

WINTER 2012

IN HER SPARE TIME
100 YEARS OF EXTENSION
THE GENEROUS FORDS
HOMECOMING 2011

OREGON

STATER

THE MAGAZINE OF THE OREGON STATE UNIVERSITY STUDENT ASSOCIATION





Art meets state-of- the-art

It's a typical juxtaposition in OSU's showcase, \$62.5 million Linus Pauling Science Center —new home for the Linus Pauling Institute and much of the Department of Chemistry:

A stunning, ever-changing Stephen Knapp light painting is mounted on the wall just outside a glassed-in laboratory full of nuclear magnetic resonance spectrometers that let scientists see and record what happens inside organic molecules.

Using the same physical principle as medical MRI instruments, NMRs employ a powerful magnetic field to probe how individual atoms respond to radio-wave energy, allowing researchers to trace atom-to-atom bonding patterns in complex structures. The large canisters are superconducting magnets surrounded by a bath of liquid helium.

Beautiful design and original artwork melded with cutting-edge teaching, research and/or living spaces is a hallmark of OSU's new buildings, two others of which are, at near right, the Hallie E. Ford Center for Healthy Children and Families and the International Living-Learning Center.

Alumni and others who are visiting campus for the first time in years might want to set aside time to tour the buildings and see for themselves how The Campaign for OSU and other campus initiatives are adding to the academic and aesthetic excellence of Oregon's major teaching and research university. For more on the building boom, see the column on page 2 and a photo spread on pages 36 and 37. **PHOTOS BY DENNIS WOLVERTON**



OSU Alumni Association

OREGON STATER

Winter 2011 Vol. 97, No. 1

Publisher:

OSU Alumni Association
Scott Greenwood, '88, executive director

John Porter, '83, president

Editor:

Kevin Miller, '78

Associate editor:

Ann Cassinelli Kinkley, '77

Associate editor for photography:

Dennis Wolverton, '66, '93

Associate editor for design:

Teresa Hall, '06

History and traditions editor:

George P. Edmonston Jr., '07(H)

Sports editor:

Kip Carlson

STATER ADVERTISING AND OSUAA SPONSORSHIP SALES

Michael Reza, OSUAA business development director
OSU Portland Center
Union Bank of California Tower
707 SW Washington St., Suite 500
Portland, OR 97205-3522
503-553-3420
michael.reza@oregonstate.edu

ALL OTHER STATER MATTERS

Call 541-737-0780

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Read online at www.osualum.com/stater and at staterblog.com

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Oregon Stater (ISSN 0885-3258) is a publication of the OSUAA.

It appears in fall, winter and spring.

Postage paid at Corvallis, OR 97333 and at additional mailing offices.

CONTACT OSUAA

877-OSTATER (877-678-2837)
osualum@oregonstate.edu
www.osualum.com

Printed with ink containing soy at Journal Graphics in Portland.



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Want something important to get excited about?

BELIEVE ME, AS ONE OF THE THOUSANDS of Beavers who live in Eugene, I know that a football season like this year's can test a person's orange and black pride.

That's "test," not "weaken." In any event, a person like me, with an editor's-eye view of what's happening around campus, has other things to worry about.

A problem of late has been the terrible inconvenience of having to go to so many ground-breakings and openings of stunning new buildings, where those of us in attendance must listen as generous donors who make these projects possible deflect the credit onto others and tell

ing. And of course they too promise to express their gratitude through continued and focused work in the name of the greater good.

I know, I know. It gets old. Sometimes it even gets personal.

At this fall's reception to mark the opening of the new Linus Pauling Science Center (see photos, inside cover and page 37) I arrived early and was aimlessly wandering around, wondering if anyone could tell that my sport coat had recently been in a motorcycle saddlebag, when Dean of Science Sherman Bloomer whisked me away on a private tour. He showed me the inspiring combination of perfectly designed



An overjoyed OSU Dean of Science Sherman Bloomer helps lead the celebration of the opening of the Linus Pauling Science Center earlier this year. PHOTO BY KARL MAASDAM

us how humbling it has been for them to get to know the great scientists and teachers who will inhabit the building as they do world-changing research and train world-changing students.

Pretty tough to hear, huh?

Often we're subjected to remarks by bright, articulate students who explain how their experience and their teachers at the university have transformed their lives, giving them the skills they'll need to work way out on the far reaches of current knowledge. Then they promise to forever do that work as an expression of eternal gratitude for what they've been given at OSU.

