where Downing is pharmacy manager for the University of Oregon Sciences Center, and his wife is area director for Ovation Cosmetics, Inc.

Donald J. Benson, '53, director of planning and public services for the Municipality of Metropolitan Seattle, is the new president of the Pacific Northwest Pollution Control Assoc.

Honored on retirement

Lyle W. Foster, '33, a building materials executive in Hawaii for many years, retired this fall after 10 years as manager of the Kauai branch of Amfac's Construction Materials Hawaii, Inc.

Foster and his wife Dorothy left Portland for Hawaii 29 years ago. He served as a factory representative for W. P. Fuller Paint Co. for four years and then was transferred to San Francisco as district sales manager. Shortly afterwards, he resigned to return to Hawaii and join Amfac.

He was honored by 250 of his fellow employees and friends at his retirement party.

The Fosters will continue to make Kauai their home. He has been very active in Hawaii. He is past president of Sales and Marketing Executive of Hawaii; past president of the Producer's Council of Hawaii; past president of the American Logistics Association of Hawaii; a founding member of Pi Sigma Epsilon at the University of Hawaii; a former director of both the General Contractors Association, and Home Builders Association of Hawaii.

The Fosters' daughter, Penny, and son-in-law, Major David G. Jesmer, both are Oregon State graduates. The Jesmers, with their three children, presently reside at Schofield Barracks. Penny is Field Representative for the American Red Cross on Kauai.

'34 grad leads "Senior Power"

Electronics engineer **Charles W. Chattin** of Los Altos, a pioneer in the field of radar who was forced into retirement at age 65, has become a Senior Power leader in Santa Clara County.

Among other reforms, he hopes to help change mandatory retirement laws. He believes able and willing employees should be allowed to keep their jobs beyond a set age limit.

Now 68, Chattin had to leave his position at Lockheed three years ago.

"I wanted to work," he said, "and my boss wanted me to keep on working. But top management said, 'No way.'"

"I was still physically and mentally able, and I enjoyed my work. There was no logical reason for me to retire."

For a couple of years Chattin did some consulting work and clerked in a hardware store for needed extra income. At the same time he served as a volunteer visitor in nursing homes.

Hit hard by the inflation that has cut deeply into the buying power of pensions and savings, Chattin decided to go into action.

A year ago he joined the Sunnyvale Senior Coordinating Council.

"I had in mind an action-oriented group when I joined the Sunnyvale council," he said. "I was in its legislation committee and we contacted Dick Fisher, director of the County Council on Aging. In June we set up a meeting with the council's public information

George A. Error, '53, lives in Fruit Heights, Utah, where he is division operation manager for Del Monte Corp.

F. J. Forristel, '54, is now head of Quality Assurance and Sustaining Engineering for the Naval Representative Office at the Lockheed plant in Sunnyvale, Calif.

'55 - '59

Roger Moksness, '56, has been named production manager of the new Weyerhaeuser Company plant at Longview, Wash.

USAF Lt. Col. Duane G. Spriggs, '56, was recently named the Pacific Air Forces' outstanding supply senior manager for 1975. He is currently stationed at Tinker AFB, Okla.

Richard B. Cason, '57, who is employed at Burgstahler, Holmes and Carlson Consulting Engineers in Portland, has been installed as president of the Structural Engineers Association of Oregon.

Dr. Tommy W. Ambrose, '57, has been appointed director of Battelle's Pacific Northwest Division at Richland, Wash.

Mary Ann Tschache, '57, a teacher at Gresham High School, was recently honored by the Oregon Business Educator's Association and named Oregon Business Teacher of the Year for 1975.

Ron Price, '57, a cattle rancher from Bonners Ferry, Idaho, recently ran in the National AAU Masters' Marathon Race in Medford representing the Marine Corps Reserve and the Spokane Club.

Harold L. Simes, '58, has been named Entiat District Ranger in Eastern Washington.

Bruce Michels, '58, lives in Sunnyvale, Calif., where he is a division manager at Ray Chem Corp. His wife is the former **Diane Myers**, '61.

Robert Ranslam, '59, has been named advertising and safety manager for Pendleton Grain Growers in Pendleton.

Mrs. John Carskadon (Mary O'Connor), '59, and family have moved to Sublimity. Her husband is a department manager for PayLess in the Lancaster Mall in Salem.



Smith heads organization

A. H. "Pete" Smith, '40, manager of Oregon State University Book Stores, Inc., is serving as president of the Western College Bookstore Association, a professional organization of 55 college and university book store managers from the eight western states.

Smith has been on the Association's board of directors since 1970, the year he became manager of the OSU stores. He served four years on the buying committee that meets annually to deal with suppliers and make buying arrangements.

The main OSU book store occupies the east wing of the Memorial Union, and a branch store is located on the northern edge of the campus. One of the few cooperative-type university book stores in the country, the OSU corporation refunded more than \$308,000 to its student, faculty and staff members last year.

committee headed by Fred LeRocker."

Out of the discussions with LeRocker grew SPAN, the Senior Power Advocacy Network.

"We intend SPAN to grow and become truly representative of all Santa Clara County older people as an answer to their problems that aren't being taken care of through conventional channels," Chattin said.

"At our organizational meeting before Thanksgiving more than 100 people turned out. They represent 47 different groups and clubs which altogether have a membership of thousands of seniors."

"Our real aim is the effective mobilization of senior power."

"That power will be exercised at the ballot box and through delegations at hearings that concern older people at all levels of local, state and national government."

"We intend to put the heat on lawmakers in behalf of legislation and programs needed by older people..."

Born and reared in Ashland, Ore., Chattin worked his way through high school as agent for the San Francisco Chronicle and Examiner and the Portland Journal.

He graduated from Oregon State University at Corvallis in 1934 with a B.S. in physics. Jobs in his field were scarce so Chattin went to work for the U.S. Geological Survey doing topographical mapping in Oregon and Washington.

In 1938 he landed a job with the National Geophysical Co. of Dallas, Tex., as a surveyor, then developed into an analyst for seismic surveys for oil explorations.

Three years later the United States was in World War II and Chattin was a Navy officer working on a secret program to develop radar. While in the Navy he had advanced training at Harvard and at Massachusetts Institute of Technology.

Chattin was in charge of officer training at the Navy electronics school at Treasure Island when he completed his five years of military service in 1947. He then went into business for himself, contracting to refurbish electronic equipment on Navy vessels undergoing repairs in private shipyards.

His firm, Chattin Engineering Associates, of Oakland, developed the first single side-band radio-telephone licensed on a U.S. merchant ship. This greatly improved the efficiency of long-range ship-to-shore communications.

In 1958 when his partnership broke up because of personality conflicts, he went to Lockheed where he worked until his mandatory retirement in 1972.

Chattin is now alternate convener of SPAN, one of the two top positions in the newly formed organization. And it is obvious that with leaders of his ability and dedication, "Senior Power" is likely to become much more than an empty slogan.

Robert Bourhill, '60, who works for the Oregon State Department of Forestry in LaGrande, recently completed the third version of a code book identifying cigarette brands for use in tracing the beginning of forest fires.

Barrat G. Scott, '60, works as a logging engineer for the Lebanon-Idanha operations of the U.S. Plywood Division, Champion International Corp.

Stephen K. Jackson, '61, former marketing manager for Georgia Pacific, has been named general manager of the Portland office for McCann-Erickson.

Dr. Carol Cooper, '61, is an assistant professor of physical education at the University of Northern Iowa in Cedar Falls.

Gary Lundberg, '61, has purchased the L. B. Hall Funeral Home in Grants Pass. The business is now known as Lundberg's L. B. Hall Funeral Home. His wife is the former **Debbie Bennett**, '60.

Robert Morgan, '62, is the new resident mill manager of Crown Zellerbach's mill in Lebanon.

Barbara Kibe Nekoba, '63, recently earned a master of library studies from the University of Hawaii. She now lives in Alexandria, Va.

Margaret D. Soden, '64, works at a local clinic pharmacy and at the Alaska Native Health Service clinic in Fairbanks, Alaska.

Runyan named

Marvin W. Runyan, '41, has been named president and chairman of the Board of Stevens. Thompson & Runyan, Inc., (STR) engineering and planning consultants headquartered in Portland. He previously was executive vice president and director of operations.

The firm, an affiliate of CRS Design Associates, Inc., of Houston, also has offices in Milwaukee, Houston, Boise and Seattle.

Runyan has been associated with STR since 1940 with the exception of three and one-half years service in the Army during World War II. In the last 25 years, he has been responsible for the design and engineering administration of a long list of metropolitan sewerage projects, industrial water systems and water works improvements throughout the Northwest.

Active in professional organizations, Runyan was named Outstanding Civil Engineer for 1974 by the Oregon Section of the American Society of Civil Engineers.

Michael A. McCallister, '65, is serving as meteorological officer of the USS Okinawa which participated in the evacuation of people from Phnom Pehn and Saigon.

Robert L. Brown, '65, has been promoted to district engineering manager for Exxon Company in the Midland, Tex., district.

Mr. and Mrs. Richard Marion, '65, (Sharon Kay Morgan, '66) recently moved to Roseburg where he is sales manager for the Roseburg Lumber Co.

Darrell W. Haller, '65, received his doctorate from Brigham Young University and is now principal at Lone High School in Lone, Calif.

Wayne Wilkinson, '65, has relocated his pharmacy in Roseburg. It is now known as Wayne's Pharmacy and is located in Marks Shopping Center.

Wesley L. Ellis, '65, has been promoted to materials manager for Reynolds Metals Co. in Longview, Wash.

Marlene Piper, '66, a physical education instructor at Portland State University for six years, has been named director of women's athletics there.

Dick Bewersdorff, '66, has been named city planner in Forest Grove.

W. C. (Chuck) Armstrong, '66, assistant vice president and director of marketing at The Oregon Bank, Portland, has been named a vice president. He joined the bank in 1972.

William R. Leininger, '67, lives in Klamath Falls where he is principal at Pelican Elementary School.

