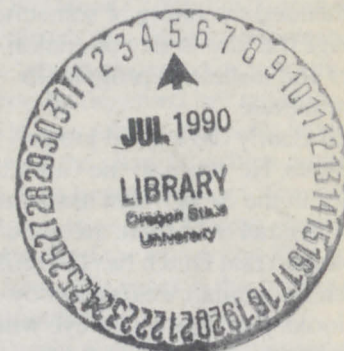


# THE OREGON Stater



DISPOSABLE DIAPERS. LAWN AND GARDEN PESTICIDES. LEAD  
SHOT. LACK OF CONSUMER **RECYCLING**. WOOD  
STOVE POLLUTION. OVERUSE OF **WILDERNESS AREAS**. LACK OF  
CONSUMER CONSERVATION. SIDETRACKED **DEBATES**. POLITICAL IN-  
ACTION. **CITIZEN APATHY**. **SPECIES EXTINCTION**. THE "ME FIRST" ATTITUDE. U.S. WASTE:  
FIVE PERCENT OF THE WORLD'S POPULATION CONSUMES TWENTY-SIX PERCENT OF THE  
WORLD'S OIL PRODUCTION AND PRODUCES TWENTY-TWO PERCENT OF THE WORLD'S  
CARBON DIOXIDE EMISSIONS. THIRD-WORLD AND DEVELOPING COUNTRIES' DESIRE TO EMULATE  
WESTERN LIFESTYLES, INCLUDING FUEL CONSUMPTION LEVELS AND CONSUMER GOODS. CONSUMER  
PACKAGING. CONSUMER AND HOUSEHOLD WASTE. THE HOUSEHOLD APPLIANCE GLUT. CONSUMER  
INSISTENCE ON PERFECT PRODUCE. FARM WORKER HAZARDS, POISONINGS AND DEATHS. NITRATES. THE  
ENVIRONMENT VERSUS JOBS **MINDSET**. **BLACK LUNG DISEASE**. THERMAL EXPANSION OF THE OCEANS. UV-B  
THREAT TO PHYTOPLANKTON. DESTRUCTION OF THE MARINE FOOD CHAIN. SCIENTIFIC ILLITERACY. MATHEMATIC  
ILLITERACY. WELFARE DEPENDENCY. **LEAD IN DRINKING WATER**. HEAVY METAL CONTAMINATION OF FOOD AND  
WATER. BHOPAL. LOVE CANAL. PRINCE WILLIAM SOUND. CHERNOBYL. OHIO'S BURNING CUYAHOGA RIVER. THE  
WILLAMETTE. LAKE ERIE. LAKE SAINT **CLAIR**. THE SAN JOAQUIN VALLEY. TIMES BEACH. HAITI. GREED. SUPERFUND. DI-  
OXIN. PCB'S. TRICHLORETHYLENE. RAIN **FOREST DESTRUCTION**. SYNERGY OF TOXIC COMPOUNDS. CONSTRUCTION  
PRODUCT FUMES. TOXIC WASTE. PESTICIDES. DDT. CHLOROFLUOROCARBONS. OVERFLOWING LANDFILLS. THE PLAGUE  
OF PLASTICS. OIL SPILLS. OVERPOPULATION. **SEWAGE**. RESOURCE DEPLETION. CARBON EMISSIONS. SULFUR DIOXIDE.  
ACID RAIN. RADIOACTIVE WASTE. 2,4,5-T. 2,4-D. TCDD. OCDD. CARCINOGENS. GREENHOUSE EFFECT. GLOBAL  
WARMING. OZONE HOLE. DRIFT NETS. URBAN BLIGHT. **DRUG ADDICTION**. POVERTY. SMOG. AGRICULTURAL RUNOFF.  
IGNORANCE. SLOW DEVELOPMENT OF TESTS AND EQUIPMENT TO MONITOR, TRACK AND IDENTIFY POLLUTANTS. INAD-  
EQUATE REGULATION OF PESTICIDES AND TOXICS. INADEQUATE TESTING OF PESTICIDES AND TOXICS. NEW YORK'S  
HOMELESS GARBAGE BARGE. THE DIESEL SPILL IN THE MONOGAHELA AND OHIO RIVERS. 1987'S TWENTY-TWO BILLION POUNDS  
OF TOXIC CHEMICALS SPILLED, EMITTED OR DUMPED IN THE UNITED STATES. FORMALDEHYDE. ASBESTOS. DROUGHT. TOPSOIL  
EROSION. OVERGRAZING. SELENIUM AND ARSENIC LEACHING. WARNINGS NOT TO EAT FISH FROM CONTAMINATED LAKE  
MICHIGAN. MERCURY. FISH TUMORS. MARINE ANIMAL AND BIRD DEATHS DUE TO PLASTICS. HEAVY-METAL INDUCED DE-  
FORMED BIRD EMBRYOS. MALFORMED BEAKS. NERVE DAMAGE IN FROGS. POLYAROMATIC HYDROCARBONS. LEACHING FROM  
TOXIC WASTE DUMPS. DIAZINON. CARBAMATES. THIRD-WORLD USE AND SALE OF PESTICIDES BANNED IN THE UNITED STATES.  
INDUSTRIAL WASTE. LACK OF GOVERNMENTAL RECYCLING OR CONSERVATION. LACK OF BUSINESS RECYCLING OR CON-  
SERVATION. WETLANDS DESTRUCTION. EVERGLADES POLLUTION. SYRINGES WASHING UP ON BEACHES. MYSTERIOUS AM-  
PHIBIAN EXTINCTIONS. GROUNDWATER CONTAMINATION. AGENT ORANGE. BIRTH DEFECTS. HERBICIDES. SUPERBUGS.  
ATTACKS ON THE ENDANGERED SPECIES ACT. FAILED REFORESTATION. THREE MILE ISLAND. PLANT RESISTANCE TO  
HERBICIDES. INSECT RESISTANCE TO PESTICIDES. JAMES WATT. POLITICAL LIP SERVICE. PHOSPHORUS. GROUNDWATER  
DEPLETION. OGALLALA AQUIFER. POLAR ICE CAP MELTING. ACID FOG. NUCLEAR PROLIFERATION. NUCLEAR  
WINTER. SNAIL DARTER. SPOTTED FROG. DODO BIRD. FAMINE. LOW BIRTH-WEIGHT BABIES. ILLITERACY. STRIP  
MINING. PENTACHLOROPHENOL. PHOTOCHEMICAL TRANSFORMATION. UV-B EXPOSURE. SKIN CANCER.  
IMMUNOSUPPRESSION. FOOD ADDITIVES. CREOSOTE. ANTIBIOTIC RESISTANCE. EPA. OREGON DEPART-  
MENT OF ENVIRONMENTAL QUALITY. FETAL ALCOHOL SYNDROME. CRACK COCAINE. RISING SEA  
LEVELS. BEACH EROSION. EL NINO. FREAK WEATHER EVENTS. FLOODS. AUTOMOBILE CONGESTION.  
MESOTHELIOMA. INADEQUATE MASS TRANSPORTATION. CROP FAILURES. DECLINING SALMON  
RUNS. APPALACHIA. HIGH-SULFUR COAL. TOBACCO SUBSIDIES. DESERTIFICATION. ANTI-  
QUATED WATER MANAGEMENT. CYANIDE LEACH MINING PROCESSES. SPOTTED OWL.  
INADEQUATE EARTHQUAKE READINESS. INADEQUATE INSULATION. ENERGY-INEF-  
FICIENT BUILDING CODES. ENERGY WASTE. ORBITING OUTER SPACE TRASH.  
NERVE GAS. DECLINING FISHERIES. MONTANA'S CLARK'S FORK RIVER.  
THE TRASHING OF YELLOWSTONE, YOSEMITE AND THE GRAND  
CANYON. NATIONALISM. SELF-CENTERED AND SHORT-  
SIGHTED ACQUISTIVENESS. EXXON/VALDEZ OIL  
SPILL. GRID LOCK. PCPS. APATHY.

## THE ENVIRONMENT

AND WHY WE'RE NOT DOING ANYTHING TO CLEAN IT UP

## The hiring of Dutch Baughman...

In case you haven't heard the news, OSU now has a new athletic director.

Beginning July 1, Dutch Baughman, a likable sort of fellow born and raised in Columbus, Ohio, will be running the show over at Gill.

It was an inside appointment really, a promotion for Dutch. Since last October, he had been Lynn Snyder's No. 2 administrator, brought in as senior associate athletic director because a survey of the department recommended the hiring of someone to manage the day-to-day operation of athletics and institute a program to improve morale.

Dutch clearly did a good job on both counts. He was also the candidate of choice in the department itself and I think personnel over there are genuinely pleased that Dutch has the reins.

Dutch Baughman wears cowboy boots, looks you right in the eye when he talks to you, has an accent that sounds more Oklahoma than Ohio, is comfortable to be around, unpretentious, and cares a lot about his work. He also seems to have developed, in a relatively short period of time, a deep affection for Oregon State and OSU sports.

And his resume shows, in all probability, that he knows his stuff. He has served as director of athletics at Virginia Tech University, associate commissioner of the Southwest Conference, and director of athletics at Furman University. Baughman's degrees, both from Ohio State, are in athletics and he was a star athlete at Columbus West High School.

At Ohio State, he earned three letters in lacrosse.

With his new job, however, he may be facing the toughest challenges of his career.

As the *Stater* was going to press, Oregon's newspapers were running stories about the \$5.4 million in combined debt owed by the athletic departments of OSU, Portland State and UO.

Of this amount, OSU's indebtedness totals over \$2.7 million. Last year alone, Oregon State lost over \$755,000.

It's a lot of money and somehow Baughman will have to find a way to stop the financial hemorrhage.

On June 14, Oregon's State Board of Higher Education passed some temporary measures that give the three schools permission to use state money for tuition waivers and for coaches' salaries in those sports that are non-revenue.

This will help for now, but the debt still has to be paid and *permanent* solutions to the financial difficulties in athletics still have to be found.

One solution being tossed around would have OSU dropping out of the Pac-10. We've all heard this before but never has the discussion centered around \$2.7 million in red ink.

Baughman will next have to come up with a realistic vision of what athletics at OSU can afford to be and then take us there. The challenges he faces, and there are others besides money, will test his abilities as a marketer of college athletics.

## May they rest in peace...

In the last several weeks, Oregon State has lost three important members of the OSU "family."

On May 4, William H. Carlson, who served as both Director of Libraries for the Oregon State System of Higher Education and Librarian of OSU from 1944 until his retirement in 1965, passed away.

One of Carlson's major accomplishments at OSU was planning and moving into what is today Kerr Library. He also served as president of the Association of College and Research Libraries and president of the Pacific Northwest Library Association.

During leaves of absence, Carlson

served visiting directorships at both Vanderbilt and Dillard University in New Orleans.

On June 15, Frank D. Schaumburg, dean of the College of Civil Engineering since 1974, passed away at his home. He was 52.

His areas of specialization were hazardous waste management, environmental management, and the human dimensions of engineering.

Friends and colleagues say he loved Oregon and Oregon State and was an avid outdoorsman. He helped recruit OSU athletes and was also loyal to his two alma maters, Purdue and Arizona State.

Professionally he was an international consultant, lecturer and ambassador of education and held membership in numerous professional organizations.

Just a few days before Dean Schaumburg's passing, Eileen Jeffries died in her home of a heart attack.

Eileen worked for a time for the OSU Alumni Association but for most of her 30-year career at Oregon State, she was the "Information Lady," occupying a desk on the first floor of the Administration Building and serving as first point of contact for many new students and visitors to campus (see page 5).

Because the editorial offices of the *Stater* are housed with the department where Eileen worked all those many years, this editor got to know her pretty well her last two years at OSU.

Eileen was an exceptionally wonderful human being, who set the standard for friendliness and work ethic in this section. A native of Corvallis, Eileen loved this town and loved this University and gave her life to both.

She is already greatly missed.

## Da Vinci Days, July 20-22...

If you live here in the Willamette Valley or are planning a trip to Corvallis this summer, why not make it a point to be here July 20-22 to help OSU and the city celebrate one of Oregon's most unique festivals—Da Vinci Days, a celebration of science and technology.

Last year's inaugural celebration attracted over 35,000 participants and this year's promises to do even more, with Gentry Lee, chief engineer of the Galileo Space Mission, as headline speaker. Grammy-award winner Diane Schuur headlines the entertainment.

Of particular interest to OSU alumni is the fact that our beautiful campus is used to host much of the Festival's activities. LaSells Stewart Center houses most of the lectures and many fascinating scientific demonstrations, and the OSU Wave Tank and the Computer and Electrical Engineering Building host other events.

If you're coming, make sure to bring the kids. The Festival is especially fun for the younger ones in the family and almost everything is free.

## September's Stater...

The September, not October, issue of the *Stater* will be mailed to everyone and will include an Alumni Association annual report as an insert. The *Stater's* distribution plan for 1990-91 was changed earlier this spring and until further notice, the October issue will be sent to members only and the September issue will be mailed to Alumni Association members and non-members alike.

## George Stevens' replacement...

The *Stater* has learned that William C. Edwards has been named director of the Memorial Union to replace a retiring George Stevens, MU director for 27 years.

Edwards has been the director of Coyote Center at South Dakota since 1981.

*George P. Edmonston Jr.*

# THE OREGON Stater

Vol. 24, No. 3

June, 1990

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On the cover:  
Illustration by Amy Charron

The *Stater* will publish letters as long as there are letters to publish. All correspondence must be signed and must include a current address and telephone number. The editor reserves the right to condense a letter or return it to the author for editing. Letters should not exceed 150 words, but longer letters may be published at the editor's option. Send all correspondence to Letters to the Editor, The *Oregon Stater*, Ads 416, Corvallis, Ore. 97331.

## Stater Doing Good Job

I mentioned to my husband not long ago that I hadn't received an *Oregon Stater* in a long time. I now realize I was correct in my intuition. If I'm not a dues paying alumni member, I will receive only two issues of the *Stater* per year.

I might have missed the information this time if I had not taken the extra time to thoroughly read the paper. The new system was mentioned in the Editor's Column, and of course the bold print on the back page. It is almost like blackmail to join in order to receive the extra issues of the *Stater*. I do realize that both the *Stater* organization and alumni organization need more funding as budgets are received.

The *Oregon Stater* is superior to other alumni magazines and papers I've had an opportunity to read and review. We receive alumni magazines from the University of Washington, Nebraska, Cal-Berkeley, Nevada-Reno in our household and the *Stater* is ten times superior in every way.

Friends in Carson City whose daughter will graduate from OSU this spring have expressed several times how impressed they are with layout and especially the content of the *Stater*. They are both graduates of the University of Washington.

I have given several copies of the *Stater* to the "powers that be" at the University of Nevada-Reno. I wanted UNN to see a truly informative alumni publication.

**Sally D. Dorf '60**  
Gandnerville, Nevada

Letters continued on page 4

## Faculty News

**JoAnn Leong**, professor of microbiology, has been selected to receive the 1990 OSU Sigma Xi Research Award. A molecular virologist, Leong is recognized for her pioneering work in the molecular studies of fish viruses.

Dow Chemical U.S.A., has awarded **Douglas Way**, OSU assistant professor of chemical engineering, a two-year, \$30,000 faculty development grant to enhance his research on synthetic membranes, such as the type that can separate one gas from another.

**Julie Gess-Newsome**, a doctoral candidate in science education, is one of 30 students nationwide to receive a \$15,000 Spencer Fellowship for 1990. She is a recent winner of the Bayly Graduate Teaching Assistant Fellowship from OSU and in 1986 was named Wyoming Biology Teacher of the Year.

In early May it was announced that **Graham Spanier**, provost and vice president for academic affairs at OSU, was one of three finalists for the position of chancellor at North Carolina State University. But by the middle of the month, he had withdrawn his candidacy, saying that "following a visit to North Carolina, I decided...there is a challenging agenda to be pursued at OSU. From a personal and professional standpoint, my heart and mind are at Oregon State right now."

**Richard Waring**, professor of forest science at OSU, was chosen as the Outstanding Scientist at the 1990 meeting of the Northwest Scientific Association. Waring is an expert in forest ecology and physiology and has conducted research on such topics as response of trees to stress and forest growth and canopy leaf area.

**John L. Fryer**, chairman of the department of microbiology, has been recognized for his scientific accomplishments by the Japanese Society of Fish Pathology with the 1990 Nippon Gyobyo Gakkai Syo (Award of Excellence), which he received in Tokyo in March. It was the first time the Society's most prestigious award has gone to a foreign scientist.

**Wayne V. Burt**, professor emeritus and a former associate dean of the College of Oceanography, has been asked to help guide the National Sea Grant program. Known as a "pioneer in Oregon oceanography," Burt has been named to a three-year term on the National Sea Grant review panel, a group which reviews institutional proposals developed by Sea Grant programs at colleges and universities all over the country. The Oceanography building on the OSU campus was named after Burt in 1987.

**John Dunn**, professor and assistant dean of research and graduate studies for the College of Health and Human Performance has been named associate vice president for academic affairs. **Bruce Shepard**, special assistant to the provost and associate professor of political science, has been named assistant vice president for undergraduate studies.

**Alan C. Acocck**, sociologist at Louisiana State University, has been named to head the Department of Human Development and Family Sciences at OSU. Aycock earned his Ph.D. at Washington State and was the director of the Center for Life Cycle and Population Studies at LSU.

**William Q. Wick**, director of Oregon Sea Grant, **William McNeil**, director of the Cooperative Institute for Marine Resources Studies, and **Kenneth Hilderbrand**, a seafood specialist with Extension Sea Grant, visited the Soviet Union during early June to discuss cooperative research opportunities. The Oregon Department of Economic Development helped coordinate the trip.

**Dan Dunham**, director of OSU's Office of Continuing Higher Education, has been elected to a three-year term on the executive committee of the Division of Future Study and Educational Change of the National University Continuing Education Association.

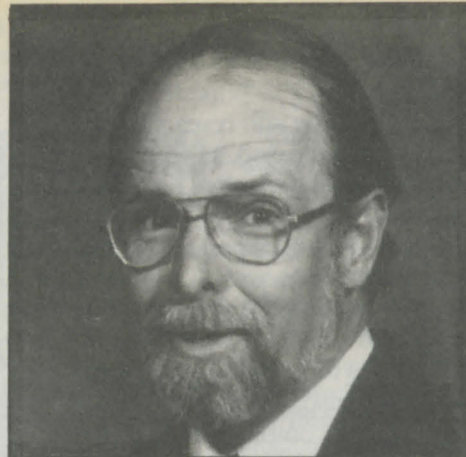
**David A. King**, assistant professor and electronic media coordinator for agricultural communications, has been appointed head of the Department of Agricultural Communications at Purdue University in West Lafayette, Ind. King was the photographer who filmed last year's highly successful documentary, "The Cowboy in Mongolia," which won several international film awards and was aired on PBS.

**George Keller**, vice president for research, graduate studies and international programs, has been appointed to the state's new Seismic Safety Policy Advisory Commission.

**Tom Hill**, OSU animal science instructor, is the proud owner of the national champion Polled Hereford bull. The animal was named grand champion at the 67th annual National Polled Hereford show in Fort Worth, June 3.

## Letters to the Editor?

Send to **Letters Page, The Oregon Stater**, Ads 416, Oregon State University, Corvallis, Ore. 97331



**George N. Somero**, an internationally recognized marine biologist and member of the National Academy of Sciences, will join the OSU faculty as the first holder of the Wayne and Gladys Valley Endowed Professorship in Marine Biology. The late Wayne Valley and wife Gladys are OSU alums and made the new chair possible with a very generous gift, distributed through the Wayne and Gladys Valley Foundation, of more than \$1.5 million. The *Stater* is planning a profile on Dr. Somero in a coming issue.



OSU President **John Byrne** has been invited to serve on a national Congressional-University Colloquium that will examine the nation's policy for funding academic research. Only seven university presidents were asked to serve.

## News Briefs

A team of researchers from the College of Business at OSU is now interviewing owners and managers of small and mid-sized businesses to determine the extent of contributions made by such firms to community service. Efforts are being focused in the cities of Portland, Eugene, Silverton and Newport. Interviewing will continue through June and approximately 200 businesses will be asked to participate.

"Tony" Van Vliet, director of OSU's Career Planning and Placement Center, says that the job market for this year's graduating seniors looks "pretty good." Engineering graduates are in demand, he says, and the demand is also high for students with a business background. Marketing and accounting prospects are extremely good. Hotel, restaurant and tourism management is holding up well. The business area overall looks strong." Van Vliet also says that companies and organizations remain active in the recruiting of liberal arts majors, with a comeback predicted for computer science graduates and for students in fields such as chemistry and statistics.

A compilation of the 1989 Starker Lectures at OSU, which includes an in-depth analysis of the Oregon timber supply situation, is available from the OSU College of Forestry. Free copies of the 35-page publication, based on the theme "Oregon's Forestry Outlook: An Uncertain Future," can be obtained by writing Forestry Publications, 154 Peavy Hall, OSU College of Forestry, Corvallis, OR 97331-5704.



**ALUMNI BOOK CLUB**  
OREGON STATE UNIVERSITY PRESS

### The Birds of Malheur National Wildlife Refuge, Oregon

Carroll D. Littlefield

Illustrated with line drawings by Susan Lindstedt

The *Malheur National Wildlife Refuge* in southeast Oregon is internationally known to ornithologists and birders. Throughout the year, but particularly during spring and autumn migrations, hundreds of thousands of birds can be seen on the refuge. This book provides the first exhaustive report on the species recorded here over the last 110 years.

The book is illustrated with fifteen line drawings of refuge birds by Susan Lindstedt, and also contains eight maps of the refuge showing every location referred to in the text.

September 1990  
5-1/2 x 8-1/2 inches. 304 pages  
Hardcover edition \$25.95  
Paperback edition \$15.95

Cut out this ad and use it as your order blank. Payment must be included with order. Please add \$2.50 for postage and handling. Please send me \_\_\_\_\_ copies of *The Birds of Malheur National Wildlife Refuge, Oregon*

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## OSU Braces for Record Number of Liberal Arts Majors

Up until last year, OSU's College of Liberal Arts ran a student recruitment campaign touting itself as "the best kept secret" at the University.

Well, the secret is out.

Applicants for fall 1990 admission indicate more students than ever plan to major in the liberal arts—and that's taking into account that OSU will admit several hundred fewer new students than last year to comply with a state system mandate to decrease enrollment.

While only about 70 percent of admitted students will end up coming to OSU, recent admissions data provide fairly reliable indicators of the student body profile. Consider these trends: Two years ago at this time, 662 applicants indicated they planned to major in the liberal arts; last year, the total rose to 943; this year, a whopping 1,176 freshmen applicants say they plan to concentrate in a liberal arts discipline.

College of Liberal Arts Dean Bill Wilkins figures the difference to be around a 77 percent increase in majors since 1988, and a 24 percent increase since last year. Subtract the students who have likely moved over from the School of Education, and the result is still a 62 percent increase over the past two years.

"If these numbers hold up, we'll have 35 percent of the freshmen class and 25 percent of the current University undergraduate enrollment," Wilkins says. "At lunch the other day I used the word 'besieged' to describe the situation."

Yet Wilkins admits the numbers are flattering and spins a positive interpretation out of the trend. "I view it as a very healthy sign," he says. "The University is becoming more broadly recognized for excellence."

The trend is especially significant in light of the University's history as a land grant institution. What is now CLA was for many years a lower-division service area to the rest of the institution. Few upper-division courses were taught, and no majors in the liberal arts were offered.

Only after 1960, when Oregon State College became Oregon State University, were students able to get a bachelor's degree with a major in the liberal arts.

"The fact that a third of the students at the state's land grant institution may soon be majoring in liberal arts instead of more technical fields is going to shock some people," Wilkins says.

From a central administration point of view, the trend poses some real challenges.

"We're thinking about this phenomenon every day," says Graham Spanier, OSU provost and vice president for academic affairs. If the State Board of Higher Education approves the special tuition increase for OSU, UO and PSU (1.7 percent above the 8.25 percent OSSHE-wide proposed increase), about \$426,000 will be generated at OSU.

"We've decided to give liberal arts the lion's share of those funds because that is the college currently experiencing the greatest impact of enrollment shifts," Spanier says.

The attraction students find in OSU's liberal arts programs parallels a national trend, Wilkins says and adds: "I believe the message liberal arts colleges have been selling across the land, plus people like the president of Dow Chemical, among many others, is 'We need people who can think, write, communicate and learn.'"

"I think many young people are hearing that to a degree."

But the trend has meant a "substantial increase" in the workload for CLA faculty, according to Wilkins. Meanwhile, publishing and research demands have increased, as with other disciplines, and class sizes have been increasing.

"A great deal of experimentation is going on," Wilkins says. For example, a speech communications class will be taught to 600 students who then create small groups for projects; beginning Spanish will also be taught in a large lecture format combined with separate sessions making use of native speakers.

And as graduate programs in CLA also attract more students—a Ph.D. is offered in Economics, an M.A. in Scientific and Technical Journalism, the college has long offered the Master of Arts in Interdisciplinary Studies, and proposals for master's degrees in Applied Anthropology and history are well underway—Wilkins says the college will likely increase its use of teaching assistants.

The college is considering different plans for undergraduate enrollment management.

"We will resist arbitrarily excluding students who are in good standing with the University," Wilkins says, categorizing such a step as a Draconian measure.

CLA's challenges are further complicated because of the Baccalaureate Core Curriculum. Incoming freshmen next fall will be required to take courses that fulfill the BCC requirements. A great number of the courses are in CLA, and nobody yet knows exactly where the student demand will fall.

"The big challenge in enrollment shifts is that it's difficult to cut positions in colleges that are shrinking," says Spanier. "A college with declining enrollment still needs most all of its faculty to teach the range of courses, conduct research, or carry out other public service activities. It's not as simple as looking at where enrollment is decreasing, taking away money and putting it where enrollment is on the rise. Any time there is enrollment shift, it is going to be more costly to the University for at least a year or two than if an enrollment shift did not occur."

## Children Can Detect Teachers' Attitudes

New studies by an OSU psychologist suggest that grade school children may be able to tell whether their teacher likes or dislikes them, regardless of attempts to conceal such feelings.

It isn't the spoken word or tone of voice that gives teachers away, the studies show, but subtle differences in body language and facial expressions.

Messages sent through this nonverbal communication are profound, according to the researchers.

"The bottom line is that kids as young as grade school can detect whether a teacher is talking to a 'good' student or 'bad' student just by looking at 10 seconds of nonverbal behavior," says Frank Bernieri, an assistant professor of psychology at OSU. He did the studies with colleagues from Harvard University and Hebrew University in Israel.

Bernieri and his colleagues videotaped teacher behavior and showed the tapes to college students and other adults. He said he was surprised by the level of agreement among observers—even watching videotape without sound—on their perceptions of warmth, hostility, nervousness and dominance. They then expanded their audience to include children.

Teachers appear more tense and show less interpersonal warmth when dealing with poor students, Bernieri said.