No, that is *not* a tear in my eye.

Then the scientists and teachers take the podium and tell us that they love working at OSU, where collaboration is king and the eye is on the prize and the prize is a constant stream of solutions to the problems that face us all. They thank everyone in sight and many who are out of sight for letting them work in the new build-

research labs, teaching spaces and art that is the Pauling building.

As I walked with him I thought back to one of the first times I interviewed him, several years ago when the building was but a rumor and he seemed *way* too excited about an idea that still needed at least another \$20 million in support.

Now I listened to him describe how the project came in under budget and early, with every saved cent spent to make it even better. He smiled so broadly and unabashedly that it seemed he might hurt himself as he struggled to express how much great science would be done in this building.

And it dawned on me: If you want to know about the heart of an institution, look at where its money goes when times are tough.

I don't know about you, but my orange and black pride is just fine.

— Kevin Miller, '78
Editor, Oregon Stater



OSU forestry professor and extension agent Rick Fletcher, '75, often makes farm calls like this one to the Sunrise Tree Farm. Owner Betty Malone takes a break from trimming Christmas trees to talk with Fletcher on her Philomath farm. Read about the many faces of OSU Extension as it turns 100, on page 18. PHOTO BY LYNN KETCHUM



ON THE COVER: 2009 chemical engineering graduate Lindsey Yoder wears a clean-room suit while making vaccines for Merck & Co., and an entirely different uniform in her second job, as an NFL cheerleader. See story, page 14. PHOTOS BY ANDREAS SEIBOLD; DESIGN BY TERESA HALL

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In his annual report to alumni, President Ed Ray likens the university to an engine for a better state, nation and world.

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The educated, passionate giving of Roseburg's Ford family is improving lives and facilities at Oregon State and elsewhere.

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The *Stater's* resident historian signs off with a list of OSU's top 10 historical moments. Guess whose administration rocketed from off the charts to No. 2.

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Out of its first century and into its next, no part of OSU is more focused on putting knowledge to work in the lives of Oregonians than is OSU Extension.

AND MUCH, MUCH MORE ...

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Go Duck go!

I'm proud to be an OSU grad (1973), thus I somewhat go along with the rivalry between us and that "other college" a ways up the valley.

So, I was amused to find myself — when recently stuck behind a very slow car sporting a "DUCKS" sticker in the rear window — muttering "Go Ducks!"

Go **Beavers**.

Joan Nelson MacNeill, '73
Portland

Feature good; date wrong

I think your idea of the 20 defining moments in OSU history is an excellent idea. Your item 13, I singled out with great interest. I was a 1952 OSC graduate in civil engineering and a DMG (distinguished military graduate) from the ROTC program. Therefore, on June 9, 1952, (my 23rd birthday) I was given a regular US Army second lieutenant commission along with my BS degree and was on top of the

world heading to Korea to serve, since I was too young for World War II.

A picture (accompanying the article) is labeled, "A 1950s Memorial Day formation in front of the Memorial Union." I am very certain this picture was taken most likely in the 30's at the latest. We did not wear the leggings when I was in ROTC starting in 1948. The back of the car that shows up, somewhat in the center of the picture looks like maybe a 1938-39 General Motors product.

Edward "Jack" Geer, '52
Sherwood

Editor's note: Thanks to this and other notices of the error sent or called in by readers, the OSU Archives staff has changed the date citation on the photograph in question to "circa 1940."

Roots in Bend

I read the fall 2011 issue with excitement, interest and pride about the advances of the OSU Cascades campus. After many years

residing in Bend, I left Central Oregon for a work promotion in 1986. I continue to have connections there through friends and former colleagues. Proudly, I am also an OSU grad whose degree began in Bend.

In 1985 I graduated from OSU with the very first group of students in Bend to receive OSU degrees in an extended learning program. There was no Cascades campus or permanent physical site in Bend, but my OSU degree was the true beginning of OSU's broadening scope in Central Oregon. All of my OSU classes were taken in Bend under the instruction of visiting OSU professors.