Charles G. Wood, Jr., '67, has been appointed manager of Owens-Corning Fiberglas Corporation's Sacramento Supply Center.

Dale Robley, '67, has joined MEC & C Advertising, Inc., as vice president of client services. He and his family live in Lake Oswego.

David Krumbein, '67, has opened an office in Pendleton as a registered land surveyor and engineer.

Dr. James R. Clifton, '67, a research chemist for the National Bureau of Standards, U. S. Department of Commerce, recently received a Silver Medal Award for meritorious contributions.

David Nutter, '67, has been named field sales representative in the Anchorage, Alaska, branch of Burke Concrete Accessories, Inc.

James F. Seagraves, '67, has moved from Sulphur Springs, Tex., to Oak Harbor, Wash., where he is associated with the firm of Pat Sullivan Realty Co.

Roger Fouts, '68, has been promoted to manager of the Woodburn Lumber Co. in Woodburn.

From the Stater...

Dear Friends:

This is to let you know that my father, **Homer S. Wall**, '09, died Oct. 24 in Spokane, Wash. After graduation from OAC, he worked as a civil engineer until his retirement in 1955.

He is survived by his daughters **Mignon** (Mrs. George P. Newton), '38, Klamath Falls; **Jeanne** (Mrs. Neil Cruse), and **Caroline** (Mrs. Lowell Eddy), Bellingham.

I was sorry to read of the recent death of my old friend **Dr. Daniel T. Ordeman**.

Mignon Wall Newton, '38
P.O. Box 475
Klamath Falls, Ore. 97601

Dear Editor:

On behalf of the alumni organization of the School of Home Economics, I would like to express our sincere appreciation for the efforts which you and your staff put forth in regard to our annual conference in November. The program did seem to be very well received and through your coverage many additional people had an opportunity to learn of it.

I would also like to comment on the photographs which were used in the *Oregon Stater*. They projected such a feeling of good times and warmth, which is just what an alumni gathering should be.

Again, thank you very much.

Marilyn Melson Stevenson
'50, President elect

Credit for the excellent photos should go to Mary Holthouse of the Department of Information and student photographer Larry Hoffman.—Ed.

Dear Editor:

Please send complete information on World Campus afloat...

After 26 years of employment with Boise Cascade in both Salem and Vancouver, Wash., I have retired.

Part of my new spare time will be spent in serving on the building committee of the Fort Vancouver Seamen's Center. This is a volunteer and UGN supported organization which extends a hand of hospitality to visiting seamen from foreign lands.

Also, my wife **Maxine (Vaughn)**, '43, and I hope to do some extended traveling.

Donald R. Darby, '44
3909 Washington St.
Vancouver, Wash. 98660

Dr. James R. Finlay, Jr., '68, has joined his father, **Dr. James R. Finlay, Sr.**, in the practice of dentistry in Roseburg.

Dale Zimmerman, '68, has been promoted to senior investment officer at the main branch of U.S. National Bank of Oregon. He and his wife live in Gresham.

Gary R. Newell, '68, has been transferred by Union Carbide Corp. to the Southern California area where he is working in management sales for the Eveready Battery Division.

Larry L. Strand, '69, recently completed a two-year postdoctoral fellowship at Boyce Thompson Institute in Yonkers, N.Y. He and his wife (**Mary Ann Sall**, '73) have moved to Davis, Calif., where she has taken a position as assistant professor in the Department of Plant Pathology, University of California at Davis.

Linda L. Craft, '69, received a masters degree at the University of Puerto Rico and is now working as instructor of marine biology at the College of the Virgin Islands in St. Thomas.

Carl H. Kelly III, '69, a registered pharmacist, is co-owner of the Santa Ana-Tustin Clinic Pharmacy and La Mesa White Front Drugstore in California.

Willis d. "Willie" Thompson, '68, received an MBA from the University of Santa Clara in June. He has been engaged by Ray Thomas Enterprises of Santa Barbara as their first administrative assistant.



Pre-game fare is enjoyed by, left to right, **Holly (Johnson) Miles**, '70, director of Linn-Benton Homemaker Service; **Boyd Levet**, '69, newsman with KOIN-TV, Portland; **Bonnie (Kehret) Levet**, '70, and **Denny Miles**, '67, OSU assistant director for broadcast media, Department of Information. (Photo by Bob Henderson, '38)

Claudia (Gleason) Sonnen, '68, won the major trap shooter handicap over 300 others at the Oregon State Shoot in Salem. She broke 98 of 100 targets. This tied her with two men and she easily won the shootoff with 25-straight hits. Husband **Pat**, a plumber for Milwaukie Plumbing, also is a trap shooter. They live in Clackamas.

Erika Bessmer, '69, lives in Tacoma and is a stewardess with the Flying Tiger Line with Military Air Command charters to Asia and Europe.

William a. Robson, '69, is employed as a sanitarian for the Food and Drug Department, Oregon State Department of Agriculture, in Klamath Falls.

Lynda Connine Easterly, '69, works as a medical technologist and Blood Bank supervisor at Kaiser Hospital in Novato, Calif.

Tharon E. O'Dell, '69, lives in Arcata, Calif., where he is assistant professor of forestry at Humboldt State University.

Dale R. Greenley, '69, is chief biochemist with the Umpqua Research Co. of Myrtle Creek.

Michael L. Matthews, '69, was recently transferred from the Louisville, Ky., plant of Rohm and Haas, Inc. to their facilities in Fayetteville, N.C. He will be supervisor of the quality control laboratory for a new plant after three weeks in Japan observing a similar plant and its chemists and engineers.

'70 - '75

J. Edward Alexander, '70, has been named resident manager at the Northern Ordinance Division of FMC Corporation in Minneapolis.

Gary Stevens, '70, has been hired by the Environmental Sanitation Division of the Jackson County Health Department in Medford as a sanitarian trainee.

Betsy C. Cowan, '71, is engaged in wholesale and freelance interior design work in San Francisco.

Dr. Noble to direct institute

Dr. Ernest P. Noble, PhD '55, since 1969 professor of psychiatry and human behavior at the College of Medicine at the University of California, Irvine, and nationally known researcher on alcohol and the brain, Jan. 1 became director of the National Institute on Alcohol Abuse and Alcoholism.

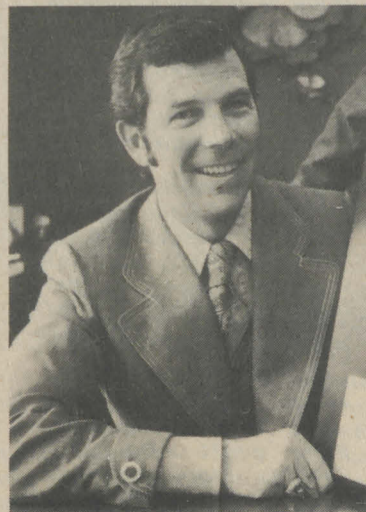
The National Institute is part of the Alcohol, Drug Abuse and Mental Health Administration of the U.S. Department of Health, Education and Welfare.

"Dr. Noble's appointment is an indication of his stature in the field of alcoholism research," said Dean Stanley van den Noort of the UCI College of Medicine.

He received his PhD in biochemistry from OSU and an MD from Western Reserve University. He was a Fulbright Scholar at the Sorbonne in Paris where he did postdoctoral work in biochemistry as well as at Western Reserve. He also taught at Western Reserve and at Stanford University School of Medicine.

He was on sabbatical from the UCI College of Medicine last year as a Guggenheim Fellow at the Neurochemistry Institute in Strasbourg, France, where he pursued his research in the biochemistry and neurochemistry of alcoholism.

Engraving award earned



Ed Stanley, '59

It isn't often that international awards find their way to the Northwest but one did recently when it was announced that Fine

Arts Engravers, Inc., of Portland was awarded the ESMA Award, given annually by the Engraved Stationery Manufacturers Assn. for the best engraved letterhead in North America.

Edwin Stanley, '59, is president of Fine Arts Engravers and The Crown Co.

This is the first time a Northwest firm has received this coveted international honor. It was given in recognition for the craftsmanship utilized in the production of an engraved letterhead for Mel Krebs Communication Design. Mel Krebs, president of the firm, did the work for the letterhead.

Fine Arts Engravers is the largest producer of engraved commercial stationery and other engraved paper products in the Northwest. It is also the largest manufacturer and designer of scholastic graduation products, which are distributed through The Crown Co., Inc.



LeVelle Wood, '21 (left), and **Holly Schrank**, head, Department of Clothing, Textiles and Related Arts, discuss a Chinese embroidery being given the department for its teaching collection by Miss Wood.

After retiring as the chairman of the division of institution management, Ohio State University, in 1966, Miss Wood took a 9-month world tour, when she collected many of the materials in her recent gift to the University.

Miss Wood is a former president of the American Dietetic Association and the recipient of one of its highest honors in the field of institutional dietetics. Ohio State also honored the former educator in 1970, when it presented her with a plaque for special service to the university.

A life member of the OSU Alumni Association, Miss Wood now resides at 12705 S.E. River Road, Milwaukie.