## Commencement



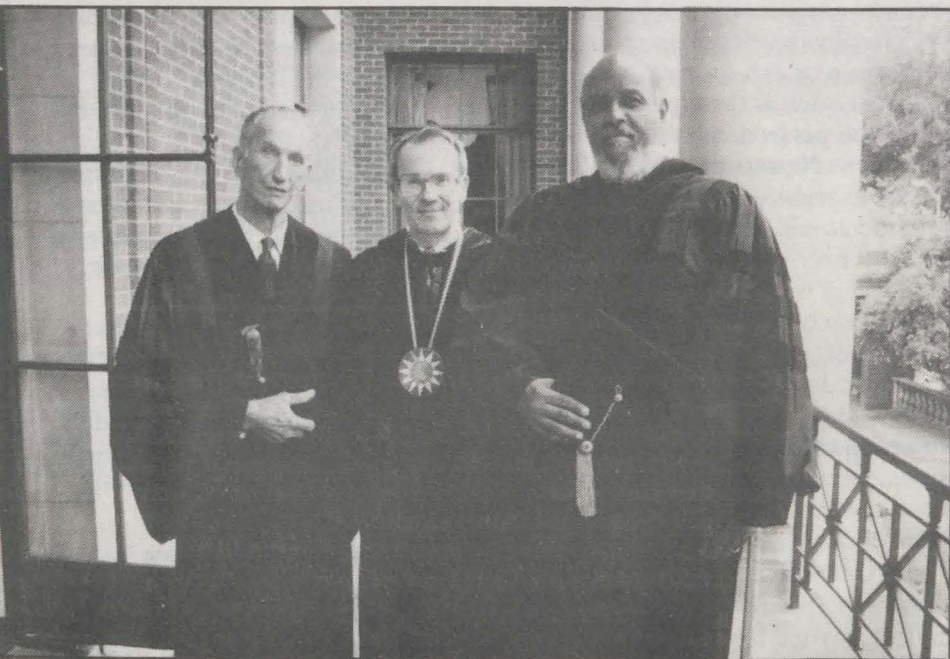
Commencement '90 saw the Marshall family graduate a seventh child from OSU—Tim (in cap and gown)—pictured here with mom, dad and five of six brothers and sisters, all of whom brought their diplomas back for this picture. From left are Gerry Marshall; Michael, '87; Rosemary Marshall; Tim, '90; Pert, '79; Neil, '85; Cathy, '82; and Chris, '81. Not shown: Greg, '79.



Erin Kathleen McCallister, center, smiles after becoming the first of the fifth generation of members of her family to graduate from OSU. Other graduates from her family pictured here are, from left, Michael, '65; Alan, '42; June, '40; and Nancy McCallister, '67. Michael and Nancy are Erin's parents and Alan and June are her grandparents. The McCallister family traces its ancestry back to Hugh McNary Finley, the younger brother of the first president of Corvallis College and in 1871 one of the University's first six graduates.



N.B. "Nat" Giustina, sometimes known as the "elder statesman" of forestry in Oregon, is shown here with OSU President John Byrne just prior to receiving the University's Distinguished Service Award at commencement exercises June 10. Capt. Barry Fisher, a leader in the Northwest's commercial fishing industry, was also honored but was on business overseas and could not receive his award in person.



OSU President John Byrne (center) with James DePriest (right), conductor and director of the Oregon Symphony, and Jan Karski (left), a leader in the Polish underground during World War II, just prior to commencement. De Priest and Karski received honorary doctorates in special ceremonies at Gill Colliseum.



Eileen Jeffries

## "Mis Information," Eileen Jeffries, Kept Campus Informed and Lively

Eileen Jeffries, 68, died of a heart attack June 6 in her Corvallis home. She was remembered during memorial services June 16 as an outgoing woman who sincerely cared about others and who set the work standard among her colleagues.

Jeffries edited "OSU This Week," the campus newsletter, from the early 1960s until her retirement in 1988. She and Wally Johnson, who retired two years ago as director of information, made a noon ritual out of checking the stock market at a downtown office.

She began her campus career at the Alumni Office in 1958, moving several years later to the then-Department of Information. Jeffries was often the first person people met at OSU because she worked the desk in the Administration Building lobby, answering ques-

tions and providing directions. She took pride in knowing everything she could about the University. A 1975 *Corvallis Gazette-Times* feature described her as an answering service for expectant fathers, a backpack sitter and a hard worker who at that point had accumulated 600 hours of sick leave.

She was also a detective. To answer caller questions she: found the name and address of the owner of a boat sunk in the Siletz River; obtained the elevation of Weniger Hall's first floor; and located a tank truck for two grad students seeking to fill a pond.

Jeffries jokingly referred to herself as "Mis Information," but was known more accurately around campus as the "Information Lady," or "Mama Jeffries" by students.

## Letters...

Continued from page 3

## Staying Alive Relies on Agriculture Science

Ed LaRoe's January symposium, (*"Keeping Earth's Residents Alive in the 21st Century,"* February) may have promoted some discussion, but if the quotes were accurate, several were his opinion, not Land Grant University scientific, accepted fact.

Keeping earth's residents alive in the 21st century will hinge on a productive, commercial agriculture using results of scientific fact rather than supposition by a wildlife specialist in areas outside his expertise.

The U.S. Food and Drug Administration has concluded that 98 percent of cancer risk in the diet results from ordinary foods—not from additives, poisons, or other man-made contributions to the food chain.

LaRoe arrogantly attacks agriculture as the biggest contributor to environmental degradation in the United States. Yes, agriculture has had environmental degradation problems, but so have cities, industries, businesses and consumers. Metropolitan areas have had significant environmental degradation problems, including improper and wasteful land use.

The pollution level around cities with car fumes, wood stove smoke, and industrial fumes is the most important environmental issue in the United States. There has been a marked increase in asthma deaths during the last 10 years.

LaRoe stated agriculture is losing its effectiveness to feed an exploding population. There is no information to substantiate this statement, which is absolutely false.

The advancement in production of volume and quality of food in the last

100 years has been based on scientific research and adoption of this research by modern commercial agriculture. The United States has the most abundant, healthful and least expensive food in the world. This has not come about by some hocus-pocus magic or spiritual philosophy. If agriculture can maintain the tools to control pests and add fertility, there is no question we can provide adequate food for the United States and the world's people into the 21st century.

I suppose the Fish and Game Department sponsored LaRoe's symposium. Now the School of Agriculture should sponsor a symposium to tell what agriculture has done and is doing to maintain our agriculture, range and forestry resources to keep us alive in the 21st century.

LaRoe should attend. He might learn something from production specialists. It is always fun to criticize someone when our stomachs are full from their labor. Europeans support agriculture and its programs since they know what it means to be hungry.

**Tom Thompson, '48, President Staff of Life Consultants Inc. Certified Professional Agronomist Gearhart, Ore.**

## OSU Top University in International Development Arena

For the third straight year, OSU is the top land grant university in the country doing international development contract work with the U.S. Agency for International Development (USAID).

Oregon State topped the 1989 USAID list for both volume of business and faculty involved in overseas projects, with 31 full-time equivalent faculty working overseas and nearly \$7 million in contracts.

The fact that OSU leads the contract list, says Ron Miner, associate director of OSU's Office of International Research and Development, reflects the long-term commitment of agriculture deans and central administration at OSU to international agricultural development work.

Miner says that one of the chief advantages of OSU's involvement in overseas activity of this type is that benefits from the experiences and research findings of USAID projects do become available for domestic use.

"The benefits flow back into the state," he says, "even though tax dollars aren't used to produce them.

For example, Doug Johnson returned from Tunisia four years ago with a whole new perspective on rangeland resource work.

This led to the introduction of some new forage crops for southern Oregon, a research project he says that "is more practically oriented than if I had not been overseas."

The international arena offers faculty a tremendous development opportunity, Miner says. "Their experiences allow them to bring a new dimension to their teaching, research and extension work when they return to OSU," he says, which adds depth and breadth to the education offered OSU undergraduate and graduate students.

According to George Keller, OSU vice president for research, graduate studies and international programs, OSU's international projects include work in Malawi to develop agricultural-based income generation projects and Yemen, where OSU faculty are helping to develop a College of Agriculture at the University of Sanaa.

In the Bangladesh Post-Graduate Institute of Agriculture project, OSU is working with colleagues to develop a plan to improve higher education in the country, Keller says.

## Victorian-Style Street Lamps to Light Campus

By the time daylight hours shorten next fall, OSU's campus should be a safer—and more elegant—place to walk at night.

It will be lighted by new, efficient Victorian-style street lamps.

In an agreement initiated by graduate student Johnny Huff, chairperson of the Associated Students' campus lighting task force, the ASOSU will use \$100,000 from its contingency fund toward the purchase of the lights; the University administration will match that amount with another \$100,000; and the OSU Foundation will also contribute an equal amount to the project.

"I think it's really good that we can all work together and get this solved," said Huff. "Maybe this will be a precedent for getting student issues resolved...or non-student issues, for that matter."

Insufficient campus lighting has caused concern among students—and University administrators—for some time.

"I found a 20-page detailed report, titled 'A Comprehensive Lighting Plan for OSU,' dated 1974," Huff said. "The University administration has allocated \$20,000 each year for lights, but each one of these lights costs \$3,000."

L. Edwin Coate, vice president for finance and administration, explained that street lights must be purchased in a series. They are connected to one another via underground wiring, which makes it difficult to purchase only a few lights at a time.

"I can understand why the students feel insecure," Coate said.

About a year ago, I walked the campus at night with a hired lighting consultant. Using a light meter, we measured the amount of light produced by the present lighting system.

"We found out our lights are too far apart and too dim. The lights should be 80 to 90 feet apart; ours are 150 to 300 feet apart, and you get a pool of darkness between them. In several places on campus—along the brick walkway in front of the M.U. and in front of the Women's Building we have old



**A pool of student, state and private dollars will buy more Victorian lamps to make campus a safer place at night.**

Victorian lights, and everybody likes them. So I recommended to the committee that we buy the same kind.

"We've hired campus planners to work on a master plan," he added. "They will help identify and improve the ambiance of the campus. We want to maintain its overall style, which is not modern. These lights will certainly fit in with the traditional buildings of that era...and if they weren't efficient, we wouldn't put them in."

The design of the new lights consists of a gracefully curved globe—its shape reminiscent of a Grecian urn—set atop a cast-iron lamppost.

The more recent, shoe-box style street light, or "cobra heads" as Coate calls them, will be moved to the outer areas of the campus. When the work is completed, Victorian lamps will surround the M.U. quad and the parking lot between the bookstore and the library. They will also light the major thoroughfares on central campus: Jefferson Way, College Drive and Campus Way. With \$300,000, Coate hopes to buy 100 lamps.

The contract for the installation work will be placed up for bids.

"My goal is to have as many lights in as possible before the time changes and the rain starts next fall, and to have them all in within a year," Coate said. "We're very excited about the program...it's going to be a real asset to this campus."

Charlene Vecchi

# Fire Alters Rainforest Forever

Most of the time, Boone Kauffman studies fire's role in the rangeland ecology of central and eastern Oregon.

But occasionally, the researcher for OSU's Agricultural Experiment Station leaves those arid environs for the steaming jungle and dry scrub forests of the Amazon Basin.

The tropical rain forests of South America are disappearing at an alarming rate as humans clear and burn the land for subsistence agriculture and lumber, said Kauffman, a fire ecologist.

Little is known about how fire in the tropics affects biodiversity, ecosystem functions and global climate change.

## Mom's Weekend Attracts 2,500, Marred by Tragedy

Mom's Weekend was marred by tragedy May 4 when Suzanne Elizabeth Wilkins, 22-year old senior in home economics, died of injuries she suffered in a bicycle accident on Oregon highway 34 as she was returning to Corvallis from crew practice.

The accident occurred a day before Wilkins' mother, Florence Wilkins of Yreka, Calif., was to be honored as Mother of the Year by the University during Mom's Weekend activities on campus.

OSU students had selected a letter written by Suzanne about her mother as the best essay submitted in the annual Mother of the Year contest.

Suzanne's mother, a special education teacher in Yreka, and her father, Bill, a middle school principal, were en route to Corvallis when the accident occurred.

A crew meet scheduled for Sunday, May 6, was canceled.

On Tuesday, May 8, a dockside ceremony on the banks of the Willamette was held in Suzanne's honor. She was a member of OSU varsity women's crew and family, friends and teammates dropped flowers in the river in her memory.

This year's Weekend, held May 4-6, attracted over 2,500 mothers of OSU students.

Films, fashion shows, athletic events, tours, special events and the traditional Intrafraternity Sing were some of the highlights.

A popular Renaissance Faire was held on Saturday on the mall east of OSU's Memorial Union.

Kauffman and fellow researchers have gone deep into the tropical forests of Venezuela and Brazil for answers. Their work has been funded by the National Science Foundation, the World Wildlife Fund and the National Geographic Society.

Kauffman and colleagues have found that it is almost impossible for wildfire to occur in uncut tropical rain forest. It is just too wet. But once a forest has been even partially cleared, conditions change dramatically. As tree felling opens up the canopy, the unshaded sun bakes the forest floor. Temperatures soar. Forest debris becomes extremely flammable.

"The ultimate result of most tropical timber harvest or forest clearing is often a change from a closed-canopy moist forest that never burns to a weedy, flammable pasture that may burn repeatedly," explained Kauffman.

Kauffman's research in the east Amazon showed that once an area has been disturbed by even partial timber harvest, "It's not a matter of whether or not the area will burn, but rather when it will burn. Fire is inevitable," he said.

"We have seen dramatic losses of plant species in burned areas." Very few Amazon plant species are adapted to fire, he said.

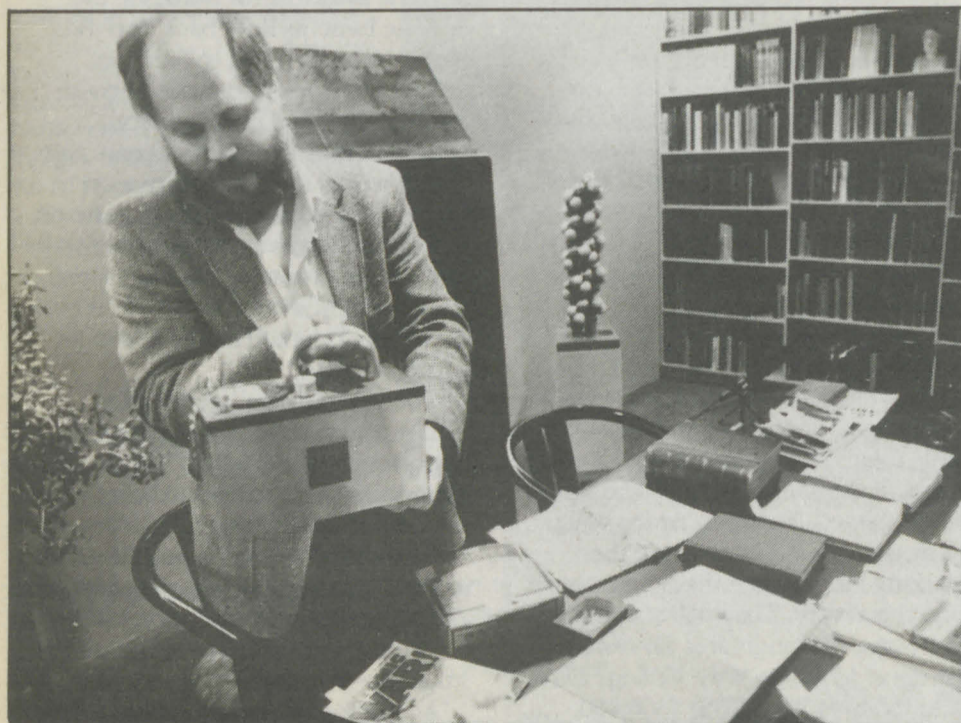
In one Brazilian study, Kauffman and his colleagues found that 36 to 69 percent of all tree species were lost following fires in partially-cut rain forests. Soil nutrients—carbon, nitrogen and phosphorus, all necessary for plant life, literally go up in smoke.

An intact rain forest creates its own climate, he said. Scientists estimate that half of all the rainfall on a tropical forest originates from the forest itself. When large tracts of land are cleared, local and overall climatic changes may occur, prohibiting the re-establishment of rain forest.

An area 80 percent the size of Oregon burned recently in one year in the Brazilian Amazon, said Kauffman. Many scientists speculate tropical forests will be gone by the middle of next century. When they disappear, so will half the species on earth.

"We are witnessing a grand experiment in Amazonia," he said. "It forces us to ask 'how much disruption can the ecosystem take before things are irreparably damaged?'"

*Carol Savonen*



*George P. Edmonston Jr.*

Leif Laudamus, a collector of rare books who lives in Amherst, Mass., is shown with a part of his collection of books and materials on the history of atomic energy and the atom bomb, which he sold to Kerr Library in April. The collection's nearly 3,000 items include books on the discovery of radioactivity, the Manhattan Project, and the hearings of Robert Oppenheimer. "This is a major acquisition," said Clifford Mead, OSU special collections librarian. "It will dovetail nicely with the (Ava Helen and Linus) Pauling collection, because of (their) work toward nuclear disarmament." Fred Horne, dean of OSU's College of Science, said of the collection: "It is one of the only studies of a complete area of science that is still pretty new. There are philosophical and literary works, plays and novels about Truman's decision to drop the bomb. It's great for its completeness."



*Betsy Krutse*

Entomologist Michael Burgett feeds his students insect dishes in an attempt to dispell ignorance and squeamishness.

## Eat Your Ants and Larvae, Junior, They're Good For You

If you eat a normal American diet, you're already eating about a pound of bugs a year.

Your "gut" reaction to this may be one of nausea. But whether you're fond of peanut butter, potatoes or supposedly "pure" tomato juice, little bits and pieces of insects come with the territory.

And the truth is, they're probably good for you—dried caterpillar larvae have more protein than an equal amount of dried beef.

At OSU, one entomologist thinks the ignorance and squeamishness about insects in our food has gone too far. Our insistence upon attractive, insect-free produce is a primary reason for the heavy use of chemicals and pesticides, he says. And besides, a steaming plate of bamboo worm larvae is considered a delicacy in some parts of the world.

Michael Burgett, an associate professor of entomology, has a special way to illustrate his point in several classes he teaches. Falling back on culinary secrets he's learned while doing scientific research around the world, Burgett prepares some nice insect dishes—and encourages students to eat them!

"There's always a lot of interest in my insect dishes," Burgett says. "They look, smell and taste good, but I really can't say I've made a lot of dietary converts among the students."

In many other countries, a wide variety of insects are common food staples, Burgett explains. Many native cultures in South America incorporate insects in their diet, and insects are traditional food for most hunter-gatherer societies, such as the Australian aborigines.

Eskimos eat head lice during mutual grooming rituals, he says and some American Indians of the West had dishes made out of fly pupae.

"But we're not talking about an appetite for insects only in the distant past or among remote South American tribes," he says. "In some modern, more developed nations such as Thailand, virtually everyone eats some type of insect. You just buy them in the supermarket like milk and eggs."

Burgett's research has taken him to Thailand several times, where he had the opportunity to sample some unusual menus. A giant waterbug—2 inches long, 1 inch tall and roasted—is a local favorite. The larvae and pupae of ants also add zest to a regular egg omelette.

A fine restaurant in Bangkok might offer special insect dishes that are "in

season," just as an American restaurant would offer strawberry pie in early June. And the country's thriving silk industry offers a fringe benefit for connoisseurs—the leftover silkworm pupae—which "taste great and are quite nutritious."

If you're interested in trying some insect cooking the quick and easy way, Burgett says, just gather up a bunch of your favorite bugs—ants, grasshoppers, whatever. Dry them in a warm oven, grind them up in a blender and use the result as a "substitute flour" for almost any recipe, especially cookies.

As a tried and true favorite, Burgett like to serve his students bakuti, a dish with origins in Nepal.

"Bakuti is based on the larvae and pupae in a honeybee comb," Burgett says. "It's full of protein and sort of looks like a scrambled egg when it's done. In Nepal, they like their honeybee products so much that special climbers risk their lives to harvest the hives of giant honeybees which are usually found on steep cliffs."

To "better suit the American palate" and get his students to try it, Burgett says he "cuts the bakuti 50-50 with Philadelphia cream cheese and serves it on a Triscuit."

But whether or not any of his students ever become great larvae lovers, one motivation for his lectures on dietary insects is quite serious.

Americans need to better understand that their food is grown in a real world full of very real bugs, Burgett says, and that a stubborn insistence upon pristine products can exact a high environmental price of its own.

"Here in Oregon, I've heard horror stories of entire truckloads of perfectly good, fresh produce being thrown away at the dump," he says. "It apparently had too high a level of allowable insect parts."

Burgett says he hopes environmental groups will "actually start lobbying the FDA and other agencies to allow larger amounts of insects in our foods." This might permit farmers to use more sustainable, healthy agricultural practices with less reliance on chemicals and pesticides.

And if a few nattering naysayers can't overcome their squeamish indoctrination, he says, consider the advice God gave Moses in Leviticus 11:22:

"Even these of them ye may eat—the locust after his kind; and the bald locust after his kind, and the beetles after his kind, and the grasshopper after his kind."

*David Stautb*

## Oregon Looks for Rain While El Nino Looms

Southern and eastern Oregon are disturbingly dry. Snowpack levels in much of the state are low.

A five-year trend of lower-than-normal precipitation is continuing, and there are early indications another *El Nino* may be on the way.

That's the bad news.

The good news, according to a meteorologist at OSU is that some of the areas still needing rain the most might get it.

December and January are traditionally the rainy months in the Willamette Valley, one of the few areas of the state that isn't facing a water shortage. In the more parched areas of southwest and eastern Oregon, however, May and June often provide more precipitation than the earlier spring months.

"Towns such as Ashland or Lakeview often get a late spring surge in precipitation," said George Taylor, an atmospheric scientist at OSU. "So there's still hope they can get the rain they badly need. However, it looks like there will be water problems this summer."

The biggest immediate concern, Taylor said, is that warm temperatures in late February and early March caused an early snowmelt and "peak flow" on most river basins around the Pacific Northwest.

"Now that the growing season is upon us, there's simply not enough surface water available," he said.

Taylor works with a water availability committee of the Oregon Drought Council, a state committee chaired by the Oregon Water Resources Department. That group of experts, and others around the United States, are concerned that the Pacific Northwest may be in for another low water year.

It's getting to be a depressing pattern, Taylor said.

"In the Willamette Valley during the last decade, we had five wet years in a row starting in 1980," he said. "That's been followed by four years out of five that were drier than normal."

There is clearly a correlation to global climatic events," Taylor said, but researchers are not yet sure exactly how larger atmospheric phenomena translate into Oregon weather.

There's some evidence that Pacific Northwest weather is drier during the "El-Nino—Southern California oscillation" events that can trigger bizarre weather patterns, Taylor said.

Air pressure indicators in Australia and the southern Pacific Ocean suggest that another El Nino may indeed be starting, although scientists have no idea how strong it might be.

A summary of Oregon's Water Supply situation:

- Southern Oregon has received about 60 percent of normal precipitation during the "water year" that began in October. Some areas of south-east Oregon have gotten less than 40 percent of normal rainfall.
- The surface water availability for the Willamette Valley and extreme northwest coast region are about normal.
- Snowpack levels are considerably below normal in many parts of the state.
- Peak flow periods on many river basins have already passed.
- Low precipitation will have a negative impact on groundwater levels in many areas.
- Many reservoirs in southern and eastern Oregon will not fill.
- Irrigation demand is already high. Forecasts call for the summer of 1990 to be warmer and drier than usual.

David Stauth

## New Tubers May Yield Yukon Gold

The increasing demand for healthful foods and the availability of new potato varieties have opened opportunities for potato growers who specialize in fresh market potatoes.

The good old Russet Burbank baker once reigned king as standard foil-wrapped restaurant fare, but it is being usurped by baby red-skinned and other fresh steamer or boilers in upscale restaurant side dishes. Discriminated consumers are paying a pretty price for specialty varieties, and the market is ripe for new options, according to Ken Rykbost, superintendent of the Klamath Agricultural Experiment Station, and University of California-Davis researchers.

Cash sales from potatoes in the Klamath Basin, have ranged from \$30 to \$75 million, Rykbost said.

Growers are thinking about planting red-skinned tubers like Sangre and Redsen, yellow-fleshed varieties like Yukon Gold, and HiLite and Frontier Russets.

The Klamath station and Tulelake Field Station have published a report on field trials of 18 potato varieties to give growers information on growing needs, characteristics, yields, diseases and marketing. The pamphlet "Potato Varieties" is available for \$2 from Regents, UC Tulelake Field Station, P.O. Box 447, Tulelake, Calif., 94134.

## Seedlings, Steers Could be Partners in Reforestation

Armed with a new concept in reforestation, a few Oregon cowboys may soon be riding the woods instead of the range.

New studies at OSU have found that in the right type of terrain, grazing cattle can be a valuable asset in the weed control so vital to successful regeneration of conifer seedlings.

The idea has proven its value in controlled tests, especially in some moderately rolling land of the southern Oregon Cascade Range. It's already being used by a major forest products company and may be ready for wider application by public land managers, researchers say.

With the prospect of increasing restrictions on herbicides and prescribed fire on Oregon forest lands, the concept may become a significant weed control tool in the future, according to Steve Tesch, an associate professor of forest science at OSU and coordinator of the Forestry Intensified Research (FIR) program in Medford.

"On many of the hot, dry sites in southwest Oregon, water availability is the limiting factor in successful reforestation," Tesch said. "When too much competing vegetation uses soil water, the trees don't get off to a good start. They're more susceptible to domination by shrubs and grass and sometimes they just die."

In one small study recently concluded, Douglas fir and ponderosa pine seedlings growing in areas grazed by cattle were substantially larger four years after planting than those growing in an ungrazed area, Tesch said. Seedling loss from cattle eating or stepping on them did not appear to be a major problem, but researchers were careful to remove the cattle before forage was gone.

## Parenting Pups Yields Satisfaction, Seeing Eyes For the Blind

"The gift of sight is a gift of love," according to Guide Dogs for the Blind Inc. Seven OSU employees and their families are helping to provide this gift by training guide dog puppies.

Guide Dogs for the Blind Inc., based in San Rafael, Calif., works through the OSU Extension Service and the 4-H program to place guide dog puppies with trainers. The volunteers are responsible for housebreaking the puppies, attending weekly group meetings and outings with the puppies, exposing them to a wide variety of situations and people and doing basic obedience training. The puppies are with the trainers 24 hours a day.

Barbara Middleton, a Forestry Education Program Leader and classroom instructor, and her husband,

David, have been involved in the program for three and a half years. They enjoy participating in volunteer and community activities, but because of their demanding schedule they were unable to commit to an every-Monday night meeting type situation.

"In this program you are on the job training all the time as a volunteer. And it is not so much going to meetings and getting things done in a meeting situation; it's the time you put in as a puppy-raiser and exposing the dog to the different situations. The training fit perfectly into our schedules," Barbara said. She and David are currently training Bette, a German shepherd.

The puppies are around three months old when they are given to the trainers. They stay with the volunteer

trainers for 14 to 16 months depending on their progress.

It is important to expose the puppies to a variety of situations during social training including restaurants, hotels, stores and schools. Many people are unaware the puppies can go into any public facility, so the trainers do a lot of public relations for the program just by entering a restaurant, said Loren Kellogg, assistant professor of forest engineering.

When establishments don't allow the dogs in the trainers try to explain the program to them and sometimes cite the Oregon law that requires their admittance. But if the proprietor still resists the trainers leave and send a letter to him or her and explain the program again. The group also keeps a file of places who have been friendly in the past, several trainers said.

Loren, his wife Peggy and their children Megan and Scott are currently raising Fergie, a black Labrador Retriever. They joined the program when Megan expressed a strong interest in it. They had to wait until Megan, who is the master trainer for the family, was in the fourth grade before they could get a puppy. On March 11, 1989, the Kelloggs received Maui, their first guide dog puppy, Megan said. The day they gave Maui back to the center, they got Fergie and that helped take away some of the sadness of parting with Maui, Megan said.

Dennis Johanson, manager of technical support for University computing services, and his wife Sue, sons Ryan and Robin and daughter Trina, are raising their first guide dog puppy, Naomi.

German shepherds, yellow and black Labrador retrievers and golden retrievers are used in the program.

When the prospective trainers fill out the application and are accepted, they can request the type of dog they want. The Johansons requested a female German shepherd and expected to wait the usual five to six months before receiving one. Naomi came a month after their application went through. Sue said they had to rush to get the house ready for her.