While I understand the magnitude of pride that your article exudes, I can't help but wonder if OSU has forgotten how this past decade of growth actually began. It began many decades ago with a handful of Bend students earning OSU degrees in 1985 — not just in the last decade. I believe the beginning of OSU's journey of educational growth in Central Oregon is just as important as the

Fall 'Ed Said' feature triggered an unprecedented response

Editor's note: My first meeting with President Ed Ray, in 2006, started with him asking what I thought of alumni magazines in general. I said I thought a lot of them were boring. He observed with a laugh that often the most boring part was anything written by the university president. Our interview-based "Ed Said" feature was created in reaction to that, and has become a strong platform for the candor that characterizes his approach to issues. When he discussed the need for cultural centers on campus in the fall "Ed Said," both of us expected a response, but we were still pleasantly surprised by the outpouring that followed. Below is just a sampling of the reaction to the piece, which has been republished many times:

— "I commend you on this outstanding and compelling piece on the importance of inclusiveness. Well done!"

— "Bravo. One of the best messages ever put out by the President's Office."

— "Fantastic read President Ray! Very honest and includes something that everyone can relate to ... Great reminders for us all. Thank you for being a great leader for Oregon State University!"

— "I just wanted you to know how much this article meant to me. I read it in the *Stater* and as an 'other,' I felt your acknowledgement.



Those who missed it can read the "Ed Said" feature from the fall 2011 *Stater* online at j.mp/fall2011edsaid.

Thank you for this very meaningful story about your experience and that of the 'others.' — "Many thanks for this."

— "Great article. I grew up on the other end of the Q28 bus from Flushing (Bayside to be exact), although the first six months of my life were spent in Flushing. I was in a Jewish, Irish, Italian, Greek neighborhood and spent much of my early life in a low-level war with the Catholic kids. Forget Protestant kids — never met any until I went to summer day camp out on the Island (at L.I. Lutheran High). That was an eye opener. So good on you! I am old enough to still remember blatant discrimination against Jewish kids. So I'm

one of the whiter (occasional) members of the NAACP."

— "Thank you for the discussion about 'being other.' I read every word. I don't usually. I am still learning what it means to have 'white privilege,' but I know I have it. Since I arrived at OSU 5 years ago, I have wondered what and who is in those 'special buildings.' I am motivated now to stop in and visit with someone in each one, during this year. This certainly is the time."

Editor's note: President Ray notes that he meant to emphasize in the original piece that the cultural centers are important places for everyone to visit and learn.

— "I just wanted to personally thank you for this eloquent and personal article. The message could not be more important as we continue to strive toward making OSU a more welcoming and inclusive place to live, learn and work. Thanks for putting yourself out there and being an example to our community!"

— "Ed, having read your remarks on what it's like to be 'the other,' and for multiple reasons stemming from my own life experiences, I want to thank you for deciding to make Oregon State the place where you invest your energy."

past decade of success. Rarely, if ever, do I read about those beginnings in the *Oregon Stater* or in the *Bend Bulletin*.

OSU-Cascades deserves every single accolade; it is a credit to the community and OSU. At some point, though, it might put OSU's historical truth in a clearer light if OSU's 1980s roots in Bend are exposed as the impetus for current extended learning in Central Oregon.

Barry Wiedemann, '85
Placerville, Calif.

Prefers melting pot

I read with interest President Ray's comments on cultural diversity. His anecdotes from his childhood showed a lot about attitudes at the time towards people of other cultures, races and religions. We of course still have biases for and against people of various cultures, but his article did not address how the four cultural centers on campus will address those biases. I've had friends in academia who were black, white, Mexican, Eastern European, Indian, Chinese, gay, straight, male, female, Irish, Italian, Jewish, Mormon, atheistic, with mental and physical ailments, etc., etc.

None of them needed 'cultural centers' to feel included. Isn't it better to recognize differences (NONE of us is 'normal') and also look for similarities? It seems to me that having centers for specific cultures just serves to re-emphasize the differences and keep people from joining the 'melting pot' that is the US.

Christine Armer, '03
Hillsboro

Editor's note: See previous page for a sampling of the overwhelming, and overwhelmingly positive, response to President Ray's remarks on what it's like to be "the other," in the Ed Said column in the fall Stater.

Not downtrodden

I had just opened the latest issue of the *Oregon Stater*, and was taken aback by the photo caption on page 3, "Members of OSU's Students in Free Enterprise group fight hunger and help the downtrodden while learning the basics of business."