OSU Alumni Assn. Board of Directors

Members of the board of directors of the OSU Alumni Association devote considerable time and thought to studying and analyzing events and policies at OSU. If you have any questions or comments about the University, the board members in your area would be happy to hear from you. Members include:

R. Stevens Gilley, Portland (president)
Kenneth Place, Corvallis (first vice president)
Marvin Coats, Albany (second vice president)
Norman Thiel, Corvallis (treasurer)
C.H. "Scram" Graham, Corvallis (director)
Robert G. "Bob" Allen, Corvallis (assistant director)
Cleora Adams, Corvallis
Mrs. Robert R. (Mary) Adams, Corvallis
Terry Baker, Lake Oswego
Mrs. Harold (Joan) Balin, Klamath Falls
Thomas F. Benz, Portland
John H. Bergen, Coos Bay
G.M. "Jud" Blakely, Portland
Mrs. Robert (Polly) Bragg, Mercer Island, Wash.
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Alex G. Findlay, Boise, Idaho
Rene E. Fritz, Jr., Albany
Ron Fundingsland, Portland
Richard E. Gervais, Bend
Allan Gilbert, Corvallis
Mrs. John (Phyllis) Hann, Salem
Gerald R. Hulsman, Portland
Robert W. Jacobson, Newport
Duane Jue, Astoria
John Kerr, Salem
E. B. Lemon, Corvallis
Robert Loomis, Eugene
Mrs. Harold (Virginia) Mackin, Portland
Robert O. McKittrick, El Cajon, Calif.
Mrs. Gerald (Patricia) Morgan, Portland
Richard J. Nelson, Beaverton
John Pihlas, Lake Oswego
Clyde C. Saylor, Jr., Eugene
D. Paul Schanno, The Dalles
Jack T. Stiles, Lake Oswego
Chan A. Stokes, Roseburg
Stan Timmermann, Pendleton
William F. Toole, Corvallis
David S. Tucker, Jr., Oakland, Calif.
Diane Van Smoorenburg, Corvallis
Mrs. Melvin (Carol) Williams, Tillamook
Frank J. Yraguen, Vale

Jerry D. Hasting, '71, is now working for the Boy Scouts of America as district executive in the North Central Washington Council. He lives in Moses Lake, Wash.

Thomas J. Spink, '71, is employed as technical director for Georgia-Pacific Corp. in Bellingham, Wash.

James R. Beck, '72, received a PhD in May from Rosemead Graduate School of Psychology and is now serving on the staff of Alhambra Psychiatric Hospital in Rosemead, Calif.

Bruce H. Burton, '73, recently received a masters degree in geology from the University of Minnesota.

Candy Sue Pierson, '73, lives in Anchorage, Alaska, where she works for Alaska Mutual Savings Bank.

David P. Adams, '73, is employed as project engineer in the electrical department of Underwriters Laboratories, Inc. in Santa Clara.

Second Lt. Gregory L. Schnaible, '73, has been named an outstanding graduate upon completion of USAF pilot training at Vance AFB, Okla., and has received his silver wings.

Wendolyn T. Peace, '73, lives in Alexandria Va., while her husband is stationed with the U.S. Navy in Washington D.C., and works as a medical technologist.

Randi Gates, '73, is executive vice president of FMG, Inc., a Texas-based corporation, and lives in Yuma, Ariz.

Lee Stream, '73, has been named wildlife control agent for Walla Walla County by the Washington State Game Department.

Bruce Elch, '74, has been appointed manager of the Molalla Branch of Salem Federal Savings and Loan.

Sean B. Furniss, '74, a wildlife biologist presently serving as a volunteer in the Peace Corps, is taking the first ecological survey of birdlife in the eastern Llanos region of Colombia.

Donald Morris, '75, is a process engineer for Boise-Cascade Corp. in Salem. His wife (Kathleen Gale, '74) is a sanitarian for the Benton County Health Dept.

Debbie McKay, '75 is working for a commercial artist in Ft. Worth, Tex.

Dr. Timothy J. Stanaway, '75, was recently named dean of students at Oregon Institute of Technology in Klamath Falls.

A mention was made in an *Oregon Stater* last fall of a memorial gift in the memory of a Charlotte Thompson. That Charlotte Thomson was Mrs. R. C. Thomson of Butte Falls, Ore., and not the Mrs. Charlotte Thomson who still resides in Laguna Hills, Calif. The gift had been made for the Jackson County Home Extension University Scholarship Fund. We regret this confusion.



The occasion was the Presidents' Breakfast this fall and it brought together a number of former undergraduate and administrative campus leaders, including the above. Left to right, Percy Locey, '24; former University President A.L. Strand; Roy S.

"Spec" Keene, '21, (seated); George Dewey, '45; John Gallagher, '37; Dan Poling, '28, dean of men emeritus; C. H. "Scram" Graham, '36, director of alumni relations; John Alexander, '23; Ursel Narver, '28. (Photo by Bob Henderson, '38)

MARRIAGES

Roger W. Corrigan, '71, and Anne Marie Rock; Aug. 2 in Sidney, N.Y.

Richard H. Doran and Patty Briece, '75; Nov. 22 in Portland.

Robert D. Nelson, '74, and Jary Nan Pierce, '75; November in Beaverton.

Roland Emil Crop, '66, and Charlene Marie Jones; Nov. 22 in Portland.

Kenneth Francis, '74, and Barbara Wolfsehr, '74; Nov. 23 in Portland.

Frank Lowells and Karen Eileen Benson, '74; Nov. 7 in Salem.

Stephen Whittemore, '71, and Christine Chenault; Oct. 11 in LaGrande.

Jay Wilt, '75, and Veronica Patterson; Nov. 27 in Columbus, Miss.

Douglas Clark Cleavenger, '70, and Maureen Schmidt; Oct. 11 in Rockaway.

Michael Byron Sanderson, '74, and Diana Lee Enyart; Nov. 15 in Portland.

Glen Leslie Fortner, '70, and

Cherri Kittery Cartozian; Nov. 15 in Portland.

Timothy H. Sias, '72, and Mary Kathryn Swank, '74; Nov. 8 in Portland.

Thomas Lee Groat, '71, and Janet Barbara Godard; Nov. 23 in Beaverton.

Mark Davies Hogensen, '75, and Karen Louise Caldwell; Nov. 15 in Corvallis.

Patrick Allen Robbins, '75, and Katherine Muriel Knight, '75; June 28 in Walnut Creek, Calif.

Steve W. Johnson, '75, and Carol A. Stevens, '75; Oct. 4 in Lake Oswego.

Michael Ken Ishii and Janice Sadako Soga, '74; Nov. 8 in Portland.

Tim M. McDaniel, '73, and Lynn Marie Altana; October in McMinnville.

Joel David Reynolds, '74, and Holly T. Braun, '75; Oct. 18 in Salem.

Paul Richard Bruce, '74, and Kay Colleen Frye; Sept. 13 in Portland.

Gary Glen McLain, '66, and Libby Meredith Hambly; October in Grants Pass.

IN MEMORIAM

Leland Hobart Spring, '10, of Corvallis; Oct. 27 in Corvallis.

Harriett Foster Lowry, '16, of Woodburn; Nov. 24 in Woodburn.

Albert B. Shankland, '18, of LaGrande; June 11 in LaGrande.

Walter V. Monger, '16, of Roseburg; Oct. 18 in Roseburg.

Wayne William Gordon, '20, of Salem; Sept. 14 in Salem.

John Donald Jenkins, '20, of Milwaukee, Wisc.; Nov. 9 in Milwaukee.

Harold Samuel Carter, '21, of Salt Lake City; Nov. 3, 1974, in Salt Lake City.

Clell Grandison Brown, '23, of Oakland, Calif.; Sept. 24, 1974, in Oakland. He was affiliated with KDR.

Alexander Smith, '24, of Corvallis; Jan. 4 in Corvallis.

Marvella Young Kretzer Scott, '26, of Milwaukee; Nov. 14 in Milwaukee. She was affiliated with SK.

Tinsman Robert Craig, '31, of Brentwood, Calif.; Nov. 18 in Brentwood.

Frank Parr, '31, of Walnut Creek, Calif.; Oct. 17 in Walnut Creek.

Vivian Werschul Shaylor, '31, of Portland; Oct. 31 in Portland.

Theodore Richard DeWitte, '32, of Portland; Nov. 5 in Portland. He was affiliated with SP.

Clarence V. Lovin, '32, of Portland; November in Portland.

Elmer Alfred Buckhorn, '33, of Portland; Nov. 17 in Portland. He was affiliated with SAE.

Emmett Raymond Mitchell, '33, of Lake Oswego; Oct. 6 in Lake Oswego.

Henry A. Collin, Jr., '34, of Fresno, Calif.; Nov. 9 in Fresno. He was affiliated with SPE.

Holly Vernon Holcomb, '39, of Salem; Nov. 25 in Salem. He was affiliated with SPE.

Dale Harvey, '40, of Dorena; Sept. 28 in Dorena.

Jack Hugh Peterson, '55, of Klamath Falls; Oct. 31 in Pendleton.

Robert J. Henry, '59, of San Gabriel, Calif.; Oct. 28 in Los Angeles. He was affiliated with BTP.

Thomas Warner Laski, '74, of Portland; Nov. 4 in Portland. He was affiliated with DTD.

FACULTY

W.M. Atwood, retired faculty member of OSU and charter member of the Society of Plant Physiologists; June 19 in Greenbrae, Calif.

Let's hear from you!
Write ...
Oregon Stater
Admin. Bldg.
Corvallis, Ore. 97331

Winger active retiree

Fred E. Winger, who taught business education in the School of Business for 27 years, is keeping very busy with awards, speaking engagements and travel.

Dr. Winger retired in September 1974 after having been named "Oregon Business Teacher of the Year" by the Oregon Business Education Association.

He admits you can hardly call it retirement.

Last year he spoke in 28 states to business teachers at conventions and meetings. He was awarded a plaque by the 11 areas of the Oregon Vocational Association as "Outstanding Educator - 1975." He was also honored by the California Business Education Association, Southern Section, Los Angeles, for "Professional Dedication to the Association and to Business Education."

Awards are not new for Dr. Winger. In 1956, he was one of the first winners of the

"Outstanding Teaching" award of the University. He won the honor for the School of Business in 1968 and also gained initiation into Blue Key, service honor society.

A dozen or so books of which he is the author or co-author and which are widely used in teaching typewriting also have brought him recognition.

Dr. Winger, who still resides in Corvallis, graduated from the University of Nebraska, earned his master's degree at the University of Iowa, and his doctorate at the University of Oregon. He taught at Stephens College before joining the OSU faculty in 1947.

The present busy schedule has its advantages and drawbacks. He misses the students and classes but the talks take the place of this. On the other hand, he declared, he certainly does not miss any of the administration and committee duties.