Trainers are required to provide a fenced yard or dog run and allow the dog to sleep in the bedroom with the master trainer. The Johansons said they put the fence up over the weekend before Naomi's arrival.

Since this is their first puppy, the Johansons are not sure how they will handle returning Naomi to the center for technical training. According to Dennis, every other day the family talks about the time they will return Naomi. Dennis and Sue stress that they are helping someone else who really needs Naomi and how important it is to train her for this.

Guide dogs Naomi and Fergie both go to school with the kids in their families. Megan said she talked about the program with her class before she brought in her dog and told the kids how to treat the dog. When in school the dogs stay right beside the trainer.

Training the puppies requires a lot of work and the Kelloggs said that it takes efforts of the entire family.

"It has really been fun. It's like have a toddler around the house again," Sue Johanson said.

The other OSU employees and their families participating in the program are Bob Ethington in forest products, Allen Feltmann in poultry science, Barry Schumpf in crop science and Elaine Schumpf in nutrition and food science.

Jennifer Much



Nina Feltmann, left, demonstrates a training maneuver with Virginia, a puppy being trained by Jamie Harthun, 13, far right. Bob Ethington and Paxi and Megan Kellogg and Fergie watch.

# Four More of the University's Best. . .

In this, the second of a six-part series honoring excellence in the classroom, we highlight four more of the University's very best teachers. In no way do our honorees represent all of OSU's best, but they are indicative of the accomplishments OSU has made in recent years in its quest to build a nationally prominent teaching and research faculty. *By Teresa Hess*

## Ann Messersmith

Ann M. Messersmith quilts. Stitching warm coverings for the babies of students and faculty is recreation for the director of the dietetics program and assistant head of the food and nutrition department in the College of Home Economics. Messersmith also pieces together her research, writing, extension service, undergraduate and graduate teaching, supervising, consulting with faculty and volunteer work into a multi-layered whole.

"Food management is the integration of a lot of different kinds of expertise, techniques and methods coming together," Messersmith says.

Messersmith was the recipient of the 1988 Elizabeth P. Ritchie Distinguished Professor Award for outstanding undergraduate teaching. The Ritchie is the highest teaching award at Oregon State.

The associate professor received her bachelor's in dietetics at Muskingum College in New Concord, Michigan and served her internship at Barnes Hospital in St. Louis, Missouri. She earned her master's in institutional administration at Michigan State University in East Lansing, and her doctorate in food systems management at the University of Missouri-Columbia in Columbia, Missouri.

Messersmith says her two related fields give her approach a "double-barreled professionalism" that encompasses all aspects of satisfying the food service customer. That includes planning, organizing, standardizing, food and resource purchasing, nutrition, quality control and much more.

It's an exciting and constantly changing field in which there will always be employment "as long as people are interested in food, and I think that's forever," Messersmith says. Her excitement is contagious. She seems to pull at least as much from the students as she gives them.

"I like to share with the students, to see them perform and come out stars. I want to find ways to teach so they can be innovative and creative; so they can go out into industry and make changes for the better."

She likes to get to know her students individually. She wants to piece together each student's interests, desires and personalities with the best materials and resources to help him or her become "whatever makes your all-around person."

"The students are fun, they're feisty, they're great...and I have to see how the information and the resources fit with the person."

In teaching it's important to have a sense for what is not being said, to watch for responses in body language and facial expressions, to answer the questions that are not being asked, Messersmith says.

The University has the only graduate food management program on the West Coast, and there are shortages of people with doctorates, she says.



Ann Messersmith

"That makes the program here at OSU very special."

And because there is so much money to be made in the food industry, teaching positions don't draw much interest. Three people would be a huge pool of applicants for a faculty position, she says.

Messersmith does very little paid consulting, but she will help those connected with the University or alumni free of charge by putting the correct food management and dietetic tools in their hands.

"I see the University reaching out across the state in the same way I see the state reaching in to us," she says.

Messersmith also sees a lot of changes coming in this decade.

"For example, microwaves will be used in the family automobile. Every time new things happen we must find new ways to accommodate them, such as new procedures and alterations in the size, quality and appearance of foods. We need to find ways to jazz it up."

We do not know what the future will bring, but we have to prepare the students for it, she says.

"We can teach content for the students' use now, but for the next decade and beyond, the biggest thing we have to do is to teach critical thinking," Messersmith says.

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The book, which recently came out in a second edition, acknowledges and accepts students as citizens of a democracy with constitutional rights, Gathercoal says.

"When I wrote it, I thought there is nothing more American than school rules and regulations based on students' rights," he says.

Gathercoal believes teachers should be student-centered as opposed to teacher-centered. Being student-centered means the teacher makes every effort to help every student succeed. It means to empower students to develop a love of learning, he says.

"I am so committed to the courses I teach in educational psychology that I may come across not unlike a preacher on some sort of a mission," Gathercoal says.

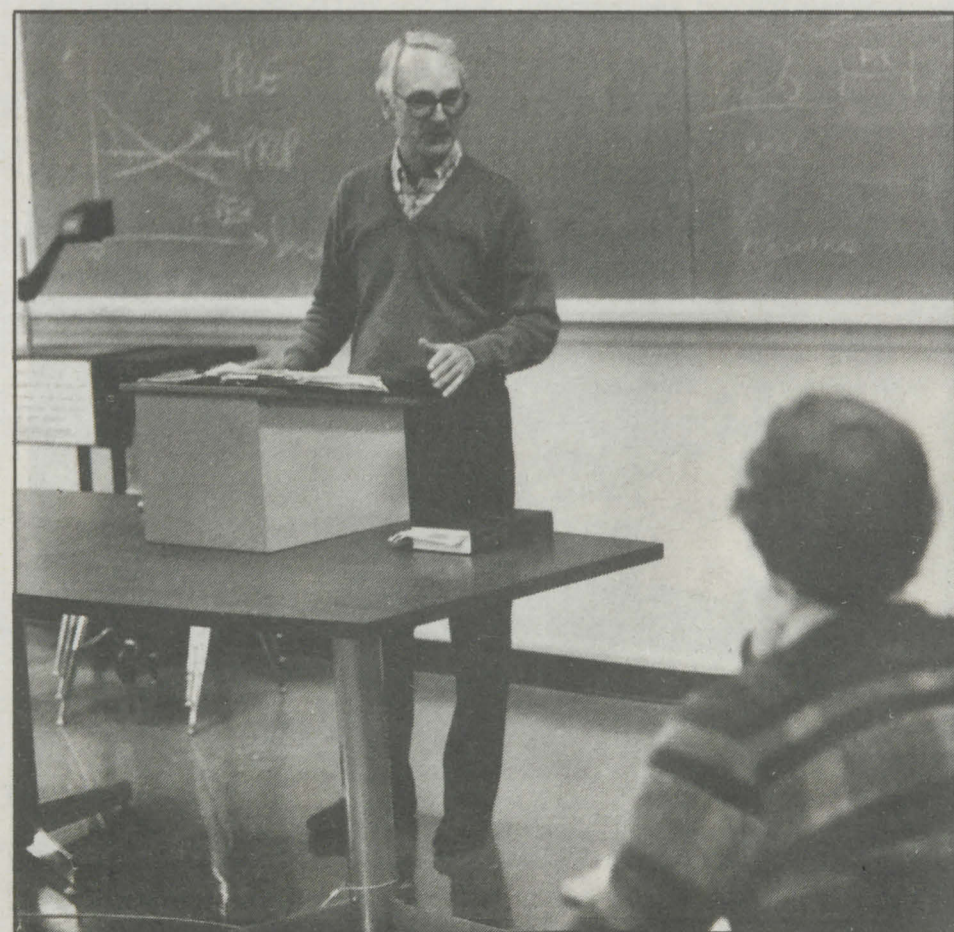
Gathercoal has two degrees from the University of Oregon, one in music and the other in law. In addition, he has completed 33 graduate credits in counseling. An attorney and professor with the department of educational foundations, he has taught educational law at the University for more than 20 years. Previously, he taught music in elementary, junior high and high schools and has been a coach, high school vice-principal and director of the placement office and assistant dean for the School of Education. In addition, Gathercoal has given hundreds of workshops to thousands of educators and school administrators.

Among many other awards and honors, Gathercoal was selected as the 1989 recipient of the Outstanding Education Faculty Member of the Year by the OSU Education Student Council.

"I have field tested my teaching ideas and materials. Sometimes students take me on, or fellow teachers sling arrows at me. I have the scars to

## Forrest Gathercoal

Forrest Gathercoal did not think that his book, *Judicious Discipline*, would be so highly controversial. But the teachers and school administrators toward whom it is aimed seem to either love it or hate it.



Forrest Gathercoal

George F. Edmonston Jr.

prove it. But that's okay; that's how I grow and learn," he says.

Evidently, his methodology works. Gathercoal earned awards for teaching excellence and other teachers and school administrators are also using it. The principals of Cleveland High School in Portland and Greenway Elementary School in Beaverton are using it.

William Howry, a former student of Gathercoal's, has been using ideas from *Judicious Discipline* in his Corvallis High School English class for two years.

"I think of it more as a philosophy than a method. Teaching students about their constitutional rights and responsibilities makes it less likely they will take advantage of the system. But...many teachers have a power mind-set. Some have never considered sharing responsibility with kids, and they are afraid to try it. Even some people I work with have a 'us versus them' attitude.

"But basic to Forrest's philosophy is to approach discipline problems as educators, not as dictators or tyrants. It just made a lot of sense to me," Howry says.

o o o

## T. Darrah Thomas

At 14, T. Darrah Thomas managed to survive making explosives in his parents' basement, electrocuting himself from time to time and rendering good shirts into swiss cheese with chemical burns.

Now he gets paid to play with chemicals—but he is a bit more careful.

Thomas is a professor of chemistry and the director of the University's Center for Advanced Materials Research. He earned his bachelor's degree in 1954 at Haverford College in Haverford, Penn., and his doctorate from the University of California at Berkeley.

Thomas shared the Oregon State University Alumni Distinguished Professor Award in 1988. He earned the University Distinguished Professor Award in 1989.

"Teaching is actually a fraud perpetrated on the people who pay the bills. It's the professor who gets up there and learns," Thomas says.

Thomas says he loves to see students whose "eyes light up" with understanding and excitement and

who ask questions and stimulate discussion. These kind of students "bring out the best in a teacher," says Thomas, as his own eyes light up.

Teaching, he explains, was a parallel interest that developed while he was an undergraduate. He would informally tutor friends and roommates, including a premedical student who offered him a memorable deal—a beer party in exchange for tutoring in chemistry.

"How would I explain what I am doing to someone else?" was a question Thomas frequently asked himself while he was a research associate at Brookhaven National Laboratory from 1959-1961. He soon realized that he enjoyed the aspect of explaining what he was doing to someone else.

Similarly, he describes really good teachers as "the ones who can't keep themselves from doing it."

Thomas, who taught at the University of California at Berkeley and at Princeton before coming to Oregon State in 1971, was raised in what he describes as an intellectual and professional family in Washington, D.C. His father was an economist for the Federal Reserve Board. His mother died while he was very young. His step-mother was a housewife with a passion for ballet she instilled in his step-sister, who became a professional ballet dancer.

But it was his grandfather who was a major influence in his life. Thomas' grandfather, a career military officer, stimulated his intellectual development. He is the one who bought the chemistry and erector sets and took Thomas and his older brother to museums. He worked with "my brother and me on projects and spent a lot of time with us." Those projects, including photography development, firmly planted his chemical interests.

Fellow chemist and wife Barbara, who he met while they were both graduate students at Berkeley, supports that interest. Barbara, who also has a doctorate in chemistry, understands not only what her husband does but "why I want and need to do it," he says. She understands when he is in a world of his own at the dinner table and why he has to work late or stay away from home overnight while conducting an experiment.

A physical chemist with a specialty in electron spectroscopy, Thomas has published hundreds of articles in numerous trade journals. Thomas, however, does not see a

distinct division between research and publication and teaching. One naturally leads into the other in his field, Thomas says.

Chairman of the University's department of chemistry from 1981 to 1985, Thomas is a Fellow of both the American Physical Society and the American Association for the Advance-

ment of Science. In 1986, he received the Oregon State Sigma Xi Research Award and in 1974, the College of Science Carter Award for excellence in teaching.

Nevertheless, Thomas insists he is not an expert in teaching and would "hate to be passing out advice on it."

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Bodil Dickerson

## Bodil Dickerson

Bodil "Bodie" Dickerson so took to heart her experiences as a Danish exchange student in this country that she emigrated, then drew on a family tradition of teaching—and her experiences managing a tight family budget—to create a career teaching business finance.

Dickerson, whose Danish accent slightly flavors her speech, is a senior instructor of the finance department in the College of Business. In 1986, Dickerson earned the University's Business Advisory Council Award for Outstanding Fixed-Term Faculty Member.

Dickerson was an advertising apprentice in Denmark for four years before she decided to return to the United States. She married Dale Dickerson and settled down to be "your basic happy homemaker," Dickerson says.

After 10 years and two daughters, Tina, now 29, and Robin, 26, Dickerson returned to school. As a part-time clerk at Linn-Benton Community College, she made just barely enough money to pay for her classes.

"It wasn't an ideal situation" to work, go to school and take care of a family, "but it got me on campus. I took just one step at a time and decided to get a degree in something marketable."

Dickerson got an associate of arts degree at LBCC in 1978, then came to Oregon State to earn her bachelor's in business administration in 1980 and her master's in 1984.

Although Dickerson believes there are many components to being a good teacher—a sense of humor, being approachable and well organized—she has an underlying motto based on how students ought to be treated.

"The whole thing about teaching is fairness. Students have a built-in sense of fairness. At all costs, you have to try

not to violate that...I have a reputation of being a tough teacher. If they tell me I'm tough, but fair, than I'm happy. I've done what I want to do."

It took Dickerson a long time to earn her M.B.A. because she started teaching "every class that they offered me" while she was going to school herself.

"I come from a family of teachers. My father and my sister and brother teach, so it was always something in the back of my mind. I found I enjoyed it tremendously," Dickerson says.

Dickerson became interested in business and finance by managing the family finances. Her husband works for the post office. While Dickerson was going to school, they were basically a one-paycheck family "managing on very little."

"So I figured that if Dale worked hard bringing in a paycheck, it was my job to manage it carefully. It isn't that big of a step from that to corporate finance," Dickerson says.

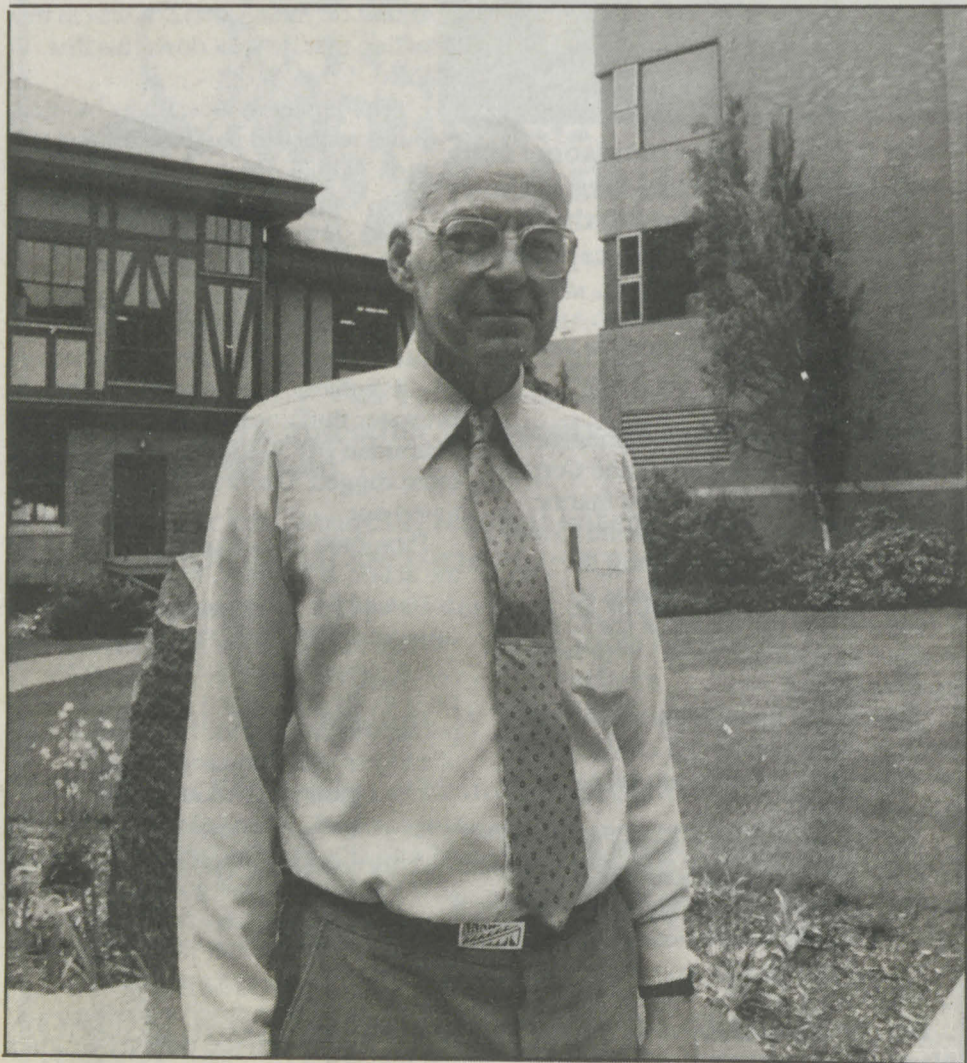
She also credits her husband with being "extremely willing to let me grow and learn and do my own thing. There have been many times I've had to say, 'I'm sorry I can't do such and such. I've got to study.' He is very understanding even though my going to school and teaching has changed his life," she says.

Dickerson finds herself working with former teachers. There are several she "admires deeply," including professors Art Stonehill and Jonathan King.

"I feel honored to be in their company," she says. Stonehill and King are always excited about their subjects and communicate that to their students. That's one of the qualities that make a really good teacher, Dickerson says.

"You have to walk into the classroom prepared to give it your all."

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T. Darrah Thomas

# ALUMNI OF DISTINCTION

## Gen. Marion E. Carl '38: A Lifetime of High-Flying Honors

Stories by Thomas G. Bennett

**T**he tall, rangy Marine eased carefully into the cockpit of the sleek, rocket-powered Navy fighter on a sunny August day in 1953 at Edwards Air Force Base, Lancaster, Calif..

It was good to be at the controls again after 10 weeks in a body cast. An experienced test pilot, he was used to getting back into the air as soon after a crash as possible.

Lt. Col. Marion Carl '38, had survived another accident. He had fractured his back crash-landing a test plane that would never fly again. Happily, he would—the new Douglas Skyrocket. Just delivered, it had set the current world altitude record with a company pilot at the controls.

Carl's orders were to fly the Skyrocket merely to test the new pressurized flight suit that had been made to his measurements before he was in the crash. Nothing more.

As he closed the hatch, his instincts as an aeronautical engineer took over. He was in the highest-flying plane yet built, wearing the first pressurized suit made for high-altitude military use. Why not test them both at the same time?

Although the suit was too inflexible for comfort, it did permit him to handle the controls satisfactorily. And the plane felt good as they took off, carried at the start by a converted B-29 bomber to an altitude of 33,000 feet. At that point, the bomber dropped Carl, who ignited the Skyrocket's four burners once he was clear. He had three minutes of fuel.

Knowing what the company pilot had done in his record-breaking flight, Carl added some calculations of his own and made some changes in the procedure. He used the kinetic energy still left to climb higher after burnout—then put the aircraft in a ballistic missile trajectory with no lift on the wings (zero gravity) which permitted him to go over the top at less than stall speed—reaching 83,235 feet. That was 4,000 feet higher than the earlier flight.

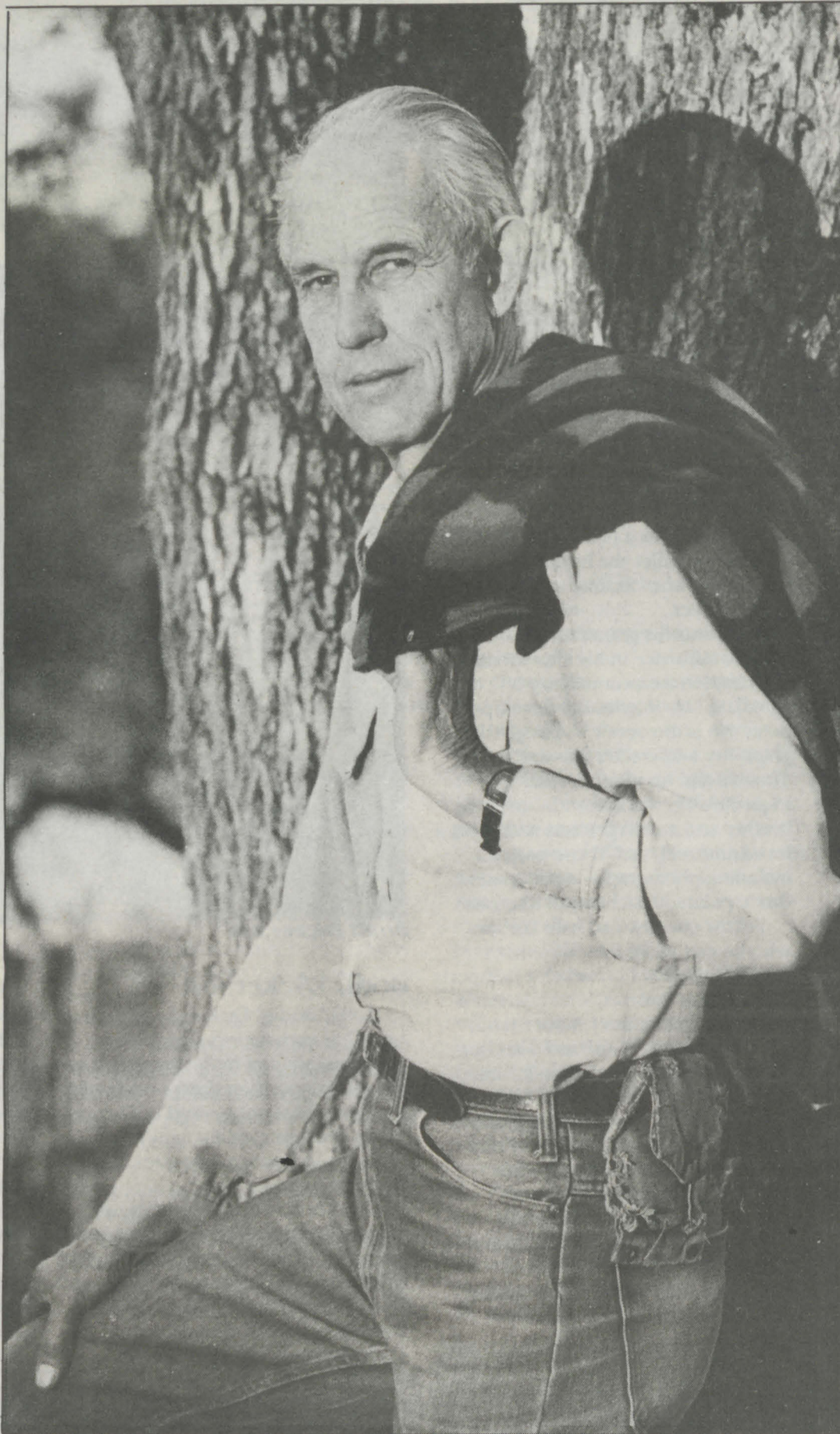
In one attempt, less than a year since a body-breaking crash, Carl set a new world altitude record and bested the old one by almost a mile.

The Skyrocket is now an exhibit in the Smithsonian Air and Space Museum in Washington, D.C. The flight won Marion Carl his fifth Distinguished Flying Cross.

This spring, the Oregon State University Alumni Association presented Gen. Marion Carl with its highest honor—the E.B. Lemon Award—in recognition of the honor he has brought his alma mater through his distinguished military career and service to our country.

"My five and half years in flight testing were the most interesting part of my career," Carl says. It gave him the opportunity to fly 250 different kinds of aircraft, including single- and multi-engine seaplanes, land planes, jets, helicopters and transports.

But testing was a very dangerous tour of duty. Many of his associates were killed in crashes. Carl himself was in seven serious accidents, including



**Marion Carl, '38, a dashing hero during World War II, is still a handsome man. Carl used his Oregon State aeronautics training in a star-studded military career. One of eight graduates of a small rural high school, he left the Marine Corps in 1973 as a major general. A practical man, he values the capacity for hard work he learned on his parents' dairy farm.** Photo by Roseburg's The News Review

the one that fractured his back. One thing, however, helped him survive: his knowledge of aeronautics.

Throughout his nearly 35 years of active service, Carl found that his training in aeronautical engineering at Oregon State University was a very valuable asset. On many occasions, both in combat and in testing, his knowledge of the principles helped him to understand what he could expect from an airplane and how he could compensate for problems that might occur.

And his career as a Marine pilot brought challenges that put him to the test time and time again.

**W**hen he retired in 1973, he had won two Navy Crosses, five Distinguished Flying Crosses, four Legion of Merit medals, 14 Air Medals, and the Octave Chanute Award "for notable contributions to the aeronautical sciences." He was the first

living Marine to be enshrined in the Naval Aviation Test Pilots' Hall of Honor.

He also assembled an impressive list of other "firsts:" the first Marine Corps Ace in World War II, the first Marine helicopter pilot, the first Marine to take a jet aboard an aircraft carrier, the commander of the first Marine jet squadron and the leader of the first Marine jet acrobatic team, "The Flying Leathernecks."

Besides the altitude record, he also set a world speed record of 650.6 mph in a Douglas Skystreak experimental aircraft in 1947.

But as much as he enjoyed his years as a test pilot, it was his service as a Marine combat pilot in World War II that brought him early recognition and many decorations for bravery and accomplishment.

He got into the war early. He was a Marine pilot two years before Pearl Harbor, receiving his wings in Decem-

ber, 1939. He and his brother, Manton, both had taken four years of ROTC at OSU, and became reserve officers in the Army—Marion in the Corps of Engineers and Manton in the Artillery.

Since Carl's first love had always been airplanes, he sought a transfer to the Army Air Corps. At OSU he had taken a tough mechanical engineering course mainly to get a minor in aeronautical engineering offered with it. He had even scraped up \$100 for flying lessons at the Dick Linden Field, just south of Corvallis.

As a new second lieutenant in the Army, he applied for flight training, both in the Air Corps and the Naval Air Service. He was accepted by the Navy; the Air Corps quotas had been filled.

Turned down by the Army, the future Ace took hold quickly in Navy flight training. When he received his wings, he became a second lieutenant in the Marine Corps. Completing training in combat tactics, he joined a fighter squadron as soon as he could.

In December, 1941, Carl's squadron was loaded aboard the carrier *Saratoga* in San Diego, scheduled to leave for Pearl Harbor on Dec. 8. As soon as news of the Hawaiian attack reached Headquarters on the 7th, the *Saratoga* was diverted to Midway Island, where the squadron flew ashore to help defend that tiny white speck in the Pacific against the Japanese attacks that were certain to come.

In the weeks and months that followed, he would take part in two of the most critical actions early in the Pacific War: The battles of Midway and Guadalcanal. Both took place within six months after Pearl Harbor and they marked the turning back of the Japanese threat to Hawaii and Australia.

Carl won his first Navy Cross for leading an outnumbered group of 25 Marine fighters against 108 Japanese planes attacking Midway Island on June 4, 1942. It was in this action that he shot down his first Zero.

The Japanese attack was blunted, but it was a sad day for Carl and his men. "Of 25 planes that took off," he says, "only 10 got back. Only one of the 15 downed pilots was recovered." Many of the pilots who scrambled that day at Midway were scantily trained for combat, and most of the planes were sadly obsolete. Of the fighters, 18 were stubby little Brewster Buffaloes. There were a few Grumman F4F Wildcats, newer and more rugged. Carl was fortunate to be flying one.

Promoted to captain a month before the action at Midway, he was sent back to Hawaii for reassignment to a new squadron. VMF-223, "The Fighting 223rd" became famous in the press early in the war, when the American public was hungry for heroes and signs of success after so many setbacks.

The Fighting 223rd arrived at Guadalcanal, in the Solomon Islands, on Aug. 20, 1942, less than two weeks after the Marines had gone ashore to evict the firmly entrenched Japanese. The bloody campaign would last six months.

Flying off the primitive airstrip almost daily when the tropical weather

*Continued in column two, next page*

## A Wartime Romance

It was like a Frank Capra movie: handsome, young, farm-grown Marine Ace on leave meets urban-raised New York model at the Waldorf-Astoria. After a whirlwind courtship, they marry and visit his boyhood home in rural Oregon for a brief honeymoon before he returns to action.

The story was so good that Life magazine sent a writer and photographer to cover it. "Life Goes on a Marine Ace's Honeymoon" the Feb. 15, 1943 headline declared.

"They stuck with us like glue for two days and nights," recalls Marion Carl. "We even put them up one night at the farm."

The Life team followed the young Marine captain and his bride, Edna, around the Carl family's dairy farm near Hubbard, Ore., photographing them in all sorts of bucolic scenes: Edna feeding the chickens, Marion milking a cow and squirting milk into Edna's mouth, Marion showing her his old bedroom, his mother showing Edna pictures of him when he was a boy, and the two honeymooners cuddling on the front porch. It was a great story that paralleled the experiences of many of Life's readers that year—only it was more glamorous than most.

Edna Kirvin, 19, was a fashion model at the Powers Agency in Manhattan in the early years of the war. On a wintery 1942 day, Mr. Powers asked a few of the models to stop by at the Waldorf on their way home. Edna phoned her mother, "I'll be about an hour late tonight."

The pilots were being entertained by the Grumman Aircraft Company, where they had spent the day boosting employee morale. War-weary, they were enjoying the night life of New York. All were married except Marion Carl. "I get first pick," he told the others when they were informed about the models' pending arrival.

He chose Edna, "the prettiest of all," and he must have charmed her as well. She agreed to accompany him to his next appearance, the Fred Waring radio show, after which the group club-hopped to the 21 Club, El Morocco and finally the Stork Club, which they helped close at 3 a.m. Edna called her mother every hour through the night.

They spent the next days seeing New York together and getting acquainted. "It was a wartime romance," she says. But when he asked her to marry, she thought they should wait. He left to continue the tour, ending up in Oregon on another bond drive. They kept in touch by phone.

One day in Portland, Marion was with a group in the president's office at the Meier & Frank department store, discussing the next rally. When told of Edna's reluctance to give an answer, Mr. Frank asked Marion, "What's her number?" and picked up his phone. Edna had decided they had waited long enough. She accepted Marion's proposal on the spot.

After the January wedding at her parents' home in Brooklyn, the couple went to the Carl farm in Hubbard to stay while Marion finished the bond-selling tour in Oregon. It was an 11-day honeymoon, after which he was assigned to El Toro Marine base in Santa Ana, Calif. Six months later he was back in the Pacific.



George P. Edmonston Jr.

**Marion Carl was honored at the E.B. Lemon Award luncheon this June. Carl is the 11th recipient of the award, given to recognize accomplishments that bring recognition and honor to their alma mater. Doug Engelbart, inventor of the computer "mouse," and Linus Pauling are among previous honorees.**

permitted, Carl and his fellow pilots lived and maintained their battle-scarred F4F's under rain forest conditions. Japanese bombers and fighters based at Bougainvillea were a constant threat. Casualties were heavy. Of the squadron's 20 pilots, six would be killed and six wounded in the next seven weeks.

Carl himself almost became a casualty when his Wildcat was shot down in flames early in the morning of Sept. 9. He was mourned by the squadron, who didn't know that he had bailed out and landed safely in the Pacific. Kept afloat by his Mae West jacket, he could see land, but the strong current kept him from getting ashore.

After four hours, a native who saw the parachute come down finally came out to rescue Carl. He had delayed so long out of fear that the flyer was Japanese. Carl made his way back to the field, traveling at night in a small boat along the darkened shore held by the enemy.

The Fighting 223rd took a heavy toll of Zeros and bombers during the seven weeks they were on Guadalcanal, shooting down a total of 95 planes. It was during that fighting that Marion Carl shot down his fifth Japanese plane to become the first Marine Ace in World War II. He ultimately downed 15 planes while on Guadalcanal.

On Oct. 12, 1942, the eight surviving pilots of the Fighting 223rd were relieved and sent back to the states to recuperate from their daily brushes with death. Those who were able to were asked to help boost public morale by making personal appearances.

Carl and a group of other pilots toured several cities. They visited flight schools, airplane factories and public bond rallies. He was now a celebrity: a tall, handsome, 27-year-old Marine Captain, a combat Ace pilot, wearing two Navy Crosses and two Distinguished Flying Crosses.

In New York City, one of the appearances was a reception at the

Waldorf-Astoria Hotel, where several fashion models were on hand to meet the war heroes. One of the models ("the prettiest one" Marion says), caught his eye and, for the next few weeks, his constant attention. He and Edna Kirvin were married on Jan. 8, 1943. He returned to the Pacific for his second tour of duty in July—this time a husband, and a major.

For the next 15 months, he commanded a squadron of Vought Corsair fighters. The Japanese were being forced back from island to island in the New Hebrides and the Solomons—Vella Lavella, Guadalcanal and Emirau. During this time he shot down two more enemy planes, bringing his final total to 18, one of the best records in the war.

He returned to the mainland in November of 1944. His combat duty finally completed, he was assigned to Flight Testing at the Naval Air Test Center at Patuxent River, Md.

Because of that assignment and his back injury, Carl didn't take part in the shooting war in Korea. But he got a chance to command a photographic squadron of F-2H-2Ps (Banshees) in Korea after the war. His assignment was to get photos of Fukien province in Red China. Carl made some of the flights himself and brushed with Russian-built MIGs sent to intercept him.

Carl later served in a number of administrative and command assignments in various parts of the country, including the Joint Staff Office of the Joint Chiefs of Staff in Washington, D.C. He became a brigadier general in 1964 and assumed command of the 1st Marine Brigade in Hawaii and took it to Okinawa and Vietnam in 1965.

During the Vietnam War, he flew helicopters and fighters until he was finally grounded because of his duties as assistant wing commander, 1st Marine Aircraft Wing. He received a Legion of Merit medal with Combat "V" for outstanding service in those posts.

Carl retired from the Marine Corps

as a major general in 1973, his last assignment being inspector general.

Today, a relaxed Marion Carl and his still attractive wife, Edna, live part of the year in a comfortable, contemporary house overlooking the rocky upper reaches of the Umpqua River near Roseburg. They also spend time back East, where Edna's city-girl heart probably lies. Marion manages to get in plenty of hunting and fishing while they are in Oregon. They have two grown children, a son in San Francisco and a daughter in London.

Looking back, Marion Carl is matter-of-factly modest about his remarkable career, relating the stories as though he were talking about someone else. "I just happened to be in the right place at the right time," he says. He was, of course, very well equipped to handle each situation as it came to him.

Carl values greatly the hard work he put in on his parents' dairy farm in Hubbard, Ore. It was a large farm, with 80 milk cows, and required the toil of all three children for many hours each day. He marvels at his mother's daily routine: keeping house, cooking for the family and hired men and doing all the bottling and bottle-washing for the dairy operation. His father died when Marion was a senior in high school, and his mother carried the work load until his brother, Manton, took over the farm after the war.

Carl says he went to the same rural school building for 12 years and graduated in a class of eight. "That was a large class," he says. "Most of them were about five."

He worked hard at his engineering studies at OSU, and was encouraged in his interest in aeronautics by professor Ben Ruffner, who taught the subject to a very small class.

But the aviation he loved and spent a life pursuing has changed tremendously in the years since his retirement. Developments in rockets, missiles and space technology have now gone beyond the limits of his experience and training.

Asked about the future of manned aircraft in military aviation, Carl is not encouraging to prospective pilots. "Manned aviation has gone about as far as it can go. The introduction of missiles has changed everything," he says. "They can take stresses that a human pilot can't stand. I'm not sure I'd like to be a pilot in a future war. I guess I came along at just the right time."

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**Carl has been honored with two Navy Crosses, five Distinguished Flying Crosses, four Legion of Merit medals, 14 Air Medals, and the Octave Chanute Award "for notable contributions to the aeronautical sciences." He was the first living Marine to be enshrined in the Naval Aviation Test Pilots' Hall of Honor. "I just happened to be in the right place at the right time," he says.**

# The Environment We're Not P

By Ellen



## Richard Lee Clinton

Richard Lee Clinton is an intense man with a disarming interest in other people. The 51-year-old professor is fluent in Spanish and can communicate in two European languages. He has been resident director of the Oregon higher education program in Quito, Ecuador; a visiting professor at the Catholic University of Ecuador; Senior Fulbright Lecturer and research professor in Lima, Peru; and served as a Joseph J. Malone Fellow with the National Council on U.S.-Arab Relations, Yemen Arab Republic and Jordan.

Clinton began his faculty career as a member of the Graduate Curriculum in Ecology at North Carolina. After a four-year stint as an overseas loan officer for First National City Bank of New York, five years as a research associate in population policy analysis and five years as an assistant political science professor, he joined the University in 1976 as professor and assistant dean for research and faculty development.

His skill in the classroom has been recognized by the Alpha Lambda Delta Outstanding Teacher Award in 1985; and the Teaching and Service Award from a student honorary fraternity at University of North Carolina at Chapel Hill. His scholarship has been honored in the form of nearly 20 fellowships, grants and financial awards for research, teaching and scholarly work.

Clinton has extensive national and international experience speaking, writing and debating on topics of population, military intervention, peace and economic conditions in Latin America.

His formal education is from Vanderbilt University and the University of North Carolina at Chapel Hill. He spent six years in the U.S. Marine Corps Reserve.

Clinton has advised many aid, education, and family planning organizations, including: Lutheran World Relief; the United Nations Fund for Population Activities; the Confederación Universitaria Centroamericana; International Planned Parenthood Federation; the United Nations Educational, Scientific, and Cultural Organization; the Ford Foundation and the National Institute of Child Health and Human Development.

At OSU, Clinton was associate dean of the College of Liberal Arts from 1978 to 1982. He serves on the Peace Studies Program Committee and the executive board of the Oregon State System of Higher Education's Ecuador Exchange program.

**Lost** in each debate is the complex issue of our descendants' future, the interconnectedness of our most basic resources—air, water and soil—and what we're willing to do to protect them.

Losing sight of the complex issues behind change, particularly when that change involves sacrifice on the part of some and not others, is becoming a more common element to public debate in this country. That's particularly evident in the environmental realm, where the division becomes vicious between those who believe nature is a pretty luxury with usable components and those who believe it is an essential whole, critical to our future. The reduction of that debate into emotional terms, with little logical rhetoric on both sides, has many people concerned, among them engineer David Bella and political scientist Richard Clinton.

The two University professors have a passionate interest in environmental topics. Clinton began teaching on environmental topics two decades ago. Bella's wide-ranging interests encompass research on Pacific Northwest wetlands and military strategic systems. Both are fascinated with people and the nature of our political debate. Clinton has spent the better part of three decades studying political systems in Latin America. Bella writes profusely in an attempt to draw together minds that rarely meet—scientists and those trained in the humanities.

Both men link the future health of our democracy to better solutions to environmental/economic dilemmas. But the two differ in their assessments of how realistic implementation of any solutions may turn out to be.

Bella refuses to make predictions, choosing instead to encourage intelligent action for its own sake. After 28 years of watching Latin American democracies rise and fall and Americans' faddish interests flame and wane, Clinton has a pragmatic view of the likelihood of successful, radical, legislative change. At the final seminar of an environmental series held on campus this winter, Clinton challenged the optimism of speaker Edward Ted LaRoe. The changes the U.S. Fish and Wildlife official suggested to deal with the critical environmental problems he had outlined—cut energy use, eliminate cosmetic use of agricultural chemicals, change economic policy from encouraging growth to establishing stability and reduce population growth worldwide—

were reasonable, rational choices to make for the future, Clinton said.

But in his view those suggestions were totally unrealistic in the U.S. political realm. Policy and laws supporting those aims won't be written until it is too late.

"The case for pessimism is overwhelming," Clinton said. "We ultimately only do things when we absolutely have to do them. If I've learned anything over the years about human nature, it's that. We simply will not bite the bullet until we absolutely have to. And in the case of environmental problems, that's disastrous, because that means that the damage has already been done. We're constantly creating carcinogens and gases that won't have their damaging effects for 10, 50 or even 100 years."

"Population growth is another classic example, because there's an inertia built into a rapidly growing population that continues that growth 60 or 70 years after you reach replacement level" of two children per family. Yet, Clinton said, "the official policy of the United States is that the world doesn't have a population problem. That's ludicrous."

"We think so simplistically," Clinton said. Americans blame Third World countries, where per-family births are far higher, for problems related to overpopulation—soil, water and air burdened with wastes; scarce resources; malnutrition; unemployment; cities swollen beyond their capacities to provide services, including education. "When in fact each of our children consumes between 25 and 50 times more than each of their children in a total lifetime."

Bella adds, "A lot of times we avoid problems like population because we think whatever problems come along, technology will come to the rescue. Technology can do many things. But to use it as an excuse to not face up to problems is unacceptable."

"We try to make technology into a religion. . . It's not that technology's bad. It's not that technology doesn't produce many good things. But if we're not willing to recognize the limitations of technology and sacrifice some things materially, then there's going to be a lot of special things that get lost. There are going to be caring people who can no longer have a decent income. There are going to be ecosystems that will be consumed so we can support our lifestyles. There are going to be communities and relationships that are broken so we can put in another freeway. We

# ment and Why Protecting It

Saunders

s and loggers square off, both spurred by  
by a bird.  
themselves about whether the greenhouse  
point to the upheaval to justify stalling action

d nations to stop burning tracts of rain  
proposal to swap standing trees for chunks of  
nty over its future under economic  
stop cutting their own ancient forests and  
ans what to do with their lands.

do need to recognize the limitations of  
technology."

One of those limits Bella wishes  
people would recognize is the power  
American citizens have been willing to  
cede to experts, technicians and those  
with fragmented, specialized techno-  
logical knowledge.

"Democracy assumes that the  
essential part of leadership is from the  
bottom up, not from the top down. It  
better be from the bottom up. From the  
top down I'm afraid you don't get much  
that makes a lot of sense." That is due in  
part to the tendency in all organizations  
to polish information to meet the  
organizations' needs. The classic, and  
tragic, example of that is the *Challenger*  
disaster—deaths caused by faulty  
equipment (O rings). The weaknesses  
had been noted but the urgency of the  
situation hadn't survived the chain of  
command; the "dress up the bad news"  
or "explain away data that doesn't fit our  
goals" phenomenon so prevalent in  
agencies and organizations.

"The level of public discourse on  
topics of importance now is terrible,"  
said Bella. "Some of the best discussions  
on global climate change occurred in  
the early '70s. Now you have ridiculous  
statements made that go unchallenged."

White House Chief of Staff John  
Sununu has been quoted, in reference  
to administrative resistance to legislation  
addressing global warming, that we  
don't base policy on incomplete models,  
Bella said. "That's a ridiculous statement.  
What is foreign policy based on? Military  
policy? Fiscal policy? They're based on  
incomplete models. I've studied the  
models on strategic military systems,  
and they are terribly incomplete. They're  
crude, and yet we spend billions on  
military policy."

"In addition," Bella said, "reality is far  
more complex than the most elaborate  
models that we'll ever be able to  
develop," and "if they're thinking that  
we can wait until we get scientific  
conclusions, definite proof... they're  
kidding themselves... Maybe a lot of  
the research we're doing is gathering  
data for some future historian who can  
write about what we didn't do."

"We've got bigger models, we've got  
more data, we've got more sophisticated  
equipment now, but the level of public  
discourse is of a poorer quality, and the  
complexities of the problems have  
expanded."

"That is why you need citizens asking  
embarrassing questions," Bella said.  
"They need to do their homework, but

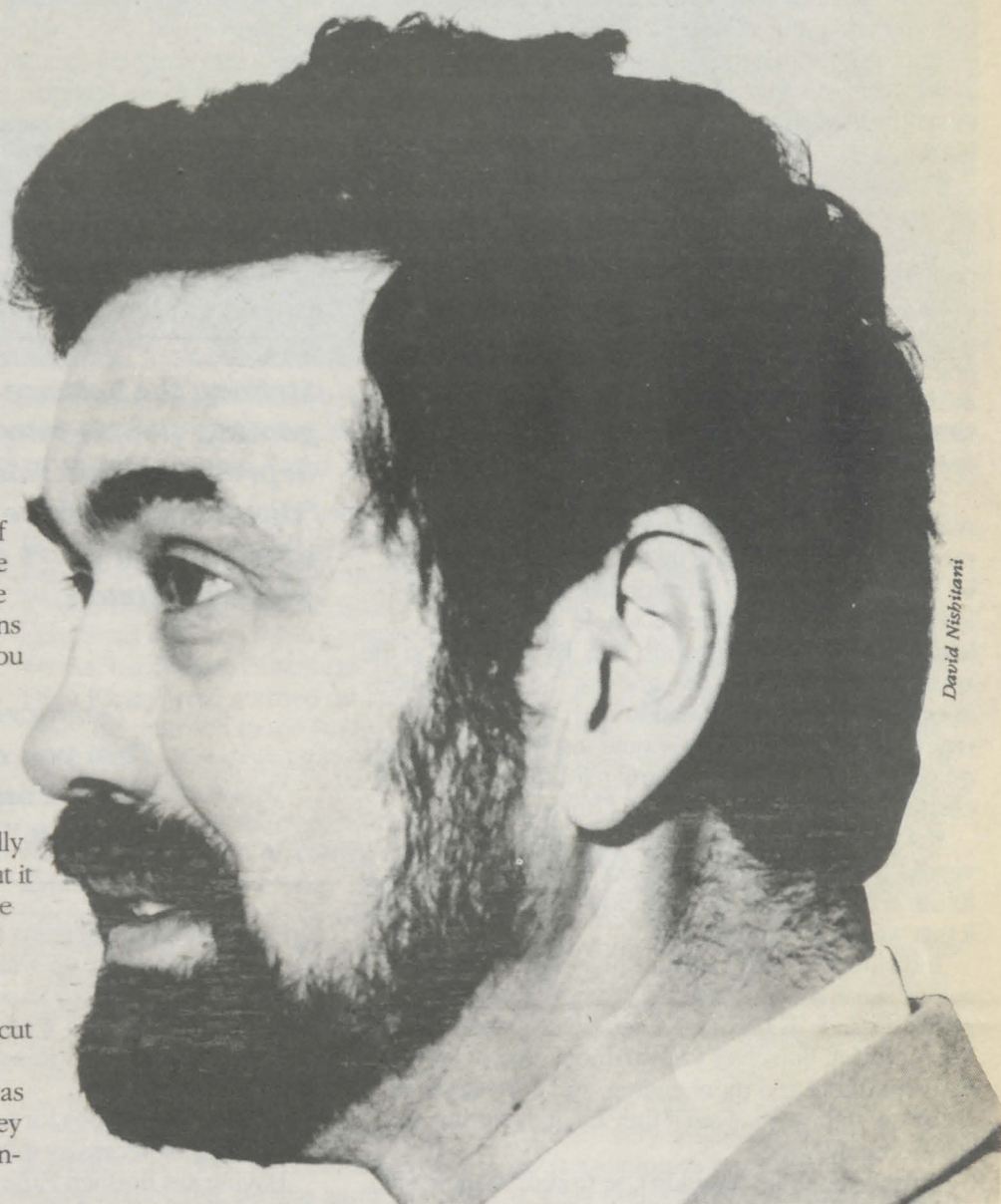
they don't have to be experts. Some of  
the best questions that get asked come  
from people who don't come from the  
traditional disciplines... I'd like citizens  
to ask OSU students, 'How many of you  
had a course in energy conservation?'  
The answer is essentially none."

He cites a need for civic virtues, a  
general concern for justice and the  
common good. "Being a responsible  
citizen is like being honest, you actually  
have to live it, you don't just talk about it  
or do it when it pays. If you don't have  
an alert and informed citizenry, then I  
don't think we'll be able to solve our  
problems. Look what happened to  
Eastern Europe, the system of power cut  
off the citizenry. They had smart  
engineers and scientists, just as smart as  
ours. They had laws on the books, they  
had organizations. Look at the environ-  
mental disaster than resulted in com-  
parison with us. What I'm saying is, the  
only reason why we've been better is  
because we've had a citizenry that raises  
questions, but we can't take that for  
granted."

"I think the University has to prepare  
people with the skills to be knowledge-  
able citizens and I don't think it's doing  
a very good job," Bella said. He would  
like to see an administrative champion  
for University courses or seminars  
unlikely to be funded by outside  
sources—covering topics such as  
technology and democracy; the high-  
technology arms race; and life in a  
multi-polar world, where power rests  
with more countries than just the Soviet  
Union and the United States. He would  
like to draw together faculty from  
around the campus to discuss such  
issues so students from ROTC, Peace  
Studies, engineering, political science  
and computer science, among others,  
could hear their professors talk about  
the wide-ranging issues that they as  
citizens must help decide.

"Universities should be leaders in  
raising those questions," Bella said. "If  
these kinds of debates can't occur at a  
university, in a free democratic society  
by tenured faculty, where else are they  
supposed to occur?"

"Look at the spotted owl versus jobs  
debate. It's being phrased in such a way  
that we're asked to choose between a  
bird and people. Well, that's a terrible  
way to frame the choice! It reduces the  
environmental problems to a trivial level  
and holds people hostage," said Bella.  
"Environmentalists and the people  
whose jobs depend upon the timber  
harvest need to start talking to each



David Nishitani

## David A. Bella

David A. Bella joined Oregon State University as an assistant  
professor in 1967 and was tenured in 1980. He has degrees from  
Virginia Military Institute and New York University.

A lanky man with the enthusiastic mien of a puppy, the 51-year-  
old Bella is constantly involved in something—a conversation with  
a student, a phone call with a colleague, a meeting, a class, another  
paper. His openness and willingness to serve are appreciated: He  
has been named an outstanding teacher by the Alpha Lambda  
Delta Honor Society and Professor of the Term by the Cap and  
Gown Chapter of Mortar Board; twice honored with the American  
Society of Civil Engineers Outstanding Service Award; and earned  
both the Burlington Northern Foundation Faculty Achievement  
Award in 1988 and the Lloyd Carter Award for Outstanding and In-  
spirational Teaching the following year.

Bella was heavily involved in the research and writing that  
formed the foundation of Oregon's estuary management plan. He  
belongs to five professional societies and serves on two national  
committees.

He was on the editorial board for the *Coastal Zone Manage-  
ment Journal* for seven years and has led workshops for the U.S.  
Army Corps of Engineers and Oregon Division of State Lands. The  
World Council of Churches has sought his advice on technology  
and values. He has also consulted for the National Oceanic and At-  
mospheric Administration and the U.S. General Accounting office.

Bella has authored or co-authored more than 80 technical  
papers, articles and reports. He has delivered more than 30  
conference papers for international, national and University  
audiences. His topics have included "Strategic Approach to  
Estuarine Management," "What and Why, not just How," "The  
University and the Risk of Losing it," Ballistic Missile Defense and  
the Automatic Release of Strategic Weapons," "Technocracy and  
Trust: Nuclear Waste Controversy," "Ecosystem Processes and  
Organic Contaminants," "Environment, Technology and Future  
Generations," and "On the Obsolescence of Students, Teachers and  
other Human Beings."

Continued on Page 14

other on a more civil basis. I think the real tragedy of this whole debate is the destructiveness of human relationships. I think that's really a sad thing. That doesn't mean we'll all agree when we get together. But let's put it this way—we could do better than we're doing now."

Not long ago, Bella was so impressed with the skill of two loggers he saw taking selected trees off a neighbor's property he asked them to thin trees on his own land. He had thought a clear cut was necessary to remove trees.

"These guys laughed. They said, 'No, we can thin trees out, we can open up views, there's a lot we can do.' There were really careful. When I left it was beautiful. In less than three hours they got \$1,000 worth of timber off my land."

"We should utilize those skills to manage our natural resources in ways that are more aesthetically pleasing and more sensitive to the ecosystems."

Clinton adds that the debate over our Pacific Northwest forests is symptomatic of how we're going to deal with all environmental controversies in the future.

"The issue is not the owl. The owl simply triggered an environmental protection law written many years ago when U.S. citizens and lawmakers saw the potential problems arising. Now, when it comes time to start applying it, the weeping and wailing and the gnashing of teeth begins, because some people are going to get squeezed harder than others. And, indeed those people who get the most squeezed should be helped by the political system to not have to pay all the costs of what is benefitting all of us," Clinton said.

"Our political system should arrange for all of us to share the costs of maintaining our ecosystem. That's a problem we're not facing up to. The logger shouldn't be left on his own in a situation like this, to have to fend for himself and have his whole world just knocked out from underneath him. By focusing on the spotted owl, politicians are ignoring the larger realities of ecological limits, automation and overuse of a renewable resource. They should instead be working on programs to help retrain and relocate workers and create new kinds of industries," Clinton said.

If we don't address today's environmental controversies with due attention to their full complexities and future consequences, he asks, how are we going to do it that way in the future?

Individualism and materialism in our consumer culture have gotten totally out of hand, resulting in problems such as Chernobyl, the political scientist said. We accustom ourselves to a luxurious way of life that demands more and more energy, and our engineers come up with ways, even if they mean environmental disaster worldwide.

"Some things just shouldn't be risked," Clinton said.

Bella considers the conditions urban youth are being raised in today as one of the most pressing environmental problems this country faces. Inner cities are filled with honest people leading decent lives under horrible conditions: poverty-stricken, drug-infested, crime-ridden areas in any city in this country, he said. We need to give those people credit and ask them how we can help them recover those communities, he said.

Several years ago, Bella noticed a minister and two women approach a drugged teenager in a train station. "They fit the stereotype we usually use to put down uneducated people. We use terms like dowdy, dumpy or whatever... but they cared for that child, and there isn't anything I've ever seen on the University campus that was more inspiring than what they did. . . in many ways they were doing things that were more important, and you could see they weren't wealthy, they were very poor. I didn't feel very big next to those people."

Bella thinks our own cultures are a resource. "We've been blessed with a Black culture, Black-American culture, we have Native American, we have the rich cultures that we develop through people who are thrown out of other countries. Most of us are the children of boat people," said Bella, who worked a number of years on American Indian reservations. "We've got to recognize that that's a precious resource."

"It's not that we should minimize our technological capabilities. I'm still an engineer, I want good engineers. But there are other resources that we can draw on. Through discourse, we Americans, Black, red, yellow or white, we have the capacity to learn much more, to discover things that technology will never give us. But we all sit behind our televisions and gripe about our taxes."

Urban conditions are a concern of Clinton's too. He has spent many years in cities such as Lima, Peru, a desert capitol that has quadrupled in size since his first research trip in 1961. Uncollected garbage rots in the streets, the water system is totally inadequate and people live in squalid conditions of unparalleled ugliness—juxtaposed against the lives of the wealthy minority. His trips to Latin America leave him depressed by the crushed lives and devastated ecosystems, and frightened by the capacity of humans to tolerate intolerable conditions. He sees amazing instances of the best of human nature in the worst of those areas: generosity, hope, civility, dignity and goodwill. But the confusion and political impotence of the people leave him chilled because he sees in that vision the future of our entire planet.