Entomology head dies

Knud G. Swenson, former head of the Department of Entomology and a faculty member since 1954, died August 18. He was 52.

Head of the OSU department from June, 1971, Swenson returned to full-time teaching and research October 1, 1973. He retired from the university August 1, 1974, because of illness.

An international leader of work on insect transmission of plant virus diseases, Swenson received a Guggenheim Fellowship in 1960 for specialized study in Australia. Five years later, he was one of 10 U.S. scientists selected to participate in an international conference on plant viruses in Japan.

Many professional activities

Swenson was active in the Entomological Society of America and was chairman of the Editorial Board of the Society's *Annals*. A visiting lecturer in plant virology at Cornell University in 1964, he was a member of the American Phytopathological Society, a former president of the local chapter of Sigma Xi and a fellow of American Association for the Advancement of Science. With students, he published 80 papers including parts of books, scientific papers in 12 journals, articles in several horticultural yearbooks or special editions and New York and Oregon technical bulletins.



Knud G. Swenson

In Corvallis, Swenson was a member of the Sierra Club and a former president of Corvallis Toastmasters' Club 395.

Born in Brookings, South Dakota, Swenson earned a bachelors degree at South Dakota State University, attended Iowa State University and received a Ph.D. degree from the University of California at Berkeley. During World War II, he served in the Infantry three years.

Before joining the OSU faculty, Swenson was an assistant professor of entomology at the New York Agricultural Experiment Station at Cornell University.

He is survived by his wife, Vaudis, and two children, Elin Kay and Larry.

Alumni may submit award nominations

OSU's Faculty Recognition and Awards Committee invites nominations from members of the faculty, alumni and friends of the University for Distinguished Service Awards. The closing date is March 1, 1976.

Distinguished Service Awards will be granted to persons, and in some cases to organizations, who have made an exceptional contribution to society, or who have rendered unusual service to mankind.

Persons or organizations receiving these awards need not have any connection with OSU. Most selected previously, however, have had some connection.

Generally, the awards will not be given to current staff members or persons with emeritus status except under unusual circumstances. All nominations will be judged strictly on the basis of the nature of the contribution made.

Letters of nominations should be addressed to Dr. Robert MacVicar, President, Oregon State University. All nominations should be accompanied by supporting data. The committee needs information sufficient to allow it to make an evaluation.

The Committee will screen all nominations and submit a list of eligible candidates to the President for further consideration. The names of those approved will then be presented to the Faculty Senate for final consideration in a closed session.

Persons and organizations receiving OSU Distinguished Service Awards in previous years are:

1964-M. Lowell Edwards
Lihus Paoling
Ernest H. Wiegand
1965-E. Soon Choi
Oregon Wheat Growers League

1966-Ava Milam Clark
David T. Mason
Charles A. Sprague
1967-Augus L. Bosmer
Ulysses G. Dubach
Helen M. Gilkey
Milton Harris

1968-Frank L. Ballard
Wayne V. Burt
Vernon Cheldelin*
Ava Milam Clark
Francois Archibald Gilliland
Edwin Russell Jackson*
William Jasper Kerr*
Erwin Bertram Lemon*
Clifford E. Maser*
Walter Fraser McCulloch
Herman Oliver
Frederick Earl Price
Margaret C. Snell*
*Posthumous

1969-Roland E. Dimick
Bernard Malamud
Wayne L. Morse
George W. Peavy
1971-Kirby E. Brumfield
J. W. "Bud" Forrester, Jr.
William Edmund Milne
John C. Scharff
T. J. Starker

1972-Edith Green
Richard W. Henzel
Glenn L. Jackson
Charles T. Parker
1973-Mercedes Bates
Hollis Dole
Harry Schoth
Ernest R. Sears

1974-Paul H. Emmett
Charles N. Holman
Fritz Leonhardt
Mabel C. Mack
John H. Martin
Phi Kappa Phi Honor Society
Clarence Richen
Howard Vollum

1975-Howard C. Belton
Robert D. Clark
Julia B. Hansen
Spencer H. Smith
Wendell Wyatt



There's no mistaking the cover on Lou Pappas' new book on bread baking.

Recipe books published

"The Crockery Pot Cookbook" and "Bread Baking" are the latest books from the pen of Lou Seibert Pappas, 1952 home economics graduate.

The soft-cover books, published by Nitty Gritty Productions of Concord, Calif., are printed in brown on buff paper. Recipes are imaginatively illustrated with line drawings by artist Mike Nelson.

In his syndicated column, "Beard on food," James A. Beard named "Bread Baking" as one of three paperback books that "particularly impressed me this year." Mrs. Pappas' other new book is listed in "Consumer Reports" in an article on choosing a crockery cookbook, and praised for its novel format and interesting recipes.

Mrs. Pappas' first cookbook, "Crossroads in Cooking," was published in 1973. Two more followed in 1974 - "Green Cooking" and "Party Menus," both published by Harper and Row, N.Y.

According to her mother, Mrs. Norma Seibert, '26, '73, of Corvallis, Lou has been doing some free lancing, is teaching several classes, and has another book in the making. The Pappas family lives in Portola Valley, Calif.



THE SUPERIOR SERVICE AWARD of the U.S. Fish and Wildlife Service recently was awarded posthumously to Howard M. Wight, '48, leader of the Oregon Cooperative Wildlife Research Unit at Oregon State University. The award was presented to Mrs. Wight by OSU President Robert MacVicar (center) at the OSU Department of Fisheries and Wildlife which is headed by Richard Tubb (left). The professional career of Wight, who died in July, spanned 25 years and included two tours of duty with the Fish and Wildlife Service. He had been a research biologist with the Migratory Bird Populations Station at Laurel, MD, before heading the research unit at OSU. Earlier he had been a wildlife research biologist with the Missouri Conservation Commission and taught in the OSU Department of Fisheries and Wildlife. (OSU Agricultural Experiment Station Photo)

Nine of '45 Mortar Board hold reunion

Contrary to current statistics on marriage, the nine members of Mortar Board in 1945 found they were still wed to their first mates when they met for a reunion last summer in Portland and Corvallis.

They included Eris Green McCarthy, former AWS president; Betty Saum March, student body vice president; Marge Saunders Edwards, student body secretary; Marion Kierzek Perryman, Beaver editor; Violet McKeen Nordlinder, Beaver manager; Stella Spears Mitchell, president of Round Table; Virginia Macpherson Johnson, president of Mortar Board; Marie Ferraris Boyden, senior class president and Pat Glenn Hagood, Barometer editor.

Mrs. March, whose husband Pat (OSU 1941-42) is a Rear Admiral, came from Maryland. They had spent 15 years in Africa, Europe and the Far East. They have daughters Peggy, Terry, and Molly attending Stanford, Cornell, and University of Hawaii respectively.

Instigator of the reunion by remote control was Mrs. Edwards, whose husband, John, is a lawyer near Glendale, Calif. They have the one and only grandchild of the group. Ryan William Edwards, born Feb. 13, 1975. They have two grown sons, Tom and Mike, and a daughter, Pam, who was recently married.

Mrs. McCarthy proved to be the most persuasive mother having managed with her husband, Royal's help to send three children to OSU. Christine McCarthy was a member of the Mortar Board class of 1973-74 and graduated in pharmacy last June and is working at Salem Memorial Hospital. Bruce graduated in civil engineering in 1972 and is a lieutenant in the Air Force at Columbus Air Force Base in Mississippi. Nancy is a junior in engineering.

Two other children graduating from OSU are Connie Johnson, who graduated in forestry in 1975, and Nancy Hagood, who graduated in art education in 1972.

Vocationally, the home economics majors outnumbered the rest. This interest resulted in a deluxe tour of the home economics building and description of programs led by Dean Betty E. Hawthorne and Mrs. Connie Shupe Plants.

Home economics major Mrs. Johnson is presently an administrative volunteer for the National Board of Directors of Camp Fire Girls. Her husband, Robert Johnson heads the river pilots association in Portland. Mrs. March was in merchandising before her marriage.

Home economics majors McCarthy and Hagood have taught school and Mrs. Hagood has been a reporter-photographer for the Yakima Herald and other newspapers and magazines. Royal McCarthy is an automobile distributor in Eureka. Mel Hagood, '48, is state irrigation and water use specialist for Washington State University and is a consultant for the United Nations Food and Agriculture Organization in Rome, Italy, serving in the Middle East and Bangladesh. Mrs. Edwards is a volunteer worker and interested in diets for those who belong to a Southern California organization of ileostomy patients. Mrs. McCarthy is an active volunteer for chemotherapy and cancer tumor clinics for the West Coast Cancer Foundation in Eureka.

Education major Mrs. Perryman is librarian for Lakewood schools near Tacoma. Her husband (Joe) is retired from the army after serving in San Francisco, Japan, and Ft. Lewis. Mrs. Mitchell taught school in Nigeria where her husband, Dr. J. Robert Mitchell was attached to the Ford Foundation for 15 years. Her husband was Chief Administrative officer for development of the International Institute of Tropical Agriculture in Nigeria. Mrs. Boyden teaches foreign languages at Crook County High School in Prineville where her husband, Charles, is manager of Pacific Power & Light.

Business major Mrs. Nordlinder, is personnel manager for Charles F. Berg in Portland. Her husband is a retired contractor.

The reunion was saddened by the death of Mrs. John Kierzek, whose husband was former chairman of the OSU English Department. Members of the group visited Dr. Kierzek and Dr. Tom Ordeman, former OSU English teacher and registrar. Mrs. Charles Glenn also passed away of cancer in August. She was a member of the State Water Board appointed by Governor Tom McCall - Pat Glenn Hagood, '45

Horner Museum Bicentennial Winter 1976



February 1st 2:30 p.m. "Forty-Nine" melodrama by Joaquin Miller Oregon's poet of the Sierras. Eugene Theater Co. general admission \$2.00 seniors & children \$1.00. tickets at the door.