"We live in a precious time to have the beauty and abundance we have around us," he said, glancing out his campus window. Clinton considers the saddest statement on the choices we have made is the possibility that one of our few positive legacies to future generations may be our parking lots and highways. Cleared of asphalt by picks and shovels, they may be the only ground not too contaminated or eroded to grow food.

He charges that our political system has promoted the weapons industry as glamorous, respected, exciting and intellectually challenging to encourage

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***Striking the balance between goading people into action and depressing them into inaction is "the dilemma I have been working around in 20 years of teaching."***  
**Richard Clinton**

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***"Democracy isn't something that you do and then it's all done. You have to continue doing it."*** David Bella

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top scientists and engineers to make weapons of war. Yet we haven't come up with low-technology, low-cost sewage or water treatment systems that could easily be used in Third World countries or rural areas. It was the Swedes who invented something as basic as the composting toilet.

"There are few jobs for our engineers in designing those kinds of necessary things," he said.

Having just finished Farley Mowat's *A Whale for the Killing*, Clinton has almost come to the conclusion that "We just don't deserve this beautiful planet." He quoted former German Chancellor Konrad Adenauer, who said, "It seems unfair that God, having limited man's intelligence, didn't also limit his stupidity." Clinton laughs.

"I have to laugh at it. It's counterproductive to understand all these things. . . and let them destroy you." He refuses to be that pessimistic in the classroom, because he finds his thoughtful students even more discouraged than he is. Instead, he emphasizes the incredible societal changes we have made when we have had the will to act—the abolition of the centuries-old system of slavery, for example.

"People need to be shocked, outraged," before they will act, Clinton said. Striking the balance between goading people into action and depressing them into inaction is "the dilemma I have been working around in 20 years of teaching," he said.

Clinton sees environmental problems getting progressively worse in coming years. "There have been so many colossal errors in the last decade in our national politics. These things are going to blow up in our face," he said, listing as examples inadequate regulation in the savings and loan industry, neglect of the nation's infrastructure and misdirected spending on a misconceived form of national security—the arms race.

"That's the case in so many things, we're squandering our resources in the arms race, which we created and we maintain," he said. The Soviets bankrupted themselves trying to keep up with us. "What we don't realize is that we have bankrupted ourselves too," he said. "As it becomes obvious, then that's what we're going to turn our attention to, giving even less attention to longer-term problems." The depression, inflation and political polarization that will arise from such economic turmoil will eclipse movement toward solving environmental concerns.

Bella sees our democracy weakened by an inability to maintain civilized, informed discourse on such issues. Clinton sees the seeds of democracy's doom in the inability of our culture to cope rationally with its environmental dilemmas—the symptoms of a crumbling system of government.

"In the process we lose trust in our institutions. We lose confidence in ourselves. Ultimately, I'm afraid, we lose our democracy because you can't have democracy without trust and confidence," Clinton said. He has seen it happen time and time again in Latin America.

Bella agrees. "Democracy isn't something that you do and then it's all done. You have to continue doing it. I had one of my graduate students from a Third World country—I won't say her name because there may be some repercussions. She said, 'In my country they forbid us to raise these issues that might threaten our system of power, you'd have to fight for this discussion. In your country they don't forbid you, but you don't do it! There's no real difference.'" Bella grimaces.

"There are some real heroes of democracy in America. The people who take time to listen, the people who study, the people who go to public hearings, the people who get involved. I find that a lot of them are little old ladies in tennis shoes. I think they're the real American heroes, the democracy heroes. Forget Rambo."

"Regardless of what problems we are talking about. . . if we do not sustain an alert and knowledgeable citizenry, then I'm afraid our ability to address any of these other problems will be drastically diminished."

Bella traces the apathy in U.S. culture to two opposing viewpoints: The optimists who think time or technology will solve everything, "which is stupid because there's little evidence that it's all being worked out,"; and the pessimists who think our problems are so vast that we're all doomed, "and you get so tired of listening to those people." Both have reached the conclusion that personal involvement is futile.

Bella's own reaction is different.

"Hope is a freely given gift. It's not something you earn by solving problems and it certainly isn't something the experts give to you." Bella relates this notion to the theological and definitely non-technological notion of grace.

"Stop getting bogged down in pointless cynicism and naive optimism," Bella said. "Get out and do something. That's really what democracy depends upon. It depends upon a citizenry, getting out and listening, questioning, acting and maintaining civility, particularly under the gloomiest of times."

"Many years ago I was teaching a course on environmental problems and global problems, and I could feel my class getting more and more depressed and cynical." First, he said, he tried to "pull rank." He allowed fewer questions and wrote more notes. "If I let them speak, they would shoot down all my solutions," solutions either too minute to make a difference or too grandiose to be realistically implemented. "One day I realized that I had stifled honest discourse." He sat down and had the following exchange:

"Is there something you can do? Anything you can do?" he asked the graduate students.

"Oh, yes," they said, and kind of grumbled.

"Wait, wait, stop!" he said. "Say to yourself, 'There's something I can do.'" With looks of disgust, they complied.

"Now say to yourself 'It won't make a bit of difference,'" Bella said. There was silence in the room, but "it was a different kind of silence. It was a silence that said, 'He's being honest with us now.'"

"Now say to yourself, 'And I might even be wrong. And I might even get in trouble for doing it.'"

Then, after a pause, "Now say to yourself, 'but I'm going to do it anyway.'"

"When I said that," Bella said, "They smiled. And I said, 'That smile is the answer. I don't have a better answer. That smile is the hope, the hope that comes from doing something rather than sitting around and coming up with reasons why you can't do anything.'"

"They accepted that answer. They felt it was an honest answer."

"Maybe things will not work out, but if I sit around and figure out whether the teaching and the research that I'm doing is really going to make a difference—I think it's arrogant on my part. It's also very depressing. It's better to get on and do the best you can. Accept hope as a gift that frees us from cynicism, arrogance, technology, and other barriers to responsibility and spirit."

OSU



**GOLDEN JUBILEE FUN**—Approximately 500 alums and their spouses returned to campus June 2-4 to participate in the Alumni Association's annual Golden Jubilee Weekend. The Class of 1940 was inducted into the Golden Jubilee Association and the reunion classes of 1915, '20, '25, '30 and '35 were also honored. Everyone enjoyed the weekend's planned activities, highlighted by the Golden Jubilee Luncheon on Saturday. *Top left:* OSU President John Byrne enjoys a laugh with Mary Eleanor Pittney, '16, the oldest graduate in attendance. *Bottom left:* James Mercer, '39 and wife Betty Hobbs Mercer, '40, (right) who live in Hillsboro, Ore., share a moment of surprise and discovery with friends. *Top right:* June and Alan McCallister of Salem, Ore. (in foreground) sit among classmates from the Class of 1940, anxiously awaiting the presentation of their "Golden Jubilee Medallions." *Bottom right:* Pete Serafin, '40 of Roseburg, Ore., and Bonnie Wallace Riggs, '40, also of Roseburg, are seen here showing off their new medallions. *Photos by John Bragg.*



## PORTLAND PICNIC

Saturday, July 14  
3 to 7 pm

### Oaks Amusement Park

All OSU alumni, friends, parents and students in the Portland area are invited to join University President John Byrne, University Vice Presidents, Academic College Deans, Athletic and other University representatives for an enjoyable afternoon.

Enjoy a chicken banquet, musical entertainment, door prizes and a special amusement ride package.

Chicken Banquet Prices -- (served at 5:00pm) --  
 \$4.00/person - OSU Alumni Association Members  
 \$5.00/person - Non-Association Members  
 Free of Charge - Children, 10 years and under

**ALSO:** \$4.50/person - 4-Hour Amusement Ride Package

**Picnic Reservations must be made by  
Friday, July 6, 1990.**

**For Questions or Reservations, please contact:**  
 OSU Alumni Office, Corvallis -- 503/737-2351  
 OSU Portland Center -- 503/725-3073

Fall reunion schedule:

See page 17

# Mount St. Helens Recovers From Volcanic Blast

Dressed in a full-body wet suit to protect himself from the icy snow-fed stream, a young man carefully paddled his way through the rotting logs and other tangled debris of Clearwater Creek—a small stream about five miles from Mount St. Helens.

Until the past few years, Clearwater Creek had been anything but clear. In the summer of 1980, it was a ravaged, wounded stream with few signs of conventional aquatic life. The trees that once provided shade and nourishment had been blown down like matchsticks. The stream banks lay buried under mud and volcanic ash.

The fish were dead. All of them.

But last summer field technician Bruce Hansen found the type of life that can make mountain streams so pristine, so special. He raised his snorkel out of one little pool and yelled, "three cutthroat, 8, 10 and 12."

An assistant made notes in a book about the healthy young trout, including the lively 12-inch specimen.

Compared with the first days following the May 18, 1980, explosion of Mount St. Helens, times had indeed changed.

"I still remember the first time we came to the mountain after the big blast," said Jim Sedell, associate professor of fisheries and wildlife and research ecologist with the U.S. Forest Service. "I remember the day well. Because of the continuing danger of another eruption, we had to have a helicopter hovering above us at all times. And because of the short amount of time we had to work, we did a lot of foolish things."

Among those things, Sedell said, was jumping into the reeking cauldron of Spirit Lake to obtain samples. The water was choked with exploded trees, ash, and gases such as methane and carbon dioxide.

From a biological perspective, the water was anything but sterile. Anaerobic bacteria that fed on nitrates and disdained oxygen could thrive in such noxious conditions, and they permeated the lake—about a billion bacteria in each quarter teaspoon of water.

"I'd never seen anything like it," Sedell said. "It was a whole different world. Almost all the traditional life was dead, and the mud and ash were everywhere. When you tried to stand in a stream bed, you realized you were slowly moving downstream, that the



In 1989, Bruce Hansen found surprising signs of life in Clearwater Creek, a stream smothered by volcanic devastation in 1980.

entire bottom of the stream was moving underneath you."

Ecologists such as Sedell, and those from other universities or government agencies, realized they had a research gold mine. It was a chance to study the natural recovery processes in an area where traditional life forms had been virtually wiped out.

"It was a struggle, at first, to get the Forest Service to consider the ecological aspects of the situation," Sedell said. "They looked at it as just another disaster, like a forest fire. Ecologists were treated at first sort of like voyeurs, who didn't really belong there, and we had to fight to gain entry to the area."

But scientists like Sedell did get in to study lake and stream ecology, the water, fish, and life processes. Stan Gregory, stream ecologist, to study algae and plant materials that underlie much stream life. And Norm Anderson, professor of aquatic entomology, to study insects, snails, worms, mites and other tiny life forms.

And in the past 10 years, the most common reaction among the scientists has been surprise at the speed of the recovery, the way in which nature

could repair such devastating wounds in such a short time.

"Things have really boomed back fast, in many ways," Sedell said. "The life returned in successional patterns that were fascinating to study. There are now fish in the streams. And in some of the lakes that have not been stocked with fish, the zooplankton is growing to huge sizes, without any predators to eat them."

Many people forget, Sedell said, that in most alpine lakes of the Cascade Range, fish were introduced by man—in the Pacific Northwest, mostly between 1910 and 1930.

As it continues to recover from the effects of the blast, this "no fish" policy will also apply to Spirit Lake, once the jewel of Mount St. Helens and a popular fishing spot, Sedell said.

Other forms of life making an even faster recovery than the fish, Anderson said, were the little ones—mites, snails, worms, and most of all, insects.

"Prior to the explosion the streams around St. Helens would have been fairly typical of other Cascade Range streams," Anderson said. "And about 90 percent of the life forms would be insects, probably 200 species or more."

Like Sedell, Anderson was studying the recovery of this "invertebrate fauna" within weeks of the blast. Some insect populations were virtually wiped out by mud and debris slides that scoured the streambeds, Anderson said.

However, most of the insect species common to these areas could fly. Specimens of some "opportunistic species" such as midge flies were back that same summer. But for most of the bugs, it wasn't all that simple, Anderson said.

In Ape Canyon, one of the high alpine areas, they continued to face "boom and bust" population cycles as glacial melt would sweep mud, logs, ash and other debris through the streams. In July 1981 Anderson and his colleagues counted 1,200 insects in one small sample from the stream bed. After the floods, the same area had four insects.

"This is now one of the longest studies ever done of natural, long-term insect recovery processes following a major impact," said Richard Meyerhoff, a doctoral student working with Anderson. "In some ways, the rate of recovery is about what we expected. But it's been fascinating to actually confirm our theories in the real world, to watch and record this actual successional process."

There has also been considerable success in planting and regeneration of trees along streamsides for short-term gains, Sedell said.

"These need to be supplemented with conifer tree plantings near the stream for the long-term gain of large trees for fish habitat," he said. Sedell and the other researchers agree it would be a serious mistake to believe that Mother Nature can recover so readily from almost any type of insult, especially oil spills and toxic chemicals man can produce.

"This is something I think we need to emphasize to the public," Meyerhoff said. "Just because Mount St. Helens is making such a dramatic recovery, don't think that nature can make equally rapid recoveries from any type of disturbance. It just doesn't work that way."

David Stauch

## Mount St. Helens Research Funding Low Despite Its Value

To scientists, students and visitors alike, Mount St. Helens stands as a marvelous living laboratory, said Fred Swanson, professor of geology and forest science and U.S. Forest Service geologist.

The early lessons of death and destruction on Mount St. Helens have given way to recovery and regeneration in the 10 years since the blast. But research on the mountain is "old hat" these days and funding for studies is drying up, according to researchers and federal officials.

"A lot of other volcanoes have erupted, but this one is special," he said. Because of pre-eruption studies and instrumentation in place before and during the blast, scientists have a much better record of the events than virtually anywhere else in the world," Swanson said.

"So much of geology is looking at remnants of events. Rarely do you get to see them and check your interpretations. It's just a gold mine for education," he added.

The rich nature of possibilities: water quality work, soil erosion, vegetation succession and regenera-

tion and wildlife studies, have attracted many undergraduate and graduate students.

Arthur McKee, site director of Oregon State's H.J. Andrews Experimental Forest, said interference by man has clouded the interpretation of some data, but in general, "It's a fine laboratory. The students are awestruck by what they see. The physical and biological processes that go on all around us become much more vivid in a setting like that."

Through the St. Helens Interpretive Center the public can view of regeneration of nature. "It's a tremendous teaching opportunity," said Peter Frenzen, a monument scientist at the center since 1987. Visitors can watch the step-by-step rebuilding of the ecosystem and see the biological linkages form.

Frenzen, '83, said a new visitor's facility is planned. He expects the number of visitors to double from 1 million to 2 million a year after the new facility opens.

It is no doubt that the scientific questions and ecological issues are as fascinating as ever, but the money to

study them, which used to come largely from the National Science Foundation and the Forest Service, is about 10 cents on the dollar compared to the early 1980s.

A group of scientists worked with Congress and the Forest Service to obtain funding for a 10-year look at Mount St. Helens. But in the end, other issues such as the spotted owl won budgetary favor, Swanson said.

There has been some continuity of support for geological studies at Mount St. Helens, he said. But the funds for ecological research projects have been scarce in recent years, as time has passed and public interest has waned. In addition, more pressing scientific issues have emerged.

"A lot of us have moved on to other studies," Swanson said. "Climate change, general land use issues, forest-stream management...these are the areas where you can get research funding."

But the scientific community is letting the public down by not pursuing St. Helens research interests, he said. Transient phenomena happen constantly that go unobserved without

a continuing research effort.

Frenzen believes research information is the real long-term value, despite the \$50 million the federal government has put into facilities. The initial investment will only be fully realized through continuation of basic studies, he said.

Information from studies at the volcano can be incorporated into exhibits at the interpretive center, providing the public with insight into the nature of such a large scale disturbance and its influence on ecosystems that are vital to society's long-term survival and economic vitality.

"If you look at the amount the government has invested in both research and facilities to accommodate people," Frenzen said, "it makes more sense to make that new investment in research to make those facilities pay off in the most advantageous ways."

Carolyn Homan  
and David Stauch



Club charters were presented to Lane County and National Capital Area Alumni Clubs at the May 12 Alumni Association board meeting. Left to right: Lila Isbell, assistant Alumni Association director; Barbara Cullicott, president, National Capital Area Alumni Club; Kathy Dooley, Treasurer, Lane County Alumni Club; Gary Young, Lane County club president.

## Spring Board Meeting Held May 11-12

The OSU Alumni Association held its annual spring board meeting on the OSU campus May 11-12, a weekend highlighted by President Byrne's University Report, a special banquet held at the Eola Hills Winery and the presentation of the Alumni Association's E.B. Lemon award (see page 10) to retired Marine Corps Major General Marion Carl, '38.

In his report, Dr. Byrne reviewed the University's recent accreditation review and stated that the review team had much praise for OSU—particularly the work that has gone into developing the new baccalaureate core curriculum.

He added that the team was concerned about the state of OSU's physical plant, low faculty salaries, lighting and signage on campus, and the lack of women and minorities in management positions.

Over 125 alumni board members and their guests traveled to the Eola Hills winery for food and wine tasting.

Club Charters were presented to the National Capital Area Alumni Club and the Lane County Alumni Club.

The Alumni Association budget for 1990-91 was approved.

The fall board meeting will be held Sept. 14-15 in Corvallis.

## Club News

Over 150 alumni and friends gathered for the annual **Bay Area** picnic on May 15 at the Haas Clubhouse on the Cal-Berkeley campus. Short presentations were made by OSU President John Byrne, Alumni Director Don Wirth, Beaver Club Director Tony McDonnell and Assistant Football Coach Dan Ferrigno. The club also recognized the outstanding efforts of President Sue Wainwright and Treasurer Sue Hill. Both are retiring from office this year. Congratulations to new club officers: Co-Presidents Mitch Larsen and Denise Young, Vice President Stan Lee and Secretary/Treasurer Kitty Keenan. Look for information later this summer on a pre-game activity for the OSU-Stanford football game on Sept. 22.

All **Colorado** alumni interested in upcoming alumni activities should contact Bruce Whitaker at (303) 279-4846(h).

On May 12, the **Lane County** Alumni Club received its club charter from the OSU Alumni Association Board of Directors. On hand to accept the charter were President Gary Young and Treasurer Kathy Dooley. On May 19 the club sponsored a fun spring gathering at a Eugene microbrewery. Watch your mailboxes for information on the annual picnic to be held Aug. 2, 6 p.m., at Alton Baker Park. The club is sponsoring an OSU booth at the Lane County Fair Aug. 14-19. Contact Gary Young at (503) 686-0346(h) if you can assist with the booth.

An organizational meeting for the **Hawaii** Alumni Club was held June 21 at the Waialae Country Club. For information on upcoming alumni activities contact Armand Chong at (808) 599-5313(w) or Paul Cathcart at (808) 523-6248(w).

President Barbara Cullicott was presented with the charter for the **OSU National Capital Area** Alumni Club at a special presentation during the OSU Alumni Association Board meeting on May 12. Over 20 alumni attended a dinner on May 31 with special guest Bill Wilkins, Dean of the College of Liberal Arts. North Chevy Chase Recreation Center was the site of the second annual OSU vs U of O alumni picnic and softball game on June 9, with the Ducks winning for the second year in a row. Over 40 Beavers turned out for this afternoon of fun, food and friendly competition. The club is

planning a wine and cheese tasting for late fall. For information on alumni activities contact Barbara Cullicott at (703) 533-3855(h).

The **Puget Sound** Alumni Club meeting will be held on Tuesday, July 10, 6 p.m., at Jay-Berry's Pizza & Pasta, 385 NW Gilman Blvd., Issaquah. Contact President John Thomas at (206) 882-0228(h) for more information. The annual picnic will be Tuesday, July 31, 6:30 p.m., at Lake Sammamish State Park. Contact Jolly Steel at (206) 232-7130(h) if you would like to help with picnic activities.

The **Portland Young Alumni** have many fun activities planned for this summer. Mark your calendar and bring a friend along to all of the Young Alumni events. Club meetings will be held July 10 and Aug. 7 at 6 p.m. in the OSU Portland Center, 837 S.W. 1st Ave. End of the month socials are on June 29, Paddy's Bar and Grill, 65 S.W. Yamhill St.; July 27, Cal's, 5310 S.W. Macadam; Aug. 31, Champion's Bar, S.W. Columbia and Front St. The annual Suds and Sands party will be Friday, Aug. 17, 6 p.m., at Gabriel Park. The second annual wine tour will be July 21 starting at 10 a.m. Bring a picnic lunch and meet in the corner parking lot by Friday's in Washington Square. If you want further information on any Young Alumni event contact President Dennis Brookshire at (503) 667-5695(h).

Oak Meadows Park was the location of the **San Jose** area alumni picnic on May 16. President Byrne, Alumni Director Don Wirth and other University representatives met with over 100 alumni and friends. For information on upcoming activities contact Jacqui Reed at (408) 265-7316(h).

An Oregon State Happy Hour for **Southern California** alumni will be held Friday, July 20 from 5:30-8 p.m. at Champion's Bar in the LAX Marriott Hotel on Century Blvd. The club will sponsor a happy hour every other month and if you would like more information on this activity contact Alice Anne Errell at (213) 391-9878. A summer picnic has been planned for Aug. 19 from 10 a.m. to 3 p.m. at Polliwog Park in Manhattan Beach (the park is between Sepulveda and Aviation Blvd). Hamburgers and hotdogs will be provided; all other picnic supplies are "bring your own." For picnic information contact Karen Unemoto at (213) 546-4344(h), Beth Giers at (213) 376-5355(h) or Sharon Mooers at (714) 730-6935(h). Oct. 27 is the OSU-UCLA football game and a flyer will be mailed in September with information on a pre-game gathering.

## 1991 Travel Preview

|                             |   |                |
|-----------------------------|---|----------------|
| Jan. 27 - Feb. 9            | Kenya Air Safari/Tanzania (13-Day) Intrav           | \$5,149/person |
| Feb. 8 - 19                 | Amazon River Cruise (11-Day) Princess Cruise Line   | \$2,300/person |
| Mar. 13 - 24                | Japan Island Cruise (12-Day) Alumni Holidays        | \$4,395/person |
| Mar. 30 - Apr. 6            | Hilton Head Golf Cruise (7-Day) Clipper Cruise Line | \$2,430/person |
| Apr. 22 - May 5             | Mediterranean Highlights (12-Day) Royal Cruise Line | \$2,729/person |
| July 5 - 18                 | Danube River Cruise (14-Day) Intrav                 | \$3,749/person |
| July 18 - 30<br>(Tentative) | Elbe River Cruise (14-Day) Alumni Holidays          | \$3,750/person |
| August 16 - 29              | Russia Pioneer Cruise (14-Day) Alumni Holidays      | \$3,195/person |
| September                   | China/Yangtze River (17-Day) Intrav                 | \$4,399/person |
| Oct.-Nov.                   | Tiger Tops (Thailand) (19-Day) Intrav               | \$4,999/person |

(Please note tour prices are subject to change due to air tariffs, land costs and currency exchange rates).

For further information, please contact Travel Coordinator Jane Derryberry at the OSU Alumni Office, Memorial Union 103, Corvallis, OR 97331-5003, or phone 503/737-2351. Brochures will become available on some trips by July 15, 1990.

## OSU REUNIONS FALL 1990

October 12-13, 1990 —  
Classes of 1950 and 1960

October 19-20, 1990 —  
Classes of 1965 and 1980  
Homecoming

Further details about reunion activities will be mailed in July. If you have questions, or do not receive the information, please contact the OSU Alumni Office, Memorial Union 103, Corvallis, OR 97331-5003. Phone 503/737-2351.

## Foundation Fundamentals

My term as president of the Oregon State University Foundation is coming to a close. I would like to take this opportunity to share some of the Foundation's accomplishments during the past year and also to express my appreciation for your support of Oregon State University.

The board continued to build on the three objectives established last year by chairman Don Wake. First, we continued to refine our standard operating procedures and define the Foundation's role in a decentralized fund-raising environment. We have nearly completed connecting the Foundation's computer to the University's local area network so all campus fund raisers will be able to communicate by computer and have access to information available in the Foundation and Development offices.

Second, we refined our financial reporting procedures. We expect this new format will present a clearer and more concise picture of the Foundation's financial status. The Foundation's Audit Committee and the accounting staff worked together to implement the new reports.

Third, we continued to define and build our relationship with the Development Office. It has been two years since the functions of the Foundation and the Development Office were separated. It has taken that time to clearly define our respective roles. The Development Office is responsible for encouraging contributions and the Foundation is responsible for receipting and managing the funds received.

When you make a gift to the Foundation to benefit OSU, be sure to make your check payable to the OSU Foundation rather than OSU. This ensures our ability to properly credit your contribution to the Foundation in a timely fashion.

Among the highlights of the last year, the Foundation's assets increased 20.4 percent from \$58.3 million to \$70.2 million. More than \$2 million in unrestricted funds were allocated—\$1.8 million from the Campbell Trust for the Library and the Center for the Humanities and \$200,000 for the President's discretionary projects. In addition, \$500,000 was set aside to

provide the President with an emergency/special needs fund.

It has been a pleasure to serve as president of the Foundation's board of trustees this year and I look forward to continuing my involvement with Oregon State as chairman.

I hope you will continue to support Oregon State University through your membership in the Alumni Association as well as through contributions to the OSU Foundation. Oregon State deserves our continued support.

C.W. "Bill" Knodell  
President, OSU Foundation



Samuel C. Wheeler

## Wheeler Elected OSU Foundation President June 2

The OSU Foundation elected 1990-91 officers at its spring board meeting, held in Corvallis June 2. Samuel C. Wheeler was elected president. Norbert J. Wellman was elected vice president and Kenneth R. Poorman treasurer. C.W. "Bill" Knodell will serve as chairman of the board.

Rounding out the slate are John V. Byrne as secretary, John W. Irving as executive director and Ronald J. Theberge as Chief Financial Officer.

Wheeler, president of Wheeler Lumber Company in Portland, has been an OSU Foundation trustee since 1978. He has served as a member of the Foundation's executive committee, investment committee, FourSight!

steering committee, and life income agreement committee.

Wellman, chairman of the board of Ferguson & Wellman in Portland, has been a Foundation trustee since 1984. He has served as chair of the Foundation's charitable estate planning committee and has been a member of the Presidents Club committee.

Poorman, chairman of the board of Poorman Douglas Corporation in Portland, has been a trustee since 1981. He has served on the Foundation's executive committee as well as on the boards of the Alumni Association and Beaver Club and on the College of Business Advisory Council.

Knodell, who succeeded Don H. Wake as chairman of the board, has been an OSU Foundation trustee since 1977. He has served as a member of the Foundation's executive committee, investment committee and assets policy committee. Knodell is retired executive vice president of Willamette Industries, Inc.

During the board meeting, the Foundation recognized Wake for his service to the board. In his nine years on the board, he has served as treasurer, vice president, president and chairman of the board.

## New Trustees Join Foundation as OSU Advocates

The OSU Foundation elected eleven new trustees at its spring board meeting. The new trustees are: Mary Adams, Corvallis; Herbert A. Aschkenasy, president Oregon Freeze Dry,

Inc., Albany; James Bryson, owner, Star Morning Farm, Newberg; Cecil Drinkward, CEO, Hoffman Construction, Portland; Richard E. Goff, retired managing partner, Deloitte & Touche, Portland; Keith R. McKennon, president, Dow Chemical USA, Midland, Mich.; Ronald T. Miller, retired CEO, Northwest Natural Gas Co., Portland; James K. Neill, Jr., managing partner, Regan Tremaine Kreiger Schmeck & Neill, Portland; Katherine E. Smith, vice president for consumer affairs, Quaker Oats Co., Chicago, Ill.; Herbert Summers, rancher, Corvallis; and Fred E. Trotter, vice president, Campbell Estate, Honolulu, Hawaii.

Trustees are initially elected to serve a three-year term, with the option to serve additional terms. They are expected to attend board meetings, held twice annually, as well as serve on at least one Foundation committee. They are also expected to acquire and maintain a comprehensive knowledge of OSU, its mission, programs, facilities and financial condition. With this knowledge, they serve as advocates for Oregon State, particularly in fund raising.

It is with sadness that the Foundation reports the death of new trustee Herbert E. Summers on June 8, 1990. Summers, who received a bachelors degree in education from OSU in 1934, was a member of the Council of Regents and Beaver Club and served on the board of the E.R. Jackman Foundation. He lived in Corvallis and managed the R.E. Summers Wheat and Cattle Ranch in Gilliam and Wheeler counties.

## OSU Presidents Club

If you are interested in joining the OSU Presidents Club, one of Oregon State University's most prestigious organizations, we would like to advise you that the cost of membership is going up effective July 1, 1990.

### Benefits of membership include:

- A myrtle gavel
- Invitation to the annual Presidents Club black-tie event
- Special University parking permit
- OSU library privileges
- Listing in the OSU Foundation's annual report to donors
- Selected University publications

Currently, you can join the Presidents Club by making an outright gift of \$10,000 or more, in cash, securities or other properties; by making a pledge of \$10,000 or more payable in annual installments of \$1,000 or more (corporate matching gifts can be used to qualify); or by making a deferred gift of \$25,000 or more in the form of a bequest, life insurance policy, or life income agreement.

Beginning July 1, qualification for membership will be with an outright gift of \$25,000 or more; with a pledge of \$25,000 or more payable in annual installments of \$1,000 or more (corporate matching gifts will qualify); or with a deferred gift of \$50,000 or more.

If you are interested in joining the OSU Presidents Club, we urge you to consider membership now. Call Beverley Beckley or Marilyn Sarff at 503-737-4218 before July 1.

## OSU Fund Gifts Are Up

The 1989-90 fiscal year is coming to a close and the annual giving program results look promising. If the rate at which we have been receiving gifts continues, the OSU Fund will have an increase over last year's dollars and donors. The 1989-90 OSU Foundation Annual Report and Honor Roll of Donors will print the results along with the list of generous donors in the fall of 1990. The impact of those gifts has been OSU students and faculty benefitting from programs funded by private dollars.

As the fiscal year ends, the OSU Fund wants to relay the following for your information:

• Gifts made to the OSU Fund can support any program on the campus. So, in a way, you have control over who benefits from your contributions.

• Gifts received by July 1, 1990 will be processed for the 1989-90 fiscal year. Those donors will be recognized in the annual report. If you want your name on that list of generous donors to OSU then, send in your gift today.

• Checks to the OSU Fund should be made out to the **OSU Fund** or to the **OSU Foundation**, NOT OSU. Checks made out to OSU are required by law to be processed by the University Business Office and not the OSU Foundation Gift Processing Office.

The OSU Fund staff seeks your comments to improve the University's annual giving programs. If you have any feedback, please contact the director, Erin Haynes, or the volunteer chair of the annual giving advisory committee, Kathy Kennedy Ellis, '62, at the OSU Development Office, Snell Hall 517, Corvallis, OR 97331-1650; (503) 737-4218.

# NEWS FROM CLASSMATES & FRIENDS

## '40s

**Helen Morris Haslett**, '41, and her husband are retired and living in Lincoln City. They spend part of the year in Tucson, Ariz., and take many trips throughout the West and within Arizona. Helen enjoys sports and physical fitness activities as well as writing for publications.

**Jean McKinney Griffith**, '44, lives in Portland where she continues to work part time for a semi-retired public accountant who is 91 years old and still goes to his office every day. She is also active in church financial affairs and gardening.

**Robert Paul Knoll**, '48, who is retired and living in Mercer Island, Wash., keeps busy by editing three newsletters and working in various volunteer projects.

**Arthur Hitsman**, '49, has been promoted from executive vice president to president of Boeing Aerospace & Electronics in Bellevue, Wash. He and his family live in Kent, Wash.

**John C. Campbell**, '49, spends the winter months in Apache Junction, Ariz., and the summer season at Hoodport, Wash. He is retired from the School of Engineering at OSU after serving as a member of the faculty for 37 years. Campbell recently wrote a book, "History of Wilsey and Morris County, Kansas."

**Sid Lasswell**, '49, senior vice president at CH2M Hill in Corvallis, is retiring but will continue to work nearly full time as principal engineer in charge of the Milwaukee Water Pollution Abatement Program in Milwaukee, Wis.

## '50s

Recently retiring in Albany was **Elmer Kyle**, '50, whose Phil Small Store for Men will stay open and remain in the family since his wife is taking over management. He was in partnership with the late Phil Small until 10 years ago when he became sole owner of the Albany store.

**Ken Bielman**, '50, and **Fred Harem**, '50, are retiring as senior vice presidents of CH2M Hill in Corvallis although both will remain partly active in the business. Bielman will continue as a consultant on international operations, and Harem, who managed design of the wastewater treatment project for Alexandria, Egypt, and a nationwide water supply system project for Trinidad, will continue as a consultant.

**Wallace "Bud" Gibbs**, '50 is retiring in June after serving 32 years at OSU as registrar and director of admissions. He and his wife, **Anita Miller Gibbs**, '52, will continue to live in Corvallis.

**Donald Amacher**, '51, is president of Amacher & Company, a commercial real estate brokerage company in Eugene managing about 215,000 square feet of office space.

**George Strudgeon**, '51, has semi-retired as a professional engineer although he is still doing consulting work. He and his wife live in Alliance, Ohio, and recently purchased a True Value Hardware store.

Vacationing in southern California in April were seven Kappas from the Class of 1952. Driving down to Rancho Mirage from Oregon were **Barbara Cummins Bullier** and **Janice Van Cleef Koster** of Beaverton, **Reta Adams Earhart** of Lake Oswego, and **Jean Pickens Eggers** of Corvallis. Their destination was the home of **Mary Jean Anderson Webb**, and flying in were **Janet Schadewitz Lawhun** from Reno

and **Nancy Snyder White** from Redmond, Wash.



**Barbara Watt Dixon**, '52, assistant to the vice president of instruction at Linn-Benton Community College, recently received two statewide honors. She was named the 1990 Oregon Vocational Education Administrator by the State Board of Education and Vocational Administrator of the Year by the Oregon Council of Career and Vocational Administrators.

**James W. Poirot**, '53, chairman of the board for CH2M Hill in Aurora, Colo., recently received the American Society of Civil Engineers' 1989 John I. Parcel-Lewis J. Sverdrup Civil Engineering Management Award.

**David L. Evers**, '54, retired from the Federal Highway Administration in June of 1989 and is living in Fair Oaks, Calif.

**John DeZell**, '56, sold life insurance for 22 years and is now practicing law in a partnership in Medford. He and his wife also operate a small horse ranch north of Central Point.

**Hugh P. Stanley**, '58, and his wife, **Marjory Miller Stanley**, '57, have moved to Friday Harbor, Wash., since his recent retirement from the Department of Biology at Utah State University. He had worked there for 23 years.

Still spending summers playing "farmer" on her five acres is **Carole M. Kennedy**, '58, who is a physical education teacher at Scenic Junior High School in Central Point.

**Kenneth W. Notebloom**, '59, has been appointed assistant vice president/commercial loan officer at First Interstate Bank of Idaho's West Valley Commercial Banking Center in Caldwell.

A former lumber company operator, **Ruth Jones**, '59, of Corvallis, is now operator of Mother Jones' Kitchen, which produces a special barbecue and marinade sauce, and a cruise director for Jim Barratt Tours of Corvallis.

Dr. **Christian Bonte-Friedheim**, '59, after serving with the Food and Agriculture Organization of the UN for two decades, is now the International Service for National Agricultural Research's new director general in The Hague, Netherlands. Mrs. Bonte-Friedheim is the former **Judith Coleman**, '61.

## '60s

**Chris Maser**, '62, an ecologist who has had a career in the Bureau of Land Management, has founded Sustainable Forestry, a forest management consulting business in Taos, N.M. He wrote "The Redesign Forest" in 1988 and recently wrote a new book, "Forest Primeval."

**Michael L. Burton**, '63, of Portland represents District 17 in the Oregon Legislature. He is a member of the legislative rules, operations and reform committee, member of the Emergency Board and Speaker Pro-tem, as well as serving on other committees and councils.

**Thomas H. DeArmond**, '64, lives in Hubbard where he runs Oregon Turf Farms.

**Felizitas M. Bone**, '64, now lives in Sierra Vista, Ariz., and does a lot of traveling with her husband, Dr. **Jesse F. Bone**, '53. They also maintain an apartment in St. Kitts, West Indies.

**Mike Kemp**, '64, works as a district biologist for the Oregon Department of Fish and Wildlife in Union County where he has developed the Ladd Marsh Wildlife Area and now devotes himself to deer and elk management.

**Jerrolyn Palmer Shea**, '65, is employed as a fourth-grade teacher at Leggett School in Leggett, Texas. She lives in Lufkin, Texas.

**Michael S. Waverly**, '65, is a division manager for the Masonite Corporation in Raleigh, N.C. His home is in Cary, N.C.

**Rosalie Hill Isom**, '67, is a freelance writer and editor of the Vail Valley Magazine, a publication for the Colorado ski resorts of Vail and Beaver Creek.

**Linda Cave Bolich**, '67, currently a mathematics teacher at Lakenheath High School in Suffolk, England, recently received a 1989 Presidential Award for Excellence in Mathematics Teaching.

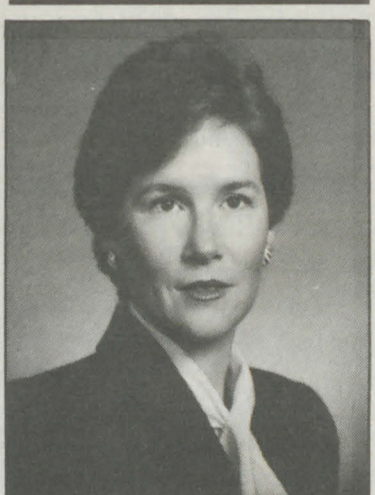
Dr. **Shirley Holwegner Peterson**, '68, who received her doctorate in clinical psychology from the Fielding Institute in Santa Barbara, has opened an office of clinical and educational psychology in Victorville, Calif.

A general contractor for nearly 10 years, **Jose Cruz Jr.**, '68, has a new career in importing and exporting, selling alder lumber to a furniture manufacturer in Mexico and marble from Mexico to buyers in the Northwest. He lives in Portland.

**Karen Eggmann Schwartz**, '68, who makes her home in Portland, is a teacher at King School in Oregon City.

**Thomas R. Fries**, '69, president of Talbott Associates Inc. in Portland, was a presenter at the 1990 Institute of Police Technology and Management at a University of North Florida seminar entitled "Special Problems in Traffic Accident Reconstruction" held this April in Jacksonville, Fla.

## '70



**Helene McFadden Becker**, a graphic designer in the Northwest Regional Office of State Farm Insurance Co. in Albany, has been awarded the Certificate in General Insurance by the Insurance Institute of America.

**Linda Fryberger Bowthorpe** works as a legislative aide for the Alaska State Legislature. She lives in Juneau.

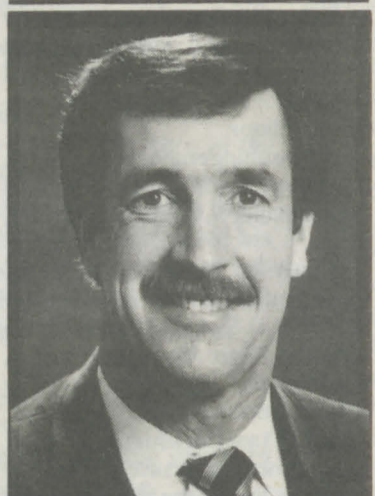
**Steven B. Jansen**, who received a master's degree from the University of Southern California in 1984, is now working as a pilot for American Airlines out of Los Angeles. He and his wife live in Coos Bay.

**Bruce Andrews** has been appointed director of the Department of Agriculture for the State of Oregon by Gov. Neil Goldschmidt. He and his wife, **Terrie Gross Andrews**, '70, formerly operated a seed and grain farm near LaGrande.

Dr. **Walter W. Laity**, who joined Battelle in Richland, Wash., in 1974, has been appointed manager of

the Materials and Chemical Sciences Center at Battelle's Pacific Northwest Laboratories.

## '71



**Craig Hanneman** has joined Willamette Industries in the newly-created position of governmental affairs manager and will be their principal link with the Oregon State Legislature. He previously served as administrator of Oregon Agri-Services and the Oregon Sweet Cherry Commission.

Cdr. **Lee W. Champagne**, who returned from two years in Saudi Arabia in 1989 and recently attended classes in Rhode Island, is in command of the USS Callaghan, a guided missile destroyer, in Long Beach, Calif.

## '72

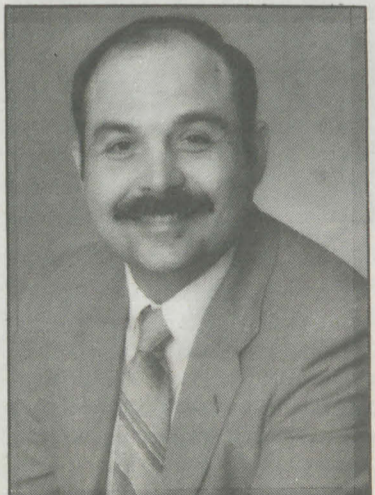
**Sharon Burns Campbell** lives with her husband and four children in Fairbanks, Alaska, and works part-time for Curtis & Campbell.

## '73

The dean of the University of the Pacific School of Engineering in Stockton, Calif., **Robert E. Hamernik**, has been named Engineer of the Year by the San Joaquin Engineers Joint Council. Hamernik also is a consultant for Gamayo, Sanchez & Associates, a structural engineering firm.

**Bill Nickleberry** is the new state lands manager for the Department of General Services and is establishing a public lands management clearinghouse to market and dispose of public lands to increase revenue for the state.

**David E. Hall**, instructor in agricultural and extension education at Penn State's College of Agriculture, recently received the 1990 Excellence in Advising Award at the annual awards convocation.



**James R. Barnes** of Lebanon has been promoted to chief log buyer at Willamette Industries' Albany administrative office.

## '74

**J. Kerby Anderson** is executive vice president of Probe Ministries Inc., a ministry to businessmen and collegians based in Dallas, Texas. A nationally syndicated columnist and radio talk show host, he lec-

tures regularly on university campuses.

**Greg Pilcher**, general manager of Iseli Nursery Inc., in Boring, recently provided a \$1,000 scholarship for the College of Agricultural Sciences in memory of his grandparents, Murrel and Vera Gilkey. Iseli Nursery also provides an annual tuition scholarship for a horticulture student.

**Nancy Jo Lofstedt Morterud** lives in Milwaukie and is a manager for U.S. West Communications in Portland.

Now working for Kaiser Permanente Clinic on the island of Maui is **Molly Jeanine Oliva Hayashi**, who lives in Wailuku, Maui, Hawaii.

**John Franklin Palm** is employed as office manager/vice president of Palm Abrasive & Tool Inc., in Portland. He lives in Tigard.

## '75

**Renee Berg Nunamaker** works as a business administrator at a Presbyterian church and is helping with fund raising for a new public library wing and the local public television auction in Pullman, Wash.

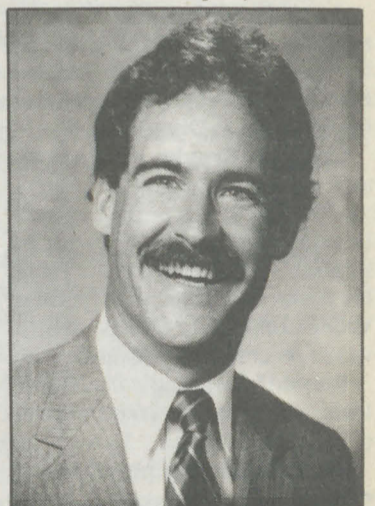
**Ann Crisp Smart**, founding president of Oregon Coast Community College Service District, is currently serving as interim vice president for instruction at Linn-Benton Community College in Albany.

Dr. **William G. Stroop** has been named an associate professor of ophthalmology and molecular virology at Baylor College of Medicine and an associate career scientist at the Houston Veterans Administration Medical Center.

**Ronald A. Willett** and his wife, **Sydney Hazen Willett**, are cross cultural Christian workers living in Taichung, Taiwan, and have been responsible for starting a new church there. Willett also serves on the board of directors for Morrison Christian Academy.

**Daren E. Filosi** is a dairy farmer operating the Moss Creek Valley Dairy in Bay City, and his wife, **Terri Ann Filosi**, '82, is a practicing accountant.

A resident of Meridian, Idaho, **Rolland R. Meegorden** works for Idaho Power Company in Boise.



**Patrick J. Collins**, office sales and leasing specialist and a charter member of Coldwell Banker Commercial Real Estate Services Bakersfield office, has been named an associate vice president by the national real estate service firm.

## '76

**Leslie M. Hickerson** received a master's degree from the University of Arizona last December and is now employed with the U.S. Forest Service as Cannell Meadow District archaeologist in the Sequoia National Forest, Kernville, Calif.

**Thomas Bernard Moore** and his wife of Salem, have a two-and-a-half-year-old son, Matthew, and a nine-month-old son, Ryan.

**Ruth Mays Thomas** is assistant vice president at Fitzgerald Mercy Hospital in the Mercy Catholic Medical Center in Darby, Pa.

Working as a dietitian at Good Samaritan Hospital in Portland is **Ann Marie Dustrude**, who lives in Beaverton.

Dr. **Jewell Manspeaker** is president of Grays Harbor College in Aberdeen, Wash., and is also active on the board of directors of the Grays Harbor Chamber of Commerce and various community and educational organizations.

**Molly O'Hearn Asbahr** has been appointed branch manager for the OSU Federal Credit Union's Timberhill branch office in Corvallis, which will be open in June. She is working toward her master's degree in business administration in the Oregon Executive MBA program.

**Craig Ely** has been named a Oregon Department of Fish and Wildlife Northeast Region assistant supervisor in LaGrande and will oversee the wildlife programs in the region.

**Randall Purkey** has moved from Albany to Lusaka, Zambia, where he is now working as assistant general manager for the Unified Chemical Company, Ltd.

**Jeanne Kingsley Goldbloom** is working for the Lake Washington School District assisting special-needs children, and her husband, **Edward V. Goldbloom**, is a computer analyst for U.S. West in Redmond, Wash.

## '77

**Mary Jeanne McCabe Matzner** worked as an exporter in Portland until her 1988 marriage and move to Stuttgart, West Germany, where she works for Emery Worldwide in export sales for Porsche shipments to the United States.

**Steve Williams** has been named a Oregon Department of Fish and Wildlife Northeast Region assistant supervisor in LaGrande and will oversee the fisheries programs in the region.

## '78

Dr. **Marvin Duane Nellis** of Manhattan, Kan., was recently elected president of the Kansas Academy of Science.

Currently doing post-doctoral research at the Cold Spring Harbor Institute in New York is Dr. **Denise Elaine Roberts**. She and her husband live in Dix Hills, N.Y.

**Christine Krygier**, who recently took the job of assistant state director for the Oregon Small Business Development Center Network in Eugene, helped develop the Profit Improvement Program at Treasure Valley Community College, which won a recent Leavey Award.

**Ronald L. Berning** lives in Boise, Idaho, where he is owner/operator of The Yogurt Way.

**Jay R. Smith**, vice president and manager of Talbot Associates Inc., in Anchorage, Alaska, was a presenter at the 1990 Institute of Police Technology and Management at a University of North Florida seminar entitled "Special Problems in Traffic Accident Reconstruction" held in Jacksonville, Fla.

## '79

**Cameron K. McClintic** lives in Sydney, Australia, where he is the owner of CINTEC (computer aided design).

Now operating Jeanne Roth Interiors in Albany is **Jeanne Summers Roth**.

**Mary Beth Flaherty Cornell** is a third-grade teacher for the Harney County School District #3 in Burns. She and her husband live in Hines.

Dr. **Ember Ann Skidmore** is the pharmacy/clinical coordinator at Montefiore Medical Center in the

Bronx, N.Y. She makes her home in Yonkers.

## '80

**Peter Charles Sikora** is manager of forest land valuation and transactions for the International Paper Company. He and his wife live in Elkton.

A consulting engineer, **Daniel R. Hardesty** is working for ESSI based in Asheville, N.C. He lives in Cary, N.C.

**Dean H. Erhard** is a range conservationist/data base manager for the U.S. Forest Service in Douglas, Wyo. His wife, **Joyce P. Housden**, '75, is a range conservationist/minerals specialist.

Lt. **Lee Lyn Cornforth** is a doctor of optometry and currently head of the Eye Clinic at the Naval Hospital in Oak Harbor, Wash.

**Susan Singer Rothman** is a human resource consultant to Sacred Heart General Hospital in Eugene and commutes to Salem two days a week as a group counselor for Optifast at Salem Hospital.

**Charles A. Rowles**, who has been working in Texas and central California for the past six years, has joined Sun Country Engineering and Surveying Inc., in Bend.

Jamin Robert Burson was born last Sept. 24 to **Lisa MacDonald Burson** and her husband, of Gresham. He is their second child.

**Jerral S. Sapienza** is president/corporate poet for Lifelong Learning Excellence, a personal and business growth business, in Eugene.

**Berry J. Winstead** was recently promoted to regional production engineer for the Meridian Oil Company in Denver, Colo. He lives in Englewood, Colo.

## '81

**Jeanette Johnson Dardel** lives in Nantes, France, where she is the mother of two and a part-time English teacher for the Nantes Chamber of Commerce. Her husband works for IBM France as a marketing representative.

**Sharon Lindsey Grafham** of Mill Creek, Wash., had a new baby daughter, Laura Grace, on Feb. 6, 1989. Her husband is the administrative division manager for Allstate Insurance Company in Seattle.



**Sally Owens Moore** has been promoted to assistant vice president and marketing officer of Key Bank's Marketing Department in Portland.

**Carol A. Wardrop**, who returned last year from a short-term mission to Bangkok, hopes to go overseas again soon as a missionary. Meanwhile, she is living in Corvallis and working as a financial aid advisor at OSU.

**Casey Gilbert Brown** is a firefighter in the Deschutes National Forest in Crescent. He lives in Gilchrist.

Working as an accounting assistant in Tigard is **Dionnie Francis Storino**.

## '82

**Steven Brian Carper** works as a supervisor for the J.R. Simplot Company in Hermiston.

**Leslie Anne Jonsrud Anderson** is a registered nurse and homemaker living in Milwaukie.

**Gary J. Albert** is working as an electrical engineer for Flight Dynamics in Tigard.

## '83

Accepting a new job recently was **David Paul Burger**, who is now a food technologist and product developer in Ballarat, Victoria, Australia.

Lt. **Gilbert Boswell** has been transferred by the U.S. Navy from Diego Garcia, British Indian Ocean Territory, to Rota, Spain.

**Dennis P. Redmond** works as an electrical engineer in the Laser Optical Division of Hughes Aircraft Company. He lives in LaMirada, Calif.

**Wendy Rogers Mosbaugh** lives in Tigard and is an account manager with the Rollins Leasing Corporation.

Dr. **Ann E. Hercher** is a physician finishing residency in internal medicine at Good Samaritan Hospital in Portland.

Working as a medical technologist for Interpath Laboratory Inc., in Pendleton is **Ruth Knerr Baum**.

**Tony Franciscone** is an industrial technology and certified construction vocational education teacher at Portland's Franklin High School.

A self-employed rancher at McCormack & Sons is **Jeffrey Charles McCormack**, who lives in Prineville.

**Ember Lee Crippen** is employed as a teacher in the Palos Verdes School System. She lives in Torrance, Calif.

**Pamela Hutchinson Bielenberg** is owner of a photo/video business, Insight Media, in Corvallis, and her husband, **Chris Bielenberg**, is facilities manager for Benton County.

**Jon P. Witte** is a telecommunications specialist for the PayLess corporate offices in Wilsonville. He and his family live in West Linn.

Currently working as a production engineer for the Columbia Aluminum Corporation is **Tony Franz Neff** of Lyle, Wash.

**David Leonard Akerson** of Aloha works in the Trust Department of the U.S. National Bank in Portland.

## '84

**Todd Owen Stevens** earned his Ph.D. in microbiology from the University of Idaho recently and has accepted a job at Battelle's Northwest Laboratories on the Hanford Nuclear Project near Richland, Wash.

Lt. Col. **J. Doug Ripley** is serving as senior staff biologist for Headquarters USAF Environmental Division, The Pentagon, Washington, D.C. He lives in Dunkirk, Md.

**Kanzo Hara** has moved from Seattle to San Jose, Calif., where he has taken a new position with a small software company.

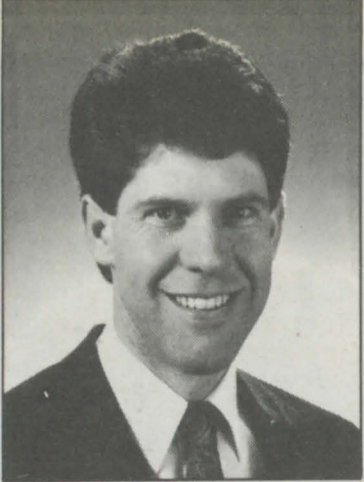
Capt. **Douglas L. Seal** recently reported for duty at the Marine Corps Recruit Depot in San Diego, Calif.

**Michelle Petersen Summers** graduated from dental school in June of 1988, was married last September and is now practicing dentistry in Edmonds, Wash.

In January **Lori Pankratz** was promoted to advertising specialist at Nationwide Insurance Company in Portland. She lives in Milwaukie.

**Anne Marie Rotolo** works as a landscape designer for Beighley & Associates in Portland.

Working as a supervisor at the StoneRidge Center in Bloomington, Ind., is **Mark A. Raleigh**.



**Jared Smith** has joined the Bellevue office of David Evans and Associates Inc., where he will serve as a project manager and Intergraph systems specialist for transportation engineering projects.

**Kelly J. Callahan** is employed as a typographer for the Pip Printing Company in Spokane, Wash.

**Ann Marie Eldredge** has been promoted to assistant vice president and commercial real estate loan officer for Security Pacific Bank Oregon's Real Estate Industries Group in Portland.

**Lisa Wanek Scarcelli** works in sales marketing for Cash Lewis in San Diego, Calif.

Dr. **Scott M. Walters** is an optometrist with the optical firm of Drs. Hamada, Masti & Walters in Grants Pass.

**Todd P. Duncan** works as a professional musician for Krazed Music Ltd., in Beaverton. He lives in Portland.

Currently a travel agent for Travelwise is **Gwen Smith Rowe** of Portland.

**Andrea M. Abraham** is employed as an elementary teacher at Chief Joseph Elementary School in Portland.

**John F. Sneed** is working on a master's degree in public administration at Portland State University and is also a company commander in the Oregon National Guard.

## '85

**Wendy K. Riley** is working temporarily in New York as a nanny while awaiting interviews with an airline as a flight attendant.

**James D. Fisher** is assistant manager at Jim Fisher Volvo in Portland. His wife, **Julie Gesley**, '87, works as a nurse.

**Laura Buckinger LeVigne** is employed as a service manager for Frederick & Nelson in Seattle, Wash., and **Todd W. LeVigne** is a defense contract auditor there.

Working as a veterinarian at an animal clinic in Antioch, Calif., is Dr. **Darrell R. Berry**.

**Peter S. Norton** is working as an engineer at Orenco Systems Inc., in Roseburg.

Capt. **David G. Klock** of the U.S. Army is a medical intern at Madigan Hospital in Tacoma, Wash.