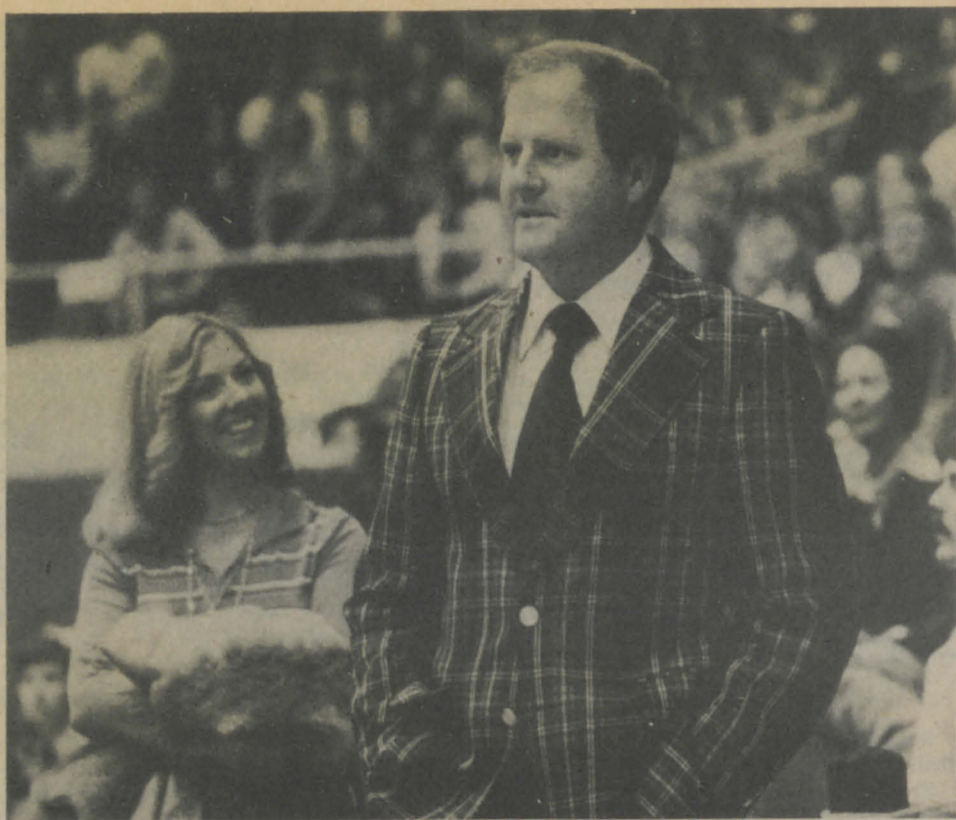
February 15th 2-5 p.m. opening of Willamette Valley 1850-1900-architecture, logging, costume, & genealogy. two Willamette Valley films- "Heart of the Valley" & "They Hailed a Steamboat Anyplace" free.

February 22nd 3 p.m. Premier of film on Oregon's Indian Festivals. free.

March 7th 2 & 3:30 p.m. film "Shadow Catcher" about Edward Curtis, photographer, anthropologist & film maker- Curtis worked with Indians 32 years. Admission 25¢.

March 14th 2:30 p.m. "Fashion" satirical play written in 1845 by Anna Cora Mowatt. general admission \$2.00 seniors & children \$1.00.

Bicentennial program partially funded by the American Revolution Bicentennial Commission



OSU's new football coach, Craig Fertig, and wife Nancy are introduced to students and fans at Gill Coliseum. The Fertig

family also includes Marc, 6, and Jennifer, 4.

Fertig era begins

The Craig Fertig era began in Oregon State football on Dec. 12, 1975.

It was a running, busy start. Within 24 hours, the ex-USC star quarterback visited the OSU campus and held a press conference, started hiring his staff of eight assistants and began recruiting players for the rebuilding of the Beaver fortunes. Meanwhile, he was dividing time while helping prepare the Trojans for a fine Liberty Bowl victory 10 days later.

To say that this easy-to-meet, articulate young man came well-recommended would be one of the understatements of the sports year.

The high regard in which he was held by his coach and boss at USC, John KcKay, was evident. He was a key assistant for 10 years in one of the most successful college football programs ever put together.

Others in the profession also offered their strong backing for Fertig as did many players who played under him at USC.

"Actually, we looked the entire country for the best man available for our coaching job," said new Athletic Director Dee Andros, "and I don't think under any circumstances could we have a better man than Craig Fertig."

Interestingly, Fertig also drew some important recommendations as the result of his one year away from the Trojan organization. In 1974, he joined the Portland Storm staff. The pro-league folded but not before Fertig made his mark as offensive coordinator, helping the Storm win seven of nine games in a late run.

The next year, he rejoined McKay and the Trojans. He had gained some valuable coaching experience and, perhaps more important than that as far as the OSU job was concerned, this Los Angeles native had come to know the Northwest. Not only did he become acquainted with some people who were to back him enthusiastically for the Beaver post, but he liked the Northwest. He and his wife, Nancy, liked the people and the environment—and he liked the high school football he saw.

So, when the Beaver job opened up, Fertig was an enthusiastic candidate.

"I think when every man starts into this profession he aspires to be a head coach," he said. "When Coach Andros and Dr. MacVicar gave me this opportunity at Oregon State it was like scoring a touchdown in the Rose Bowl."

Fertig was an all-city high school quarterback at Huntington Park in Los Angeles. He was among the first players John McKay recruited at USC.

He wound up his Trojan player career in 1964 by leading his team to one of the all-time great victories over Notre Dame.

The Trojans trailed the Irish, 17-0, at halftime but came back and won, 20-17, on a Fertig to Rod Sherman pass in the final seconds. He was co-captain of the team and won the coveted most inspirational player award. He also won an Alabama letter jacket that year. Coach Bear Bryant sent him one

because the Trojan victory over Notre Dame made Alabama No. 1.

His big game that year came against Cal when he bested the Bears' Craig Morton in a 26-21 scoring duel. In less than a minute, he marched the Trojans 95 yards for the winning throw to Sherman. For the day, he completed 21 of 26 passes for 371 yards, still a school record, and four touchdowns. When he left USC to consider a pro career with Pittsburgh, he held eight school records.

He never tried out for the pros. McKay wanted him to join the Trojan staff and made his decision to do that in the fall of 1965. "Greatest thing that could have happened to me," he was to say later.

Fertig will be 34 in May, one of the youngest head coaches the Pac-8 has known, but he has experience. In his 10 years at USC, he worked with some of the greatest teams and players.

His staff is said to be the youngest in Pac-8 history. There is key experience on the staff also, however. Perhaps most important for the attempted turn around of Beaver football fortunes there is the enthusiasm and drive of a youthful new program that can do the necessary job of recruiting and coaching.

Fertig, who has impressed alumni and other fans with his open friendliness and sense of humor, has said he wants a program that will include all of the OSU family and the state.

As for the football offense systems, Fertig indicated he would follow the very successful USC I-formation attack in general.

"We'll have to find someone who can run fast and put initials in front of his name like O.J. or A.D.," the new coach quipped. The reference was to the great USC tailbacks, O.J. Simpson and Anthony "A.D." Davis.

"Give me players, not plays," he stated.

(Continued on page 19)

Rank 6th nationally...

Wrestlers winning

Oregon State's powerful wrestling team just keeps right on winning.

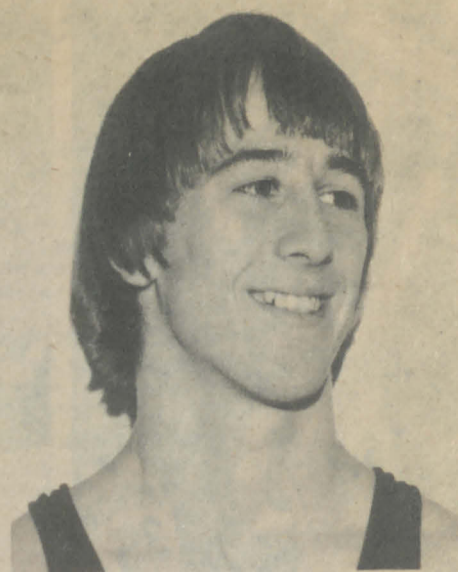
In launching Pacific-8 conference action, the Beavers bombed both Stanford and California by impressive scores. OSU whipped the Cardinals, 41-7, and trounced the Bears to the tune of 29-9.

En route to a 6th place national ranking, Coach Dale Thomas' club had an extremely-successful trip into the Rocky Mountain area. The swing actually started in Baker against Eastern Oregon College, but the Beavers then went on to defeat Utah (33-9), Brigham Young (23-13), Northern Colorado (30-9), Wyoming (32-9) and Boise State (22-14). Score of the Eastern Oregon dual meet was 50-0. Before beginning conference action, Oregon State also downed San Francisco State, 34-3.

As this was written, Thomas' proteges boasted a 16-3-0 record in dual competition. Only schools to beat the Beavers were Oklahoma State (28-5), Arizona State (18-16) and Iowa State (31-9). Oklahoma State and Iowa State are always among the nation's leaders.

Bielenberg leader in points

NCAA heavyweight champion Larry Bielenberg, the junior from Silverton, has a near-perfect record, at 18-1-0. His lone defeat came from Oklahoma State's Jim Jackson, who shattered a 34-match winning streak by Bielenberg. Bielenberg also tops the squad in points. He has 97 points, as compared to the runner-up, Joe Kittel, with 71. The latter's season record is 16-2-0, and he's a 134-pounder.



Pat Plourd, sophomore, 118-pounder from Eugene (above) is one of the leading Beaver mat point earners this year. At right, heavyweight Larry Bielenberg, Silverton junior, works out with a teammate as he moves toward the defense of his NCAA championship.

Some of the other season marks include Pat Plourd, 118 pounds (15-4-0); Doug Ziebart, 150 (11-4-3); Dick Knorr, 142 (12-6-0); Mike Dillenberg, 177 (6-4-0); Dan Zastopil, 167 (11-8-0); and Bruce Nishikawa, 126 (9-8-1).