**Shelley C. Wagner** works as a financial analyst for Intel Corporation in Portland. She makes her home in Aloha.

**Scott Aric Johnson** is district manager for Graco Inc., in Seattle, Wash. **Virginia Sperry Johnson** works in cellular acquisitions for McCaw Communications and won the "Circle of Excellence" award for the second consecutive year.

**Kristina L. Mack** of New York City has changed her job from product management in publishing to working in account sales in promotional advertising at Warren, Gorham & Lamont Inc., in Boston, Mass.

Still working for Hewlett-Packard in Fort Collins, Colo., as a hardware design engineer is **Vinh Huu Nguyen**.

**Angela C. Rodrigues** was transferred from Portland to St. Louis, Mo., in 1988 and is working as a credit supervisor for GMAC there.

Capt. **J. Mark Del Grande** is now a research engineer in the high power microwave program at the weapons laboratory at Kirtland AFB, N.M.

Lt. **Joel T. Wilkins** is living in Long Beach, Calif., while stationed at the naval station there for duty aboard the USS Mobile (LKA-115).

**Michael G. Clark** and his wife, **Judith Pohl Clark**, of King of Prussia, Pa., had a baby boy, Jeffrey Ryan, on Oct. 8.

**David K. A. Mensah**, who received a master's degree at Yale Divinity School in 1989, is on the staff at Yale Medical School in the Child Psychiatry Department and working towards a Ph.D. in psychology.

Working as an independent language teacher in Tokyo, Japan, is **Eleanor A. Zimick**.

**Brian S. Thompson** is a rancher and registered sheep grower for Thompson Rambouillet in Heppner.

**Dolaine M. Osborne** is working for the Pacific Mutual Insurance Co. in Long Beach, Calif.

Living in Kansas City, Mo., is **Martin B. Jetton**, who does statistics for Hallmark Cards.

**Robert A. Biggs** works as a consulting forester for the R & R Forest Contracting Company in the Portland area.

**Jennifer Gerl Leeden** is a residential mortgage processor, and her husband, **Benedict J. Leeden**, is a purchasing agent for Merlino's Macaroni Co. They live in Kent, Wash.

**Leslie Goracke Lewis** is a homemaker at L3 Farms Inc., in Halsey and is a fitness leader at the Mid-Willamette Valley YMCA in Albany.

**Mark C. Stewart** is a second grade teacher in the Anchorage School District in Alaska.

Now living in Portland is **Scott M. Baumgartner**, who is a teacher at Central Catholic High School.

**Dean M. Christiansen** is employed as assistant corporate production manager for Norpac Foods Inc., in Stayton.

**David S. Princehouse** of Portland is currently working on a master's degree in geology at OSU.

**Timothy Lee Rice** is a certified public accountant at the CPA firm of Sundbueg, Rauch & Benneth in Lebanon.

**Christopher J. Ulum** is attending graduate school working on a master's degree in business at Duke University in Durham, S.C.

A nuclear medical technologist, **Judy Ann Williams** works at the Veterans Administration Medical Center in Portland.

**Susan P. Nielsen** received her master of library and information science degree at the University of Michigan in 1988 and is now working as librarian for AMGEN in Thousand Oaks, Calif.

**David C. Phipps** is working as area manager for Northwest Landscape Industries in Tigard.

**John Robert Payne** lives in Laguna Hills, Calif., and works as product manager for ORMCO Corp. in Glendora, Calif.

## '86

First Lt. **Myles S. Grant**, platoon leader of a light general purpose signal platoon at Ft. Ord, Calif., received the Army Achievement Medal recently.

**Jill Swift Bolliger** is working for the U.S. Department of Agriculture as a meat grader in Grand Island, Neb.

**Wynona G. Tilton** has been the office accountant and system administrator for the law firm of Ringo & Stuber in Corvallis for the past three years and was recently named "most valuable member" by the Salem area chapter of the National Association of Accountants.

**Scott Negeker** is a new employee of Anderson-Perry & Associates Inc., in LaGrande. He has been hired as a staff engineer.

**Rose Marie Rotolo** is living in Carmichael, Calif., where she is manager of a health club.

**Carol A. Steiger** is in charge of apparel production schedules for Nike in Beaverton. She lives in Tigard.

**Karen Dee Kuhn** of Lake Oswego has the job of marketing director for Spectrum Studios in Portland.

**Brian G. Calmer** is supervisor of office services for Shell Oil Company's Wood River Manufacturing plant in Florissant, Mo., and **Jayne Weinstein Calmer** works in the accounting division of Commerce Bank.

Now living in Pilot Rock is **Gregory D. Whitten** who teaches at Pilot Rock High School.

**Karen Jean Mills** works as store manager of Koala Blue in the Pioneer Place store in Portland.

**Joseph M. Brunner** is sales executive for OR CAL Chemicals in Eugene, and **Jeanne Brunner** works as director of sales at the Red Lion Inns. They live in Springfield.

**Garth Brian Rouse** of Turner is manager/owner of the Pension Administration Company and does benefit designs for the Garth T. Rouse & Associates Insurance Co. in Salem.

Lt. j.g. **James L. Feldkamp** of the U.S. Navy, is stationed in Japan and flies in an AE6B off the USS Midway.

**John Patrick Bigelow** is a biologist for the U. S. Fish & Wildlife's Willow Beach Fishery in Willow Beach, Ariz.

A resident of Albany, **Peggy Spiruta Miller** works as personnel administrator for Covalt Enterprises Inc.

**Shirley Mae Rech** is employed as a forester in the Mad River Ranger District in Carlotia, Calif.

**Charles Peter O'Neil** is a financial analyst for Electronic Data Systems in Dallas, Texas, and **Kimberly Pitt O'Neil**, '87, works as an occupational therapist.

After his June graduation from the Oregon Health Sciences University in Portland, **Kevin R. Carpenter** will begin a residency at Egland AFB in Sarasota, Fla.

**Richard S. Greenup** is assistant manager of the men's shoes department at Nordstrom's, The Main Place, in Santa Ana, Calif.

**Rhonda Coston Capra** lives in Philadelphia where she works for the city parks department, and **James Capra** is employed by the U.S. Park Service in Independence Hall.

**Steven B. Karras** and his wife, **Valerie Edwards Karras**, '89, live in Blacksburg, Va., where they are both veterinarians.

**Rebecca J. Mauritson**, who completed her MBA in 1989 at UNLV and was a Hilton Distinguished Graduate assistant, has accepted a position in the management development program at FHP Inc., a health care provider based in Fountain Valley, Calif.

**Rachel R. Dunn** was recently awarded an M.D. degree from Baylor College of Medicine in Houston, Texas, and has been accepted into an anesthesiology residency program in Albuquerque, N.M.

Working as specifications editor for CH2M Hill in Reston, Va., is **Cheryl Crowover**.

**Walter Bitz** lives in Corvallis where he teaches mathematics and coaches soccer at Crescent Valley High School.

**Cheryl A. Hatch** has been working as a part-time photographer at Reuters news picture service in Cairo, Egypt since May 1989. She works with the chief photographer and others to cover news and features in Egypt and the surrounding region plus the presidency where she has met some important dignitaries. Hatch also freelances, and her photos have appeared in numerous European magazines.

## '87

**Rene Christie Leland** works as a bookkeeper for Watters Concrete Products Inc., in St. Helens.

**Carolyn Jean Rohde** is employed as an accountant for Byers, Newmayer & Bradford in The Dalles.

Now living in Moscow, Idaho, is **Steven R. Ellisen**, who works for Campus Crusade for Christ.

**Lynn Felton** is an international video journalist for CNN Television headquartered in Atlanta, Ga.

**Sandra Kay Louie** of Portland is working for Rundel Products Inc., in the accounts payable/payroll department.

**Darin James Dooley** is living in Japan where he is a teacher at the World Language Institute and also models.

**Bruce W. McGaffey** is a computer programmer for Consolidated Freightways in Portland, and his wife, **Lisa Stager McGaffey**, '88, is a pharmacist at PayLess Drugs.

Working as the Clinique beauty advisor at Washington Square's Meier & Frank store is **Christena Kay Keller**.

**Janet Jacobson Calhoun** is a registered dietitian at the Diabetes Treatment Center of America, Providence Medical Center, in Portland. Her husband, **Jack Kevin Calhoun**, '86, is president of Ramp Specialties.

**Gifford A. Beuker** is public relations account executive at Kobasic, Harris & Savage in Portland.

**Robert Paul Miller** is working as a geologist for BP Exploration Company in Anchorage, Alaska.

**Glenda Lea Madden** lives in Corvallis while she is a graduate student in the Department of Human Development and Family Science, College of Home Economics.

**Selina Lozier Hewitt** is attending Pepperdine School of Law in Malibu, Calif., and her husband, **John Hewitt** works for the corporate offices of Volkswagen in Westlake Village.

Marine First Lt. **David R. Goodell** recently reported for duty with the 3rd Marine Aircraft Wing, Marine Corps Base, Camp Pendleton, Calif.

Now living in Tokyo, Japan, is **Stephen C. Halvorson**, who is working as an English teacher.

**Sarah Dehlinger Flesher** and **Dave Flesher** of Idaho Falls, Idaho sent the Stater a great picture of three-month-old Andrew David Flesher sitting in his infant seat dressed in an orange Oregon State sweatshirt. The picture was one of 10 finalists in the recent Idaho Falls "Most Delightful Baby" contest.

Unfortunately, we can't print it since Andrew is not yet an OSU grad! Andrew's other connections to OSU are grandfather **Charles Dehlinger**, '63, grandmother **Barbara Anderson Dehlinger**, '65, great-grandmother **Stella Stuck Dehlinger**, '39, and great-grandfather (the late) **Robert Dehlinger**, '39. Great-grandfather Donald E. Anderson was a professor emeritus here for many years.

## '88

**Lester E. Scofield** is a realtor and contractor with Alameda Realty Company in Portland.

**Colleen Ann Allmaras** joined the Peace Corps in July of 1988 and is serving a two-year stint in Ghana, West Africa.

**Daniel James Beisel** is living in Seattle where he is an accountant/legal assistant at the Chateau Ste. Michelle.

**Julie Lynn Carter** is a network account executive for A T & T in Portland.

**James D. Jetton** is serving in the Peace Corps in Kwale, Kenya, until September of 1990.

Now living in Walla Walla, Wash., is **Scott Robert English**, who is a forestry technician for the U.S. Forest Service.

**Michaela M. Davis Oefelein** is attending graduate school at Texas A & I University while her husband, **William A. Oefelein**, is stationed at the Naval Air Station in Kingsville, Texas.

**Randall John Collis** is employed as an account executive for Dean Witter Reynolds Inc., in Eugene.

A Newberg resident, **Frank Robert Nasby** works as a forest engineer for Stemson Lumber Co., and his wife, **Lisa Falleur Nasby**, works at Key Bank.

**Michael A. Forncrook** is a page at NBC Television Studios in Burbank, Calif.

Engineer **John Nepal Crippen** is a volunteer with the Peace Corps serving in Kathmanou, Nepal, Asia.

**Gregg Newton** is a contract photographer for Reuters International News Service covering Latin America and based in Brasilia, Brazil. He has worked as a correspondent since May 1989 in Brazil.

**Tyler Alan McAllister** lives in Springfield and works as a sales representative for Lane Parts Company in Eugene.

**Darren Eugene Lee** of McMinnville is a project engineer for the Slayden Construction Co. of Stayton.

Working as a field engineer for CRSS in Wasco, Calif., is **Edward Leo Trotter**.

**Mark Andrew Reser** is assistant plant manager/production coordinator at Reser's Fine Foods Inc., in Beaverton, and **Laurie Davidson Reser**, '87, works as a programmer analyst.

**Stephen Michael Miller** is completing his second year of medical school at St. Louis University in St. Louis, Mo.

**Todd W. Friedrich** is a development analyst for TDE (software support systems) in Wilsonville. He lives in Molalla.

Living in Gresham is **Daniel James Dunstan**, who works as bindery supervisor for the Norwest Publishing Co. in Portland.

**Gregg Taylor Spencer** is post production planning analyst for Boeing in Seattle. He makes his home in Kirkland, Wash.

**Trenda Olliff Locke** is a physical education teacher at Lake Labish Elementary School in Salem, and **Greg Locke** is a civil engineer at Youngman Engineering there.

**Jeffrey P. Telgenhoff** works with landscape design and maintenance for Pacific Landscape Associates in Snohomish, Wash.

Currently living in Seattle are **Kurt James Straube**, who is a sales consultant, and **Karla Harrison Straube**, who is a legal assistant and assistant office manager.

**John Eric Nibler** of Long Beach, Calif., is working as an engineer for Charles Pankow Inc., in Altadena, Calif.

**Nancy Ann Olson** works as a landscape and architectural designer for the H. D. Fowler Company in Clackamas. She lives in Gresham.

**Sonia Stern Niebergall** is a retail manager at J.C. Penney Co. Inc. in Portland. She and her husband, **Pete Niebergall**, live in Tualatin.

**Karen Marie Simmons** is a sales representative for the Danzas Corporation in Portland, and her husband, **Daisuke David Nakajima**, '89, is a salesman/broker. They live in Lake Oswego.

**James Alan Rodgers** is employed by the Marriott Hotel in Portland, and **Shena Hannah Rodgers** works as a recreation leader.

**Susan Lynn Banford** is working as a claims adjuster for the SAIF Corporation in Portland. She makes her home in Tigard.

Currently working at Nordstrom's Point of View Department in Lynnwood, Wash., is **Kelley Marie Kirsch**. She lives in Mill Creek, Wash.

**Kerry William Baker** is employed as an assistant in corporate banking at The Bank of Tokyo Ltd., Seattle branch.

**Christopher M. Neathamer** works in sales for the Massachusetts Mutual Life Insurance Co. in Portland, and **Jennifer Fenton Neathamer**, '86, is a client services representative.

**Linda Harrell Mack** lives in Montrose, Colo., where she and her husband own a jewelry store, J L Fine Jewelers.

**William Todd Noce** is a project engineer for Mason Industries Inc., in Anaheim, Calif. His residence is in Torrance, Calif.

Working as a systems engineer for Electronic Data Systems is **Todd Matthew Dodson** of Dallas, Texas.

**Laura Hartshorne Dodson**, '89, works as a computer operator for the same company.

**Karen Jones Wooley** is living in Ithaca, N.Y. while attending graduate school at Cornell University.

**Douglas A. Silbernagel** of Tigard is an industrial engineer for Peco Manufacturing Co. in Portland.

Systems engineer **Jason James Rembert** works for Electronic Data Systems, General Motors, in Troy, Mich. He lives in Rochester Hills, Mich.

## '89

Navy Ensign **Timothy J. Allen** has completed the Basic Surface Warfare officer's course at the Naval Education and Training Command at Newport, R.I.

Navy Lt. j.g. **David J. Katsules** has finished the Officer Indoctrination School at the Naval Education and Training Center, Newport, R.I.

**Shinjiro Yagi** lives in Fukui, Japan, where he is working at Nagase & Company Ltd., a trading company.

Navy Ensign **Peter A. Mehl** has completed his first solo flight and is undergoing primary flight training with Training Squadron 27, Naval Air Station, Corpus Christi, Texas.

Navy Ensign **Paul J. Odenthal** has graduated from the Basic Civil Engineer Corps officer course at Port Hueneme, Calif.

**Donna C. Moseley** is now an area merchandiser for Target department stores and lives in Albany.

Marine Second Lts. **Richard E. Hunter**, **Jonathan R. Hill**, and **Gordon E. Whitehead** all recently graduated from The Basic School at the Marine Corps Combat Development Command in Quantico, Va. They will now be assigned to the Fleet Marine Force.

**Leanne Michele Bailey** lives in Eugene where she is product development technologist for Chef Francisco Inc.

**Brian Wilson** has received a prestigious \$7,000 Phi Kappa Phi Graduate Fellowship to pursue his education and will begin a master's program in computer science at Stanford University in the fall. He has been working full-time at Hewlett-Packard in Corvallis as a software engineer.

**Janine H. Spencer** has a new job and is now working in Nagoya, Japan, for a technical translation firm for the next two years.

Navy Ensign **Gary A. Tave** recently graduated from Officer Candidate School at the Naval Education and Training Center in Newport, R.I.

## MARRIAGES

**David Paul Rausche**, '89, and **Kathryn Anne Garber**, '89, Oct. 21 in San Diego, Calif.

**Robert D. Worcester** and **Cynthia D. Newman**, '84, June 24 in Baker.

**Tung Xuan Bui**, '88, and **Tiffany Td Nguyen**, '89, Sept. 5 in Portland.

**John DeForrest Wallin** and **Jill Ann Rogers**, '88, Aug. 5 in Corvallis.

**Daniel K. Allworth**, '89, and **Kimberly Edlund**, '88, Sept. 16 in Portland.

**Richard Reynolds**, '89, and **Nancy Coon**, '89, Sept. 16 in Forest Grove.

**Warren Hastings III**, '83, and **Carolyn Marie Weber**, '87, Sept. 30 in Lake Oswego.

**Richard Allen Puckett**, '84, and **Claudine Marie Sanders**, Sept. 29 in Beaverton.

**Bruce Paul Samuels** and **Nancy Anne Rand**, '84, Sept. 30 in Portland.

**Mark J. Hubler**, '89, and **Angela S. Hulslander**, Sept. 16 in Portland.

**Michael E. McGaughey**, '77, and **Rosemarie Sakraida**, Aug. 5 in Medford.

**Mark Richard Morrison**, '80, and **Nicole Juliette Grange**, Sept. 23 in Bellevue, Wash.

**John Turville Jr.**, '85, and **Jill Griffiths**, '85, Sept. 23 in Portland.

**Keith Earl Sorensen**, '74, and **Trina Irene Amstutz**, Nov. 11 in Salem.

**Bradley John Nantz**, '85, and **Kirsten Marie Nosler**, Nov. 11 in Lake Oswego.

**William Marx** and **Karen Buchheit**, '80, Sept. 16 in Portland.

**Carl J. Smith II**, '88, and **Wilda L. Wilmes**, Nov. 18 in St. Paul.

**Mark Lee Hanson** and **Lisa Rei Tsugawa**, '86, 1989 in Portland.

**Ren Lorne Keppinger**, '88, and **Ann Marie Goodrich**, '88, Aug. 19 in Albany.

**Clay A. Parkel**, '88, and **Michelle K. Ritter**, '87, Sept. 30 in Beaverton.

**Joseph Adkisson** and **Jade Youngman**, '87, Nov. 4 in Portland.

**John Michael Randall** and **Marie Ann Anderson**, '82, Oct. 14 in Knappa.

**Thomas K. Decker**, '75, and **Nancy Grader**, Jan. 13 in Portland.

**William Eric Brudvig**, '85, and **Christine Ann Pouppore**, 1989 in Churubusco, N.Y.

**James A. Moore**, '81, and **Sally J. Owens**, '81, Jan. 20 in Portland.

**Scott Barnes**, '86, and **Stephanie England**, Nov. 26 in Beaverton.

**Robert Brauer Jr.**, '85, and **Mary Peterson**, Nov. 25 in Aloha.

**Doug Bogen**, '87, and **Terri Whittaker**, '87, Nov. 25 in Portland.

**Gary Carter**, '89, and **Kari Danford**, Aug. 12 in Baker City.

**Philip Quinton-Cox**, '82, and **Debra A. Potter**, Jan. 20 in Portland.

**Daniel James Logan**, '78, and **Lillian Rose Dinihanian**, '82, Jan. 27 in Portland.

**William L. Lovell** and **Gail L. Stoll**, '81, Feb. 3 in Portland.

**Brian Clark Peachey** and **Barbara Ann Paglia**, '88, Nov. 25 in Corvallis.

**Eric Holtan**, '87, and **Kristi Rasmusen**, Jan. 6 in Portland.

**Mark Valeske** and **Juli Ann Phillips**, '83, Dec. 23 in Portland.

**Gary Woolworth**, '89, and **Kasey Jo Arnstion**, Jan. 6 in Lake Grove.

**Christopher Richard Kaseberg**, '88, and **Carrie Jo Allen**, '88, Nov. 11 in The Dalles.

**Timothy T. Ketchum**, '87, and **Darcy J. Cooper**, Dec. 30 in Corvallis.

**Todd Edward Nagel**, '87, and **Layne Lynelle Riley**, Dec. 16 in Reno, Nev.

**Tom F. Daniels**, '86, and **Lisa Ann Bird**, Dec. 2 in Aloha.

**Larry Scott Keeker**, '88, and **Angela Marie Dornfeld**, '88, Dec. 9 in Beaverton.

**Steve Stacey**, '75, and **Valerie Nash**, Dec. 16 in Portland.

**Thomas Francis Walsh**, '84, and **Carol Elizabeth Dreyfus**, 1989 in Newport Beach, Calif.

**Brian K. S. Johnson** and **Karen Anita Pranger**, '87, Aug. 19 in Hillsboro.

**Scott David Ellefson**, '87, and **Emily May Cutrell**, 1989 in Coos Bay.

**John "Jack" Crowell** and **Helen Miller**, '85, Nov. 11 in Bend.

**Bryan William Hamilton** and **Brenda Lynn Ward**, '88, Sept. 9 in Corvallis.

**Michael Robert Dowless**, '87, and **Lora Lee Laver**, Sept. 2 in Corvallis.

**Timothy Meinhart**, '80, and **Marcie Wilbur**, '80, Nov. 18 in Lake

Oswego.

Bryan John Cook and **Marijke Kempees**, '71; Dec. 30 in Corvallis.

Joseph John Gardner and **Holly Rayliene Chidsey**, '86; Dec. 28 in Portland.

**Andrew Greene Elsbree Jr.**, '83, and Dawn Lesley Dungworth; Dec. 9 in Davis, Calif.

James Edward Shackelford and **Jennifer Suzanne Orazio**, '89; Dec. 2 in Portland.

David Becker and **Janice Ralston**, '81; Sept. 9 in Portland.

**Steve Wagner**, '75, and Michelle Allen; Nov. 4 in Lake Tahoe, Nev.

Bret Gernhart and **Diana Bowlin**, '87; Feb. 17 in Portland.

**Gerald H. Rosette Jr.**, '77, and Teresa Haines; Mar. 10 in Portland.

**Jerome Martin Driscoll**, '87, and **Merideth Ann Miller**, '88; Mar. 17 in Portland.

**Timothy Michael Herinckx**, '87, and Karen Wilmes; Mar. 17 in St. Paul.

**Robert Martin Schmitz**, '86, and Nancy Sim; Mar. 30 in Lake Oswego.

**Gary R. McCourt**, '88, and Jennifer M. Campbell; Mar. 24 in Portland.

**Daniel Kunde**, '88, and **Carole Oswald**, '86; Mar. 31 in Aloha.

**Chris Lochtefeld**, '87, and Joanne Carol Taylor; April 28 in Portola Valley, Calif.

Scott James Schroeder and **Lisa Ann Beavens**, '89; Feb. 14 in Corvallis.

**Matt Cyrus**, '89, and Kelly Dannen; Feb. 24 in Corvallis.

**Jerry Altenhofen**, '86, and Linda Loska; Feb. 24 in Portland.

**Calvin Dale Whiting**, '87, and **Judy Lynne Wright**, '87; Feb. 23 in Portland.

**Peter Joseph Mahony**, '87, and **Leslie Ann Lehman**, '86; Feb. 10 in St. Paul.

**James Richard Beardsley**, '78, and Lawrie Dawn Sumner; Mar. 3 in San Antonio, Texas.

**Jeffrey K. Ace**, '74, and **Mary H. McGregor**, '84; Feb. 17 in Portland.

**Robert N. Thompson**, '83, and **Kellie A. Horn**, '83; Mar. 10 in Albany.

**Mark Madison Engleman**, '79, and Linda Marie Schooley; Sept. 30 in Virginia Beach, Va.

**Joseph Brian Welp**, '87, and Genny Erlingheuser; March in Clackamas.

Robert S. Kirkpatrick and **Susan E. Warnock**, '83; Mar. 5 in Negril, Jamaica.

John M. Staunton and **Joan Paine Balin**, '55; Dec. 24 in Klamath Falls.

John Cole Ferdig and **Susan Kae Westby**, '85; March in Portland.

**Jeffrey Allen Dalton**, '87, and **Kristi Sue Peterson**, '86; Feb. 17 in Portland.

## IN MEMORIAM

**Lew W. Going**, '10, of Coos Bay; Dec. 19 in Coos Bay. He was affiliated with SAE.

**Genevieve Jones Crowell**, '21, of San Francisco, Calif.; Jan. 27 in San Francisco. She was affiliated with ACO.

**Alvin D. Hobart**, '21, of Woodburn; Feb. 17 in Mt. Angel.

**Isabelle Layman Steele**, '21, of Woodburn; Jan. 3 in Salem. She was affiliated with SK.

**R. Elmo Shannahan**, '21, of Portland; Jan. 18 in Portland. He was affiliated with SPE.

**Elizabeth Trullinger Oliphant**, '29, of Beaverton; Feb. 8 in Beaverton.

**Adelbert A. Young**, '29, of Hilton Head, S. C.; Aug. 14 in Hilton Head. He was affiliated with Theta Chi.

**Avon L. Buchanan**, '30, of Portland; Jan. 19 in Portland.

**Charlotte Norman Ifft**, '30, of El Cerrito, Calif.; April in El Cerrito.

**Lewis H. Rycraft**, '30, of Nampa, Idaho; Mar. 11, 1989 in Nampa.

**Esther Chamberlin Weikel**, '30, of Corvallis; Feb. 15 in Corvallis. She was affiliated with ADP.

**Harry Angus Watson**, '31, of Portland; Feb. 27 in Portland.

**Robert J. Black**, '32, of Studio City, Calif.; Nov. 23 in Studio City.

**Howard E. Hanthorn**, '32, of Richland, Wash.; Jan. 6, 1986 in Richland.

**Raymond J. Kerr**, '33, of Los Angeles, Calif.; July 11, 1988 in Los Angeles.

**John W. Greene**, '33, of Oroville, Calif.; Dec. 26 in Oroville. He was affiliated with DU.

**Carolyn Blakely Shepard**, '33, of Salem; Feb. 24 in Salem. She was affiliated with DZ.

**John R. Bieler**, '36, of Eugene; Nov. 30 in Eugene.

**Louis Richard Geil**, '40, of Corvallis; Feb. 15 in Corvallis.

**Heather MacLeod Gillies**, '40, of Vancouver, B.C., Canada; Feb. 25 in Vancouver.

**Russell Dale Parmenter**, '40, of Dallas; Jan. 29 in Dallas.

**Merle H. Winn**, '40, of Troutdale; Mar. 7 in Troutdale.

**Robert Marsh Baker**, '41, of Portland; Dec. 31 in Portland.

**K. S. "Stan" Buckingham**, '41, of Tulelake, Calif.; Feb. 18 in Tulelake. He was affiliated with AGR.

**Torrey A. Newton**, '41, of Empire, Calif.; Jan. 13 in Empire.

**Elmer C. Rossman**, '41, of East Lansing, Mich.; Nov. 16 in East Lansing. He was affiliated with PKP.

**Robert D. Goddard**, '42, of Thousand Palms, Calif.; Mar. 4 in Palm Desert, Calif.

**John S. Tsoutsouvas**, '44, of Santa Barbara, Calif.; Mar. 27, 1989 in Santa Barbara. He was affiliated with KS.

**Peggy L. Raines Austin**, '48, of Lebanon; Jan. 24 in Lebanon.

**Robert Eugene Kischel**, '48, of Roseburg; Feb. 13 in Roseburg.

**Raymond E. Dempsey**, '49, of Roseburg; July 11 in Roseburg.

**James A. Irvine**, '49, of Lebanon; Jan. 13 in Albany. He was affiliated with LCA.

**John Forbes "Jay" Glatt**, '50, of Salem; Feb. 28 in Salem.

**William Thomas Monahan**, '50, of Portland; Dec. 8 in Portland.

**Robert W. Stich**, '50, of Alameda, Calif.; Dec. 26 in Alameda. He was affiliated with PKP.

**Robert "Bob" Gustafson**, '51, of Gresham; Jan. 28 in Gresham.

**Nelson Breckinridge Higgs**, '53, of Portland; Oct. 28 in Portland. He was affiliated with DSP.

**Dennie J. Koupal**, '56, of Walnut Creek, Calif.; June 23 in Walnut Creek. He was affiliated with Theta Chi.

**Alma Louise Pierce**, '58, of Albany; Jan. 11 in Albany.

**Rodney Douglas Halter**, '59, of Roseburg; Jan. 3 in Idleyld Park.

**Donald F. Bergsvik**, '60, of Federal Way, Wash.; Jan. 25 in Federal Way. He was affiliated with KS.

**William A. Davidson**, '60, of Colton; Dec. 6 in Clackamas. He was affiliated with SAE.

**Harold T. Clark**, '64, of Ashland; Dec. 10 in Ashland.

**Raymond Dragseth**, '64, of Panama City, Panama; Dec. 21 in Panama City. He was affiliated with TKE.

**Robert Ray Deardorff**, '66, of West Linn; Dec. 6 in Portland. He was affiliated with TBP.

**Wayne R. Bruce**, '66, of Sparks, Nev.; August in Sparks.

**William Herbert Phinney**, '66, of Corvallis; Mar. 10 in Portland.

**Alan B. Chambers**, '64, of Los Altos, Calif.; Jan. 16 in Cleveland, Ohio.

**Donna Jo Bockman Weston**, '68, of Corbett; Oct. 9 in Corbett.

**Ronald C. Scheidt**, '75, of Fresno, Calif.; Jan. 1 in Fresno.

**David Bruce Knower**, '76, of Albany; Oct. 23 in Albany.

**Candia Resnick Coombs**, '79, of Ketchikan, Alaska; Nov. 17 in Ketchikan.

**Randy S. Floreani**, '86, of Kingsville, Texas.; July 14 in Kingsville. He was affiliated with ASP.

**Indiana Ault Reavis**, '15, of Salem; April 20 in Salem.

**Robert E. Duniway**, '19, of Mountain View, Calif.; May, 1989 in Mountain View.

**Miriam Reed Cobb**, '20, of Portland; Feb. 21 in Portland. She was affiliated with KAT.

**Vernon W. Harper**, '22, of Sun City, Ariz.; Feb. 25 in Sun City.

**Donald L. Clodfelter**, '23, of Grass Valley; Oct. 16, 1988 in Grass Valley.

**Louie P. Klingele**, '23, of Baton Rouge, La.; Jan. 4 in Baton Rouge.

**Anne Marie Arnoldus Leach**, '23, of Live Oak, Calif.; Jan. 27 in Live Oak.

**Flossie-Mae Blackburn Boone**, '24, of Lake Oswego; Feb. 22 in Portland. She was affiliated with KKG.

**Edgar C. Kenyon**, '24, of Pomona, Calif.; 1990 in Pomona. He was affiliated with KDR.

**Henry A. Martens**, '24, of Coeur d'Alene, Idaho; April, 1989 in Coeur d'Alene.

**Victor Leland Bump**, '25, of Newport; Feb. 4 in Newport.

**John C. Kerrick**, '25, of Arlington, Va.; Mar. 10 in Arlington.

**Clyde Lamar Lee**, '25, of Gresham; April 11 in Portland. He was affiliated with PDT.

**Ruby Royce Cupper**, '26, of Bellevue, Wash.; Mar. 12 in Issaquah, Wash. She was affiliated with SK.

**Margaret Johnson Reasoner**, '26, of Duarte, Calif.; Nov. 30 in Duarte.

**Clarence Hurd**, '27, of Palm Desert, Calif.; 1990 in Palm Desert.

**John A. Payton**, '27, of Baker City; Feb. 9 in Baker City. He was affiliated with AGR.

**Gertrude Helen Yunker**, '27, of Corvallis; April 8 in Corvallis. She was affiliated with DG.

**Walter Albert Kropp**, '28, of Albany; Sept. 12 in Albany. He was affiliated with PKT.

**Josephine Bothman Maxson**, '28, of Corvallis; April 12 in Corvallis.

**Agnes Hatteberg Baxter**, '29, of Lake Oswego; Mar. 27 in Lake Oswego.

**Arthur Dale Cannon**, '29, of Norwalk, Calif.; Oct. 14, 1987 in Norwalk.

**Harold F. Scritsmier**, '29, of Portland; Oct. 13 in Portland. He was affiliated with PSK.

**Arthur L. Fryer**, '30, of McMinnville; Feb. 20 in McMinnville.

**Lyle E. Beyers**, '31, of Independence; Aug. 20 in Dallas.

**Arvilla L. Hurt Maddy**, '31, of Corvallis; Mar. 24 in Corvallis.

**Locke Morgan Reeder**, '31, of Ocean Park, Wash.; April 12 in Ocean Beach.

**William Arthur Sawyer**, '31, of Salem; April 21 in Salem. He was affiliated with AGR.

**Dorothy Carlstrom Smith**, '32, of Spokane, Wash.; Mar. 24 in Spokane. She was affiliated with AGD.

**Robert Fred Petersen**, '33, of Portland; Mar. 18 in Portland. He was affiliated with ATO.

**Edna Martha Knowlton Scales**, '33, of Portland; April 2 in Portland. She was affiliated with SK.

**Bernhard W. Weber**, '33, of Spokane, Wash.; Nov. 25 in Spokane.

**Ruby Morrison Bonner**, '34, of Portland; Oct. 14 in Portland. She was affiliated with DDD.

**Gretchen Elaine Niece Corlew**, '34, of Lake Oswego; Mar. 17 in Portland.

**Arloene Davey Fontaine**, '35, of Norwalk, Conn.; Feb. 26 in Norwalk.

**Leonard F. Fuller**, '35, of Santa Rosa, Calif.; March in Santa Rosa. He was affiliated with SAE.

**George E. Towle**, '35, of Aumsville; Sept. 13 in Salem.

**Margaret Bales Yocum**, '35, of Macon, Ga.; Mar. 21 in Macon.

**J. Douglas Hand**, '37, of Tucson, Ariz.; Jan. 23 in Tucson. He was affiliated with PKP.

**William Wesley Richardson**, '38, of Portland; Mar. 24 in Portland.

**Sherwin Stephen Blackwell**, '39, of Albany; April 10 in Albany.

**J. Stanley Collins**, '40, of Canyon Country, Calif.; May 19, 1989 in Canyon Country. He was affiliated with DSP.

**Maurice Christian Hansen**, '40, of Portland; Oct. 12 in Portland.

**Philip James Kuhl Jr.**, '41, of John Day; Feb. 20 in John Day.

**Keene P. Dimick**, '42, of Nampa, Calif.; Mar. 25 in Nampa.

**Elizabeth Clark Fry**, '42, of Mercer Island, Wash.; Feb. 7 in Mercer Island. She was affiliated with ACO.

**Roger C. Anderson Sr.**, '44, of Corvallis; Feb. 4 in Corvallis.

**Robert Thomas Ewen**, '45, of Portland; Sept. 9 in St. Helens.

**Florence L. Aasen**, '46, of Portland; Feb. 21 in Portland.

**Thelma Carter Kirchner**, '46, of Ahwahnee, Calif.; October in Ahwahnee.

**Curtis W. Cutsforth**, '47; Dec. 1, 1989. He was affiliated with SPE.

**Wesley E. Radford**, '49, of Portland; 1990 in San Gabriel, Calif. He was affiliated with DTD.

**Manes Barton**, '50, of Vancouver, Wash.; Sept. 9 in Battle Ground, Wash.

**Howard F. Bates**, '50, of Fairbanks, Alaska; January in Fairbanks.

**Evan Wayne Jenks**, '50, of Portland; April 11 in Portland.

**Sharron Wright Lankton**, '51, of Portland; Feb. 18 in Portland. She was affiliated with GPB.

**Gerald E. Johnson**, '53, of Ocean Park, Wash.; Feb. 26 in Long Beach, Wash.

**James C. Noakes**, '52, of Richland, Wash.; April 13 in Richland.

**Marilyn Bradshaw Hastie**, '56, of Scotland; Mar. 3 in Scotland.

**Joseph Verne Colvin**, '60, of Baker City; Feb. 26 in Baker City. He was affiliated with AGR.

**Alan B. Chambers**, '64, of Los Altos, Calif.; Jan. 16 in Cleveland, Ohio.

**Eurial "Casey" Huntsucker**, '64, of Lancaster, Calif.; Oct. 14 in Modesto, Calif.

**Patricia J. Dix**, '69, of Rockford, Ill.; Mar. 17 in Rockford.

**Ritchie A. Mills**, '69, of Salem; April 15 in Salem. He was affiliated with PKP.

**David Michael Dreiszus**, '71, of Portland; Sept. 7 in Portland.

**Gerald W. Elger Jr.**, '77, of Albuquerque, N.M.; Dec. 31 in Albuquerque.

**Nancy Jackson**, '77, of Federal Way, Wash.; Mar. 27 in Nepal.

**Beverly Ann Johnstone Paulsen**, '77, of Lake Oswego; April 13 in Lake Oswego. She was affiliated with ACO.

**William Edward Shane**, '82, of Vallejo, Calif.; Oct. 17 in Vallejo.

**Linda Crow Revere**, '84, of Corvallis; April 3 in Corvallis.

## FACULTY AND FRIENDS

**Anton Polensek**, '73, of Corvallis; Jan. 5 in Corvallis. Dr. Polensek was a professor and research engineer for the Forest Products Lab in the School of Forestry for the past 24 years.

**Darrell V. Beavers** of Corvallis; Nov. 4 in Corvallis. Beavers joined the staff of the Department of Food Science and Technology in 1964, and when he retired in 1982, he was granted emeritus status.

**Dr. Catherine G. Bacon** of Torrance, Calif.; April 25 in Torrance. Dr. Bacon was an assistant professor specializing in silviculture with the Coastal Oregon Productivity Enhancement Program of the College of Forestry located at the Hatfield Marine Science Center in Newport.

**Anthony Peter Crudele**, '62, of Salem; April 11 in Salem. He worked in soils research for 21 years before retiring in 1988.

**Harry Wainwright Currier** of Corvallis; Mar. 14 in Corvallis. Currier worked at the Printing Department for many years until his retirement in 1965.

**Dr. Powis Lee Heitmeyer** of Portland; Mar. 31 in Portland. A former member of the Council of

Regents, Dr. Heitmeyer operated a medical practice for many years in Portland and had been affiliated with many Portland-area hospitals during the course of his career.

**Dr. Donald David Hill**, '25, of Corvallis; Mar. 30 in Corvallis. Dr. Hill was a professor for many years and was head of the Farm Crops Department from 1943 to his retirement in 1960. For 10 years after his retirement, he worked for the Wheat Associates as a consultant to foreign countries.

**Walter S. Hopkins** of Corvallis; Dec. 29 in Corvallis. A retired professor of forestry who spent the past four years as a volunteer bailiff for the Benton County Circuit Court, Hopkins had retired from the U. S. Navy as a lieutenant commander and then worked for the U.S. Forest Service for almost 30 years before he began teaching at OSU in 1971.

**Sidney B. Lewis Jr.** of Corvallis; April 15 in Corvallis. He was a prominent attorney in Corvallis for more than 40 years, serving as Benton County District Attorney in the early 1950s, and was a long-time member of the Beaver Club.

**Otto H. Muth**, '33, of Orcas, Wash.; September in Orcas. Muth was a retired faculty member and was affiliated with AGR.

**William G. "Jerry" Nibler**, '38, of Corvallis; Mar. 26 in Corvallis. Nibler joined the Extension Service in 1940 and was a key figure in agricultural programs throughout Oregon for 34 years. He was instrumental in forming the National Extension Program Development plan used by state extension services and served in various capacities in Marion, Columbia and Benton counties before his retirement in 1975.

**Marilyn Potts-Guin**, '78, of Newport; Dec. 2 in Newport. She was librarian at the Mark O. Hatfield Marine Science Center and was responsible for the strength of the library program there.

**Lester V. "Buck" Robbins** of McMinnville; Nov. 9 in McMinnville. Robbins was a farmer on land southwest of Amity for more than 50 years and was an avid sports fan and member of the Beaver Club.

**Dr. Kline Swygard** of Arizona; Feb. 22 in Arizona. Dr. Swygard was a former member of the Political Science Department.

**Charles David Woods**, '52, of Corvallis; Mar. 15 in Corvallis. He worked for the OSU Chemistry Department, Computer Sciences and Electrical Department shops before retiring in 1986 after 30 years of University service.

## News Briefs. . .

*Continued from page 3*

Les Schwab Companies, the largest independent tire dealer in the United States, received OSU's Family Business Award for large firms at a special awards banquet April 21, hosted by the Family Business Program. Umpqua Dairy of Roseburg was honored as the top medium-size family business in the Northwest, and Cooley's Gardens in Silverton and Lawrence's Jewelers of Medford received awards as top small family businesses.

At a dedication ceremony April 22, Milam 301 was renamed the "William Appleman Williams Seminar Room" in honor of the OSU historian who died of cancer March 5. "The room will serve as a reminder for future generations that a 'ranking historian' walked these hallways," said Darold Wax, chairman of the department, who added that "Bill was a tough character, a tough debater, a demanding scholar. You were never unaware of his presence." Williams joined the history faculty in 1968, retiring in 1986 as professor emeritus. He also served at the University of Wisconsin from 1957-68 and was recognized nationally for revisionist books and articles that challenged prevailing views of American history.



Baughman

## OSU Chooses Baughman New AD, Snyder Announces Plans

Dutch Baughman, who for the past 12 months has been serving as senior associate athletic director for OSU athletics, was named new OSU Athletic Director May 30, to replace Lynn Snyder, AD since 1986. Snyder was asked to step aside earlier this year to make way for new leadership.

In making the announcement, OSU President John Byrne said, "Dutch was recommended for the position as the first choice of our Selection Advisory Committee. He was endorsed with the highest regard by athletic professionals across the country. He knows Oregon State and is committed to continuing our progress in athletics."

In the meantime, Snyder has landed a job as executive director of "Football Fever," the annual promotional campaign to raise money for athletic scholarships in all sports at UO, OSU and Portland State. The job is only part-time and Snyder says he also plans to work as a consultant to intercollegiate athletic programs.

Baughman, who is 41 and a native of Columbus, Ohio, begins in his new job July 1. He will be paid \$80,268 per year.

Baughman holds a bachelor's

degree in physical education from Ohio State and a masters in athletic administration from the same institution.

Prior to his arrival at OSU in October 1989, he was employed as a manager of a cattle ranch in Colorado Springs, Colo. He held that position for about one year.

He began his administrative career as an athletic counselor at his alma mater in 1976. He moved to Northwestern University in 1977 as assistant director of athletics and was promoted to associate director in 1978.

The next year, Baughman was appointed athletic director at Furman (N.C.) University, where he served four years before becoming assistant, then associate commissioner of the Southwestern Athletic Conference.

He accepted the position as athletic director at Virginia Polytechnic Institute and State University in 1988.

Baughman was a high school athlete, earning letters in football, basketball and baseball at Columbus West High School. At Ohio State he earned three letters in lacrosse.

He and his wife Jacquelyn have one son, 12-year-old Eric.

## Athletic Deficits Baughman's First Big Challenge

When Dutch Baughman officially takes over for outgoing AD Lynn Snyder July 1, the likable new athletic director will also be taking over a whopping athletic department debt that by mid June had climbed to \$2.7 million.

Last year alone, OSU's expenses were some \$755,000 over revenues.

Problems at Oregon's other two Division I schools are almost as bad. Total debt at the UO, OSU and PSU now approaches \$5.4 million.

In an effort to offer some relief to the three ailing athletic departments, the State Board of Higher Education on June 14 approved temporary measures that, at least for the time being, will help "hold the line" on the combined deficit.

The measures allow the schools to grant tuition waivers for student athletes; use state tax dollars to pay coaches' salaries in non-revenue sports; and use state funds for academic support and facilities operation and maintenance.

The board will also said it will urge the Legislature to change the popular Sports Action lottery game so that proceeds go only to intercollegiate athletics.

At present, Sports Action proceeds must be diverted to state economic development if revenue from other state lottery games fails to meet projections.

Both Byrne and Baughman have instituted tighter financial management in the athletic department and have said that the department is getting closer to balancing its budget of \$8.5 million for 1989-90.

## OSU's Selig Snares Two National Titles

At the NCAA Women's Gymnastics National Championships held at OSU April 20-21, Oregon State's Joy Selig became a three-time All-American by defending her beam title and then winning the floor exercise title.

Her winning scores were 9.875 in the beam and a 9.90 on floor exercises.

OSU Head Coach Jim Turpin said afterwards that Selig's performance was "about as perfect as you can get. I guess she deserved her rankings."

He was referring to Selig having entered the championships ranked No. 1 in both beam and floor. She is the first two-time NCAA beam champion (she shared the title with UCLA's Jill Andrews last year) in the history of the competition.

Turpin was also very pleased at OSU's seventh place finish in team standings.

OSU, seeded ninth as the competition began, got a slow start on balance beam but used solid performances in the vault and other events to finish strong.

"We scored better than our average," he said. "Scoring by the judges was right on the money."

Alabama's freshman Dee Dee Foster won the all-around title and the University of Utah won the national crown.

Utah's team total of 194.90 was the most points ever recorded in an NCAA championship and only .05 points off the Utah school record set at this year's regional championships.

OSU's triumphant weekend did have its sour note, as OSU's Shannon Hohenschuh announced her floor exercise at the NCAA meet would be her last. Assorted injuries sustained during her gymnastics career forced her to retire from competition.

Turpin helped his star athlete make her decision.

"Pain doesn't stop her and yet I could not watch her work out any more," Turpin said.

## OSU Baseballers Finish at 30-22

OSU won 11 of its last 15 games to finish its baseball season at 30-22, the fourth time in five years the Beavers won 30 or more games.

And for the second straight year, OSU's record was good enough for conference runner-up honors in the Pac-10 Northern Division.

The Beaver's also duplicated last year's feat of finishing third in the Pac-10 Tournament, beating UW 3-1 in the first game, but losing Washington State 16-5 in the second game and 9-2 to the Huskies in their third appearance in the double elimination tournament.

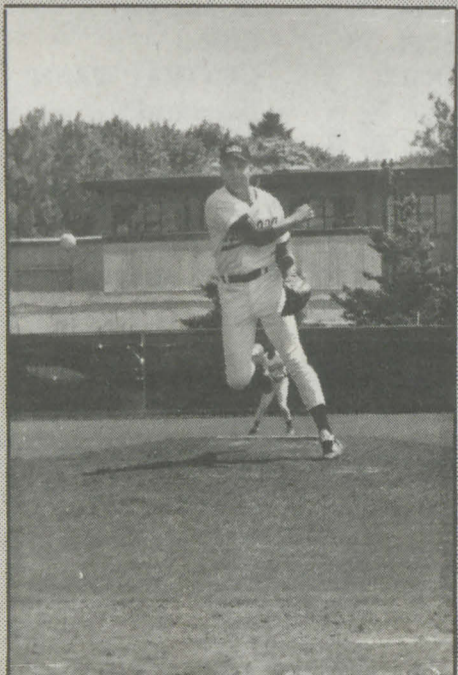
Offensively, the year was a great one for the Beaver squad as the team set records for hits and doubles and third baseman R.A. Neitzel set a record for the most hits in a season with 75, upping his career batting average to .335, the seventh best in OSU history.

Neitzel's .335 for the season also led the Beavers

Down the stretch, OSU toyed with the school record for team batting average. Going into their second game against Washington in the Pac-10 Tournament, the Beavers were actually a point above the .307 mark achieved in 1985, but the four hits they were limited to by the Huskies lowered the average back to .306. It was the lowest hit output of the year as OSU had been five-hit twice in the early season.

The lack of a healthy regular

rotation in the pitching corps led to the downfall of the team in tournament play. Still, the pitching was superb down the home stretch led by the early season stopper turned dominant starter named Jeff Post. At one point Post pitched 27 shutout innings and finished the year with an ERA of 1.96 and



**Pitcher Jeff Post was the lone Beaver first team all-Pac-10 selection. The right hander appeared in a record 26 games this season and finished the year with an impressive 1.96 ERA and a record of 10-4.**

one earned run in his final 35 frames of work. His season ERA just missed the seasonal top 10 list and is the Beavers' best since John Sipple's 1.82 of 1988.

Post also appeared in a record 26 games this season, starting the season as a relief pitcher but finishing the season as the ace of the starting pitchers.

Craig McCarthy ended up as OSU's most improved player, with a team-leading 52 strikeouts for 70 innings worked. Senior Jeff Otis finished his career as OSU's sixth winningest pitcher with a 23-14 record.

Other seniors finishing their careers at OSU included shortstop Ben Johnson, third baseman R.A. Neitzel, pitcher Ken Nielson, and outfielder Scott Sanders.

Johnson set a single-season record for strikeouts with 126. The entire team was guilty of 312 strikeouts, also a record.

Jeff Post was the lone Beaver first team all-Pac-10 selection. Five OSUers made the second team, however: catcher Paul Sanders, first baseman Aaron Anderson, third baseman R.A. Neitzel, shortstop Ben Johnson and utility player Dave Schoppe.

Eighteen players return to compete for the Beavers next year in what should be another exciting baseball season.

## Short Shorts

*Hall of Fame...* On Aug. 18, former OSU football star Bob Grim and former high jumper Joni Huntley will be inducted into the State of Oregon Hall of Fame. Huntley is the first American woman to jump over six feet. While at OSU, she set records in the high jump and long jump and later went on to win a bronze medal in the high jump in the 1984 Olympics. Grim, who is color analyst for OSU football games, led the Beavers with 25 pass receptions for 289 yards in 1966.

*Son of NBA great set to play for Beavers...* Brent Barry, son of former NBA great Rick Barry, has signed a letter of intent to play basketball for OSU. Barry, a 6-foot-4 senior at DeLaSalle High School in Concord, Calif., was a first team all-East Bay and second team all-San Francisco Bay Area choice, averaging 17.6 points and 6.1 rebounds per game. Brent joins Canaan Chatman of Benson Tech in Portland, Kareem Anderson of Merced, Calif., and Henrik Ringmar of Uppsala, Sweden, as the Beavers' incoming recruiting class.

*Gymnastics recruits...* OSU gymnastics coach Jim Turpin stayed in Oregon to sign what he considers to be the top recruiting class in the nation. Two contenders for the U.S. National team, Chari Knight of Eugene and Traci Crover of Boring have signed letters of intent to attend OSU and Turpin said he has convinced Michelle Sandoz, "one of the best beam workers in the country," to turn down numerous scholarship offers and walk on at OSU. Turpin considers Knight to be the top prospect in the country this year and said she chose OSU over many schools, including national champion Utah.



David Grubbs/Gazette Times

**Puckering Up for Publicity:** On May 26, over 1,210 participants puckered up in front of the MU in an attempt to set a *Guinness Book of World Records* record for the most people kissing at the same time and the same place. "We just wanted to promote the University and get OSU on the map with a fun activity for people to participate in," said Missy Talley, one of the events coordinators. A similar activity at OSU in 1985 drew 1,190 participants, but that group smooch failed to grace the pages of *Guinness*.

-Clip and Save-

# Fall Sports Schedules

| Football |  | Women's Volleyball |                      | Men's Soccer |                  | Women's Soccer |   |
|----------|--|--------------------|----------------------|--------------|------------------|----------------|---|
| Sept. 1  | MONTANA<br>(6 p.m. PDT)                | Sept. 14           | STANFORD             | Aug. 25      | ALUMNI           | Aug. 25        | ALUMNI                                      |
| Sept. 8  | Kansas<br>(11 a.m. PDT)                | Sept. 15           | CALIFORNIA           | Sept. 2      | SIMON FRASER**   | Sept. 3        | SIMON FRASER*                               |
| Sept. 15 | UNLV<br>(6 p.m. PDT)                   | Sept. 21           | Oregon               | Sept. 4      | Willamette       | Sept. 5        | WILLAMETTE                                  |
| Sept. 22 | Stanford*<br>(1 p.m. PDT)              | Sept. 25           | Portland             | Sept. 6      | TRINITY WESTERN  | Sept. 8        | Stanford                                    |
| Sept. 29 | Nebraska<br>(11:30 a.m. PDT)           | Sept. 28           | USC (at Los Angeles) | Sept. 8      | HUMBOLT          | Sept. 10       | Cal Berkeley                                |
| Oct. 6   | OPEN                                   | Sept. 29           | UCLA (at L.A.)       | Sept. 9      | CAL STATE        | Sept. 12       | Santa Clara                                 |
| Oct. 13  | ARIZONA*<br>(1:30 p.m. PDT)            | Oct. 5             | ARIZONA              | Sept. 12     | NORTHRIDGE       | Sept. 14-16    | Farwest Soccer<br>Classic- Chico,<br>Calif. |
| Oct. 20  | WASH STATE*<br>(1:30 p.m. PDT)         | Oct. 6             | ARIZONA STATE        | Sept. 19     | Warner Pacific** | Sept. 21       | CHICO                                       |
| Oct. 27  | UCLA* (at Pasadena)<br>(3:30 p.m. PDT) | Oct. 9             | PORTLAND STATE       | Sept. 20     | Seattle*         | Oct. 2         | PORTLAND*                                   |
| Nov. 3   | Ariz State*<br>(6 p.m. PDT)            | Oct. 12            | Washington State     | Sept. 22     | PUGET SOUND*     | Oct. 5         | Cal Irvine                                  |
| Nov. 10  | USC*<br>(1:30 p.m. PDT)                | Oct. 13            | Washington           | Sept. 29     | St. Mary's       | Oct. 6         | San Diego State                             |
| Nov. 17  | OREGON*<br>(1:30 p.m. PDT)             | Oct. 17            | OREGON               | Sept. 30     | Chico            | Oct. 7         | UCLA (at L.A.)                              |
|          |  | Oct. 19            | Wyoming              | Oct. 6       | CENTRAL WASH*    | Oct. 12        | Evergreen*                                  |
|          |  | Oct. 20            | Colorado State       | Oct. 7       | Portland**       | Oct. 14        | Puget Sound*                                |
|          |  | Oct. 26            | UCLA                 | Oct. 10      | GEORGE FOX       | Oct. 17        | Oregon                                      |
|          |  | Oct. 27            | USC                  | Oct. 13      | GONZAGA*         | Oct. 21        | WESTERN WASH*                               |
|          |  | Oct. 30            | Portland State       | Oct. 15      | PACIFIC U.       | Oct. 27        | Portland                                    |
|          |  | Nov. 2             | Arizona State        | Oct. 20      | Stanford+        | Oct. 28        | PACIFIC                                     |
|          |  | Nov. 3             | Arizona              | Oct. 21      | California+      |                | LUTHERAN U.                                 |
|          |  | Nov. 6             | PORTLAND             | Oct. 24      | OREGON           | Nov. 3         | Willamette                                  |
|          |  | Nov. 9             | WASHINGTON           | Oct. 27      | Evergreen*       |                |   |
|          |  | Nov. 10            | WASHINGTON ST        | Oct. 28      | Witman           |                |   |
|          |  | Nov. 15            | Stanford             |              |                  |                |   |
|          |  | Nov. 16            | California           |              |                  |                |   |

Home games in caps  
\*Indicates Pac-10 game  
Oct. 13 is Band Day  
Oct. 20 is Homecoming

Home games in caps

Home games in caps  
\*Cascade Division-NW Collegiate  
Soccer Conference  
\*\*Olympic Division-NWCSC  
+Husky Classic Tournament

\* Indicates league games--Northwest  
Collegiate Soccer Conference  
Home games in caps