Other PAC-8 schools the Beavers will face include Washington, Washington State and Oregon, prior to the Pacific-8 championships at Gill Coliseum for the championship. Dates for the championship are February 20 and 21.

After losing out to Oregon in the PAC-8 meet last year, the Beavers are anxious to move ahead of the Ducks in the '76 tourney. Oregon won last year, scoring 146 points, and the Beavers were second, at 104½.

For the first time ever, Oregon State wrestling fans will be able to join the Beavers at the NCAA championships in Arizona via a charter plane. For the cost of \$263 per person, OSU fans, parents, alumni and guests can enjoy a charter flight from Portland to Tucson, four nights and five days at the Tucson Hilton Inn and season passes at the tournament. This represents a savings of approximately \$75 per person from travelling commercial. A special OSU section of seats is being reserved for the tournament. The plane departs Portland on March 11 and returns March 15. For additional information write: Bob Allen, OSU Alumni Office, Memorial Union 104, Corvallis, OR 97331. Deadline for sign-up is February 10. Join in with a \$50 per person deposit now and see the Beavers challenge the best.

Join The OSU Charter To NCAA In Tucson

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Beaver football assistants...

RAY BRAUN -- Defensive Coordinator and Line Coach

Braun, 36, was defensive coordinator at Washington State in the Cougars' big 1972 and 1973 seasons. The next two years he was defensive line coach with the Portland Storm and then the Portland Thunder. Played at North Dakota State and later was defensive coordinator there as this college division power posted a 37-3-1 record and played in three bowls in four seasons.

TONY KOPAY -- Offensive Coordinator and Line Coach

The 35-year-old former Washington star coached eight years as an assistant to Tommy Prothro and Pepper Rodgers at UCLA and then joined Jim Owens at Washington for the 1973-74 season as offensive line coach. Last season he coached the offensive line for Missouri's strong Big Eight team. Kopay was a finalist for the head jobs at OSU and Fresno State.

LARRY BRYAN -- Offensive Backfield Coach

A former California prep star, 34-year-old Bryan was a leading running back at Utah State. He coached at Bishop Amat High and Salesian High in Los Angeles before joining the staff at USC. He also coached with the Honolulu Hawaiians of the WFL in 1974.

NATE SHAW -- Defensive Backfield Coach

An All-Pac-8 cornerback in 1965 and 1966, Shaw was a consensus All-American his senior year. He played pro ball for the Rams in 1969-71. Shaw, 30, coached last year at Los Angeles Southwest JC.

ED SOWASH -- Offensive Line Coach

Sowash, 38, is another who comes off of the USC staff where he also worked with the offensive line. And he is another who has coached in the strong California junior college program -- Barstow JC in 1970 and L.A. Valley JC, 1971-73 before moving to USC in 1974. A standout player at University of the Pacific in Stockton, he also coached at Sacramento State and New Mexico State.

MIKE KUKLENSKI -- Linebacker Coach

Mike is the carryover from the Dee Andros staff, having coached Beaver defensive backs for the past two years. He played his football at Washington and was defensive coordinator for five years at Long Beach State after a successful high school coaching career in California.

ROB ADOLPH -- Quarterback Coach

Adolph, 24, had a chance to do much more learning than playing at USC. He backed up star quarterbacks Mike Rae and Pat Haden on three Trojan Rose Bowl squads. Last year, he served as a graduate assistant under John McKay and Fertig. Was the second baseman on four NCAA champion baseball teams.

JOHN MCKAY -- Receiver Coach

The rookie of the staff at 22, "J.K." is well-known for much more than having a famous father. He ranks third on USC's all-time receiver list and starred for three Rose Bowl squads. "John knows more about catching the football than anybody I've ever talked to," Fertig said of young McKay.



The Beavers dropped the opener in the Far West Classic to Northwestern but then turned it all around to start a seven-game winning streak. After getting by Florida State, they met rival Oregon for consolation honors. Reserves, such as senior forward Tim Hennessey, at left, played a big role in the impressive 79-67 win.

Rocky Smith (30), 6-2 transfer guard, dropped in 29 points in win over USC and was more than a match for USC's 6-6 guard Earl Evans shown here.

Beaver speed played a big part in the great win over UCLA. Junior guard George Tucker wheels past the Bruins' giant Brent Vroman. The Beavers were strengthened with the return of Rickey Lee (32), 6-6 Portland sophomore, for conference action. (Photos by Larry Hoffman and Kevin Moore.)

Big week at Coliseum....

Beavers topple Trojans, Bruins

By CHUCK BOICE

It was one of the biggest basketball weeks in Oregon State history.

OSU 80, USC 70.

OSU 75, UCLA 58.

On Thursday night, the Trojans brought an 11-1 record, the Rainbow Classic championship and a No. 18 national ranking in Gill Coliseum. While a near-capacity crowd of 9,720 stomped in appreciation, the Beavers took over in the second half and won convincingly.

On Saturday afternoon, the audience was several million on NBC regional television plus 9,571 in the Coliseum who wanted their action live. The national champion Bruins, ranked No. 3, had won 11 straight since their opening loss to Indiana and included some of the most impressive talent in the nation. In this one the Beavers dominated both offensively and defensively.

Miller wins 400, 401

The games marked the 400th and 401st victories for Coach Ralph Miller in his 24-plus years of coaching major college basketball at Wichita State, Iowa and OSU. At this point his record stood at 401-248, including an overall Beaver season mark of 9-4.

It couldn't have been a more appropriate time for Miller's record recognition. If the game plan, preparation and team execution was excellent for the Trojans, for the champion Bruins it was spectacular.

Miller's offense had the Beavers playing a patient game, looking for the open man and the good shot. But when there was a chance to go for the fast break or the long pass, they struck.



When defending champion UCLA is beaten, it means a net comes down and No. 1 signs go up. (Photo by Larry Hoffman)



Coach Ralph Miller receives a basketball and congratulations from Athletic Director Dee Andros after his 400th collegiate victory, the 80-70 win over USC.

"We wanted to use the speed attack and we wanted a certain amount of patience at half court," Miller explained.

New Bruin Coach Gene Bartow praised the Beavers for "playing a great basketball game. In my opinion, a near-perfect game."

The Bruins have been noted for their pressing tactics for years, but Bartow said his Bruins matched up poorly with the quick Beavers on this day when the Bruins tried a zone press in the late going.

In the last five minutes, the Beavers broke over, through and past the pressing Bruins for six layins plus a non-counting "slam dunk" by

Lonnie Shelton with 12 seconds to go that provided a large exclamation point on decisive victory.

"They hurt us with the quick baskets," Bartow lamented afterward. "They must have shot 80 per cent off fast-moving action."

Miller said later it was possibly the best defensive job a team of his ever played in all those 401 victories.

"I got everything I asked for and more. We cut off the passing lanes, took away the middle and forced the outside shot. We did a good job of getting in front of people."

Overcome UCLA height, bench

Rebounding has been a problem for the smaller Beavers this year. But in this big one they outrebounded tall UCLA 37-29. Shelton led the Beaver scoring with 20 points. George Tucker added 11 and Paul Miller, Rocky Smith and Rickey Lee 10 each.

Overcoming UCLA's awesome height advantage and a seeming advantage in bench strength was a key.

With only 6:10 played, the Beavers had built a 16-9 lead but Shelton picked up his third foul and left for the bench, there to remain the balance of the half. The 7-foot UCLA center, Ralph Drollinger, departed with his third a few seconds later, but the Beavers forward Don Smith left with his third with 12:16 to go in the half.

Marcus Johnson followed a couple of minutes later for the Bruins but this was not the kind of trading situation the Beavers wanted. The Bruins' bench was studded with former prep All-Americans that had been sought by hundreds of schools. And size was very evident with the entry into the game of 6-11 Brett Vroman and 6-10 David Greenwood to

go up front with 6-10½ Richard Washington, the pre-season All-American from Portland.

Against this, the Beavers had reserves Roosevelt Daniel and Rickey Lee, both at 6-6, and starter Paul Miller, the slender 6-8. But in that period of almost 14 minutes, the Beavers outscored the national champions 17-11 to hold a surprising 33-20 lead at halftime.

"Oregon State's offense efficiency was remarkable," Journal Sports Editor George Pasero wrote. "Beaver passing set up layup after layup as the Bruins tried to press and catch up in the second half."

"But the game may have been decided by tempo control through the last 14 minutes of the first half with Shelton on the bench and Rickey Lee playing the final 11 minutes against his old high school teammate, Richard Washington..."

In the USC game, the lead changed hands 19 times in the first half before the Trojans emerged at intermission with a 38-37 lead. But Tucker hit two quick baskets to start a Beaver second half.

First time since 1966 team did it

Rocky Smith, the Butte JC (Oroville) transfer, had a big Pac-8 debut with 29 points and Shelton played 40 minutes to add 18.

When the week was over, the Beavers were off to a fast start in the very tough Pac-8 race, had earned a No. 17 ranking in the Associated Press poll, had boosted their record to 9-4 and Shelton had earned Pac-8 Player of Week honors.

And they had beaten USC and UCLA in back-to-back games for the first time since the championship year of 1966. Appropriately, the '66 team was there for the demolishing of the Bruins.

Add Cougars, Huskies on the road

What was one of the best OSU basketball weeks (above) became one of the best basketball fortnights. After beating the Los Angeles teams, the Beavers went on the road to top Washington State, 82-73, and previously unbeaten Washington, 72-70.

The Beavers dropped behind the Cougars 8-0 in the opening minutes. Then Coach Miller's crew took over with superb passing to dominate the scoring 65-36 in a span of 27½ minutes.

The Beavers led 75-56 with four minutes to go when the Beaver reserves took over. George Tucker had 19 points and 8 assists; Lonnie Shelton 18 points and 8 assists. Paul Miller and Don Smith scored 15 each and Rocky Smith 11 in the divided Beaver scoring.

Shelton jumper wins it

The big win over the Huskies came on a soft high jump shot by Shelton with eight seconds to play. The teams had never been more than four points apart in a thrilling game viewed by a large regional television audience.

Seven-foot James Edwards had 37 for the Huskies but Shelton had 23 and the big one at the end.

The Huskies, who had won 14 straight, ranked third in the nation -- as had UCLA the previous Saturday.

Coach Miller emphasized that the Beavers were not a group of highly recruited ex-prep All-Americans who could overpower good opposition on form alone. It required precision, timing, intense concentration, very good shooting,

mistake-free defense and confidence without cockiness, among other factors.

As this Stater went to press, the Beavers were caught up by the UO Ducks at McArthur Court, 83-68, so the big basketball surge could not be extended to three weeks.

The Duck win avenged the Far West Classic defeat and gained a crucial second conference win for the Ducks against three losses, evening their season to 9-9. The Beavers retained first place in the Pac-8 at 4-1 and, with a 78-81 victory over University of Portland earlier in the week, went to 12-5 for the season.

Next conference play the first two weeks in February has Cal and Stanford in Corvallis Feb. 5-7, and then at Berkeley and Palo Alto the following week.



Ten years later the 1966 Beaver basketball champions meet at Gill Coliseum. From left, Gary Wilken, Harry Gunner, Ed Fredenburg, Loy Peterson, Charlie White, Scott Eaton, Rick Whelan, Bob Franz, Ray Carlile and Karl Weide. Not pictured, Dave Fox and team manager Terry Vaughn.



This was the one team to break the UCLA string of championships dating back to 1963. A key win that year was a 64-51 victory over UCLA at Gill Coliseum. They watched from the stands as the current Beavers downed UCLA, 75-58. (Photos by Larry Hoffman)

Champs of '66 return

by Roy Gault, '69

There's one trophy missing from that huge pile of brass at Pauley Pavilion.

It's the one from 1966, the only year since 1963 that UCLA failed to win the PAC-8 conference basketball championship.

The 1966 trophy was hijacked to Gill Coliseum by a bunch of runts who couldn't have gotten past the first round of a city league one-on-one contest.

But as a team, they were poetry.

Coach Paul Valenti's poets are in town this weekend to celebrate the 10th anniversary of their conquests.

"Those guys did some kind of job. I still can't believe it," says Valenti, OSU's associate athletic director, who was rooked out of NCAA Coach of the Year honors after winning the west coast award.

The Beavers were mauled 79-35 by UCLA in their PAC-8 opener that year but came back to beat the Bruins and win the conference championship with a 12-2 record.

OSU defeated Houston 63-60 in the NCAA Regionals before losing to Utah, 70-64. The Beavers' overall record was 21-7.

"I've always said it was a bunch of guys who dedicated themselves to doing the job," said Valenti. "They were great, competitive people, and it paid off for them. They had great unity."

In terms of talent, there was one basketball player and one potential basketball player on the team.

Floor leader Charlie White, a 6-4 guard would have been a quality player in the PAC-8 today. Forward Loy Peterson, a 6-5 forward, was only a sophomore, but he led the team in scoring on the strength of the leadership provided by the more mature players.

"They were tough competitors..."

"The miracle of it is that they were just a bunch of guys who played basketball together," Valenti says. "They were tough competitors, but there was nobody with great natural talent, except maybe Loy."

The words "hustle" and "execution" were totally demonstrated in 1966.

Take Ed Fredenburg, for example.

Fredenburg was a 6-6 center who earned his first scholarship with his slide rule, not with his size 13 tennis shoes. There was no way little Ed could go elbow-to-elbow with guys like John Block (6-10) of Southern Cal, Elvin Hayes (6-9) of Houston, Jim McKean (6-9) of Washington State, Gordy Harris (6-11) of Washington or Ray Kosanke (6-9) of Stanford, but someone forgot to tell Ed.

Valenti wouldn't give Fredenburg a scholarship out of Marshfield High, so Fredenburg played his freshman year on the first grant given by the Oregon Sportswriters and Sportscasters Association.

When he became a starter as a sophomore he earned an athletic scholarship.

Fredenburg teamed on the front line with Peterson and with 6-3 Scott Eaton, whose belly-to-belly defense bordered on indecent. Eaton was hardly a piece of pure basketball talent, but he understood defense well enough to play it for six years for the New York Giants of the National Football League.

White teamed at guard with Rick Whelan, who could put the ball in the hole when the defense got tired of waiting for someone to shoot.

"Oregon State has so darn much patience it's frustrating," Stanford Coach Howie Dallmar said after being beaten twice by the Beavers.

"The fact that people called us a stalling-type ball club was really not justified," Valenti said. "Somebody clocked us once and said we got off a shot on an average of 16 or 17 seconds, which isn't too long, but if it took longer to get a good shot, or if the conditions of the game or the situation was right, we would take a lot longer."

The Beavers didn't shoot until they were within spitting range.

Roy Gault, '69, is sports editor of the Corvallis Gazette-Times. This story on the '66 champions was one of his G-T columns.

"We just approached things with a lot of common sense and logic and then we had to work at it," Valenti said. "I've heard more compliments from people in the coaching profession for the way we played the game and the way we stayed with our game than I've heard about any other group."

Pete Newell, the former California coach who was athletic director at California in 1966, said it like this:

"If any basketball team ever played to its potential it was this group of guys. It was almost perfect the way they did it."

"We had to give 100 per cent and execute everything perfectly to the man in every game we played, and that's what happened," Valenti said.

Fredenburg's incredible coachability and his ability to neutralize bigger post men was the key to the team's defense, which was No. 1 in the nation.

"We set up a way we thought a particular person should be played, and Fredenburg would carry it out to the tee," Valenti remembers. "The coach at California, Rene Herrerias, said that if he had his pick of anybody off that team, it would be Fredenburg."

White gave great leadership

White was the traffic controller who kept everyone running in the right direction. He was 26 years old after a stint in the Army.

"I think the fact that Charlie, who was our captain, was a stabilizing influence was the reason they played so well together," says Valenti. "He was a little older, and the players had great respect for him and for the way he dedicated himself to the program. He gave us stability and he set an example for the others."

The Beavers got bench help primarily from Karl Weide, a 6-6 forward-center who led the team in shooting (.547), from 6-5 forward Harry Gunner, and from guards Bob Franz and Ray Carlile.

Weide and Gunner were the most-used reserves, but the Beavers were basically an iron-man five.

"Those guys had an ability to extend themselves to the man," Valenti said.

"They responded well to Paul as a coach," says Jimmy Anderson an OSU assistant basketball coach who was also an assistant under Valenti in 1966. "They had respect for Paul and for each other, and the outstanding leadership from Charlie solidified the whole thing together."

Anderson feels the 1966 Beavers, even though they were short on talent, could compete successfully in the PAC-8 today despite the abundance of bigger, quicker athletes in bigger numbers. And he feels White would start for most 1976 PAC-8 teams.

"Charlie was such a fine rebounder and defensive player, and that's the thing we're looking for today," Anderson said.

Valenti doesn't study and analyze basketball the way he used to, and doesn't really know whether the 1966 Beavers could take on the 1976 Bruins and hold their own.

"But it would be fun to try," he chuckled, with that competitive sparkle still in his eye.

Where they are 10 years later

Every member of the 1966 team except Larry French, a 6-6 reserve, has said he will be at the reunion, Valenti said.

Team members and their occupations include:

White, who is in management for Crown Zellerbach at Antioch, Calif.; Eaton, a stock broker for E.F. Hutton in New York City; Fredenburg, an engineer for Bechtel Construction Co., San Francisco; Peterson, a peppermint grower at Madras; and Whelan, an assistant basketball coach at Gladstone High.

Gunner, an assistant football coach at Southern A & M (La.) University; Gary Wilken, an owner of a vending machine business at Fairbanks, Alaska; Weide, OSU's junior varsity basketball coach; Carlile, a teacher and coach in Sacramento; Franz, a Eugene attorney; Dave Fox of Portland; and French, an instructor at the University of Wisconsin.

Terry Vaughn, the team's manager, will also be at the reunion. He owns the general store at Halfway.



Paul Valenti, now OSU associate athletic director, smiles approvingly at the 1966 basketball team he coached to the PAC-8 basketball championship.

Fertig...

(Continued from page 17)

"We want to recruit local kids and play local kids, and supplement them with kids from outside the state," he told writers at his opening press conference.

The aim then becomes one of building from the bottom with the best freshmen available and adding junior college transfers as needed. USC has used this approach with great success. They have aimed at a good freshman crop but never bound themselves with rules or philosophies against the junior college transfer when some were needed and available. Simpson, from San Francisco, was among their better-known junior college transfers.

The Beavers, coming off their 1-10 season, obviously need some quick help and Fertig has looked to what he termed "a very good junior college year" for some of this help. Most of these athletes can enroll for spring quarter.

Indications are that several very highly-regarded junior college players already have decided to go with the Beavers. Coach Ralph Miller and the basketball Beavers cooperated. Many of the players visited the campus on the weekend of the basketball victories over USC and UCLA.

Most of the staff have not had a chance to see much of Corvallis. But by late February they hope to be able to settle down and prepare for spring practice knowing that some high school stars with collegiate promise have signed letters-of-intent with OSU.

It's probably going to take several years to build a squad that can post a winning record in the Pac-8, but Fertig and his young, hard-working staff obviously think the job can be done. And they think that some of the excitement and enthusiasm of the new program will start to show soon.

It already has.

OREGON STATE UNIVERSITY
ALUMNI BOOK CLUB

Another Geologic Discovery
**MOUNT
MULTNOMAH**
**Ancient Ancestor of
the Three Sisters**

by Edwin T. Hodge

Mountains and geologists have one thing in common. They have both been known to explode from time to time.

Mount Multnomah, according to Hodge's theory, towered a mile higher than the present snow-clad tops of the Three Sisters mountains in the central Cascades. "The top of this enormous mountain," he declared, "was lost by a gigantic explosion which left one of the largest calderas in the world."

Other geologists also exploded, almost as violently, in reaction to this theory. They deny Hodge's contention that "the Three Sisters rest upon the worn remnants of Oregon's greatest pre-historic mountain."

Regardless of which side of this controversy you want to take—if you love the Cascades, you will find delight in this book. Professor Hodge, an eager field geologist, describes in clearly written detail not only the geology of the area in different periods but also the glaciers, streams, trails, flora, and fauna.

Dr. Hodge's students at the University of Oregon and Oregon State College in the late 1920's and early 1930's still remember his dramatic lectures. In an hour he could fill the blackboards of a lecture room with vivid scenes of the turbulent undulations of the earth's crust.

MOUNT MULTNOMAH, published in 1925, includes more than a dozen of these lucid sketches and scores of photographs—95 figures in all, including a 16 x 21 inch topographic map of the Three Sisters area. It also has a table of the principal divisions of geologic time, a glossary of terms, origins of names, a bibliography of the geology of the central Cascades, and an index.

A quantity of this 168-page paperback book, stored away for half a century, have recently come to light and are now being offered for sale by the Oregon State University Press. \$2.50 □

Also available for those who missed purchasing it earlier:

**THOMAS CONDON: Pioneer Geologist
of Oregon, by Ellen Condon McCornack**

This 1928 volume details to life and work of another famous Oregon scientist and educator, Thomas Condon. An eminent early geologist and popular professor, Condon helped popularize Oregon geology by lecturing throughout the state. This clothbound 372 page book, illustrated and indexed, makes interesting reading for those interested in Oregon geology. \$5.00. □



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Calendar of Events

FEBRUARY

- 1 Theatre: "Forty Nine," Horner Museum, 2:30 p.m.
- 2 Speaker: Rev. Ralph Moellering, "Bicentennial Religion," MU 109, noon
- 2 Speaker: Rabbi Emanuel Rose, "Looking Ahead -- Major Issues Confronting American Jews," MU 206, 7:30 p.m.
- 2 Women's basketball: WSU, GC, 7 p.m.
- 4-6 NW Roads and Streets Conf., With Aud. (200) +
- 5 Men's Basketball: California, GC, 8 p.m.*
- 5 Concert: The Elizabethen Trio, Chamber Theater, MUL, 12:30 p.m.
- 6-7 OSU Theatre: "Death of a Salesman," MitP, 8:15 p.m.*
- 6 Student recitals, Peggy Matthes, flute, and Steve Matthes, clarinet, HEA, 8 p.m.
- 7 Rugby: WWSC and U of W., 11 a.m.
- 7 Men's Basketball: Stanford, GC, 8 p.m.
- 8 "Theatre of the Open Eye," HEA, 2 and 8 p.m.
- 9-27 Fairbanks Art Gallery, artists who once studied at OSU
- 9 Concert: Baroque Oboe, MU 105, 8 p.m.
- 10-11 Oregon Dairy Industries Annual Conf., With Aud. (225) +
- 10 Celestial Navigation Workshop, Wilk 210 (Part I), 7 p.m.
- 10 Speaker: John Shy, "The Impact of the Revolutionary War on American Society," HEA, 8 p.m.
- 11-12 Symposium: American Agriculture: Two Hundred Years of People on the Land.
Wed.: "An Abundance of Land," With Aud. 8 p.m.
Thurs.: "The Evolution of Agricultural Technology," With Aud., 1:30 p.m.
"U.S. Agricultural Trade: Yesterday and Today," HEA, 8 p.m.
- 12 Concert: Americana Bicentennial, Douglas Butler, piano and harpsichord, MUL, 12:30 p.m.
- 12 Wrestling: WSU GC, 7:30 p.m.*
- 13 Pacific Coast Peace Studies Conf., With Aud. (150) +
- 13-14 Women's Basketball Tournament, GC
- 14 Theatre, "Fashions," Horner Museum, 2:30 p.m.*
- 14 Wrestling: California Polytechnical, GC, 7:30 p.m.*
- 14 Vessel Electrical Systems Workshop, Wilk Aud., (100) +
- 15 Opening of Willamette Valley 1850-1900 architecture, logging, costume and geneology, Horner Museum; and films "Heart of the Valley," and "They Hailed a Steamboat Anyplace", 2-5 p.m.
- 15 Concert: Leo Kotke, guitar, GC, 8 p.m.
- 16 Concert: SONOS II, Bent 202, 8 p.m.
- 17 Friends of Chamber: Juilliard Quartet, HEA, 8 p.m. **
- 17 Celestial Navigation, Wilk 210 (100) + (Part II)
- 19 Fishermen's Tax Guide, Wilk 207 (100) +
- 19 Concert: OSU Woodwind Quintet, MU Lounge, 12:30 p.m.
- 19 Speaker: Dr. Myron Sutton on wilderness areas in North America, HEA, 8 p.m.
- 20-21 Pacific-8 Wrestling, GC
- 21 High School Choral Festival concert, MUBR, 7:30 p.m.
- 22 Premier of film of Oregon's Indian Festivals, Horner Museum, 3 p.m.
- 23-25 Vegetation Management Short Course, with (150) +
- 23 High School Principals and Counselors Day, MU
- 24 Celestial Navigation Wilk 210 (Part III) (100) +
- 24 Film: "Broken Treaty at Battle Mountain," HEA, 7:30 p.m.
- 24 Corvallis-OSU Music Assn.: Caroline Stanford, GC, 8 p.m.**

- 25 MU Art Exhibit, Indian Art Invitational, to March 18
- 25 Concert: OSU-Corvallis Symphony Orch., MUL, 8 p.m.
- 26 Concert: G.S. Sachdev, bamboo flute; Table, Tanpura and Swar-peti, MUL, 12:30 p.m.
- 26 Concert: Louise Ballard, native Indian musician, HEA, 8 p.m.
- 26 Men's Basketball: Washington State Univ., GC, 8 p.m.*
- 27 Theatre: "Tom Paine", MitP, 8:15 p.m.*
- 27-28 Dad's Weekend
- 27 Women's basketball: Univ. of Alaska, WB, 8 p.m.
- 27 Wrestling: Oregon, GC, 7:30 p.m.*
- 28 Dairy Day, With Aud., (150) +
- 28 Fernhopper Day (150)
- 28 Women's Gymnastics, WB, 1 p.m.
- 28 Men's Basketball: Washington, GC, 3 p.m.*
- 29 Reception for artists of Indian Art Exhibit, MUL, 7 p.m.

MARCH

- 1 Fairbanks Gallery, John Rock, to March 19
- 1 Bach Festival, OSU Baroque Ensemble, MUL, 12:30 p.m.
- 1 Bach Festival, Opera Concertante of San Francisco, MUL, 8 p.m.
- 1 Speaker: Rabbi Yonah Geller, "The Meaning of Purim in the World Today -- An Analysis of Manifestations of Anti-Semitism," MU 206, 7:30 p.m.
- 2-4 Annual Extension Conference, HEA, (600) +
- 2 Bach Festival, OSU Chamber Singers, MUL, 12:30 p.m.
- 2 Bach Festival, Student Program, MUL, 8 p.m.
- 3 Bach Festival, Solo Works of J. s. Bach, MUL, 12:30 p.m.
- 3 Bach Festival, Tharald Borgir, lecture, MU 105, 8 p.m.
- 4 Bach Festival, Carleton Spotts, cello, MUL, 12:30 p.m.
- 4 Bach Festival, OSU Chamber Soloists, MUL, 8 p.m.
- 4 Men's Basketball: Oregon, GC, 8 p.m.*
- 5-6 Theatre: "Tom Paine," MitP, 8:15 p.m.*
- 5-6 High School Wrestling Tournament, GC
- 5 Bach Festival, Mt. Hood Community College String Orch., MUL, 12:30 p.m.
- 5 Bach Festival, Kyrie and Gloria from Bach B minor Mass, MUL, 8 p.m.
- 7 Film "Shadow Catcher," Horner Museum, 2 and 3:30 p.m.
- 8 Concert: OSU University Choir and Lane Community College Choir, Crescent Valley High School, 8 p.m.
- 9 Pre-Registration, GC
- 9 Concert: Concert Band, MUL, 12:30 p.m.
- 9 Civic-University Chorus and Chamber Singers, MUL, 8 p.m.
- 11 Concert: OCE Jazz Ensemble, MUL, 12:30 p.m.
- 11 Symphonic Band and Jazz Ensemble, MUL, 4 p.m.
- 12 Senior Recital, Eric Hayward, violin, HEA, 8 p.m.
- 14 Baseball: Pacific, 1 p.m.
*(Double header)
- 15-19 Finals Week
- 18-19 Traffic Control Short School, With Aud. (150) +
- 29 Registration, GC

-Wilk -- Wilkinson, Wieg -- Wiegand
+ Admission charged
++ Admission by season membership only. Student ID cards admit OSU students to Corvallis-OSU Music Assn., Friends of Chamber Music and to athletic events.
+ Estimated attendance.

FRL--Forest Research Laboratory, GC--Gill Coliseum, HEA--Home Economics Auditorium, MitP--Mitchell Playhouse, MU--Memorial Union, MUBR--Memorial Union Ballroom, MUL--Memorial Union Lounge, PA--Peavy Auditorium, WB--Women's Building, With--Withycombe.

Panhellenic conference scheduled

Oregon State University Panhellenic, the coordinating body for sororities, will host the National Panhellenic Conference northwest area workshop Feb. 21. The meeting is scheduled from 8 a.m. to 5 p.m. in the Memorial Union.

More than a hundred undergraduate collegiate representatives, Panhellenic advisers, alumnae representatives and

officers from Oregon, Washington, British Columbia and Idaho are expected to attend, according to Kay Conrad, assistant dean of students and adviser to the OSU Panhellenic.

The midday luncheon, sponsored by Corvallis City Panhellenic Association, will feature a program titled "Panhellenic Panorama."