To call people "downtrodden" is offensive and anachronistic. It depicts people — in this case, brown-skinned children — as oppressed, powerless and subservient. Across the U.S., people are experiencing severe poverty, and

hunger is becoming a huge problem for more of our population, including those who have never experienced it.

But that does not mean that people are without agency, waiting to be saved. That is what "downtrodden" conveys. When I was a student in the early 1990s, it was OSU professors who first taught me the power of language, and that essentializing people through language is harmful and misleading. I can only hope that although SIFE is the subject of this article, its students have a more enlightened and complex understanding of the individuals they serve in their programs. Bad form, *Oregon Stater*, bad form.

Stephanie Morgan Hazel, '95, '96
Fairfax, Va.

Editor's note: Let it be known that the editor, not the writer, wrote the caption in question.

96 years young in the O.C.

Hello from Orange County, California.

I always read every word in the *Stater*, but alas there isn't much news about alums from 1937. Since I am now nearing age 96 I must assume that most alums from the thirties are also in their nineties if they are still around. For those who are, "Are you now in Southern California? Or where?" I would love to be in touch with anyone from that era.

I visit relatives in Oregon once a year. My brother-in-law, Bill Patrick, is still alive and well in Lake Oswego. I always see him when I visit my niece, Shelley, in Tualatin.

And I am alive and well, living in Laguna Woods (formerly Leisure World) in Orange County. It is a wonderful place to be retired. I've been here almost 20 years now, and I'm still surprised to be anywhere at this age!

Congratulations on your great alum magazine.

Pat Mayo, '37
Laguna Woods, Calif.

R.I.P. Sam Wheeler

Enjoyed your article on Sam Wheeler. I met Sam while working for Willamette during summer vacation from OSC. He was the manager of Western Veneer & Plywood near Lebanon. They pioneered the use of white spec veneer peeled from cull logs to produce plywood. With his introduction to chemistry at Cal Tech, I believe Sam contributed to the breakthrough in producing southern pine plywood. Sam was a V.P. at Willamette

Industries when they built the Santiam-Southern plywood plant in Louisiana.

Don Alanen, '59
Beaverton

Hard to read

I'm wondering how many of the 160,000 alumni (assuming all OSC/OSU alumni still alive get it) who get the *Stater* have had the same trouble reading it as I have, especially the latest edition. You have reduced font size to the point where a magnifying glass is almost necessary. Same is true of using gray or very light black ink.

I realize larger type size would require more pages to get the same size articles into the issue. But, the number of words in each article could be reduced by 100 and that may make up the difference. I'm sure your authors could comply.

Anyway, that's my 25 cents worth. No criticism of the issue other than technical ones.

Jackie Jacobs Rusch, '51
Los Altos, Calif.

Editor's note: Jackie Rusch, the first woman to graduate from OSU in food science, was featured The Campaign for OSU advertisement on the back cover of the fall issue. The debate between editors and designers (and readers) about type size is immortal. We will take another look and try to do better.

Letters policy

We love them and might edit them for clarity, brevity or factual accuracy.

Email to stater@oregonstate.edu or mail to Letters to the Editor, *Oregon Stater*, OSUAA, 204 CH2M HILL Alumni Center, Corvallis, OR 97331-6303.

Corrections

Jean Starker Roth's last name was misspelled in a story about OSUAA awards on page 43 of the fall issue.

The photograph of a military formation in front of the Memorial Union that appeared on page 45 of the fall issue was incorrectly dated. It was taken circa 1940.

The first name of Dorys Grover, '51, was misspelled in Class Notes on page 53 of the fall issue.

Report errors at stater@oregonstate.edu or at Corrections, *Oregon Stater*, 204 CH2M HILL Alumni Center, Corvallis, OR 97331-6303.

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Faculty earn nearly \$42 million in research grants in September, making it the best month ever

Faculty at OSU, already among the nation's leading four-year research universities, set a sizable new institutional record in monthly contracts and grants, earning nearly \$42 million in September. The total was about \$7.5 million larger than OSU's previous monthly high point, established in 2004-05, when two foundations combined to provide \$24.5 million to the OSU-led Partnership for Interdisciplinary Studies of Coastal Oceans. By comparison, the largest grant in September 2011's total came from the National Science Foundation — \$12 million for a green materials chemistry center being developed with partners from the University of Oregon and elsewhere.

Only three other grants among the month's diverse 222 awards were in excess of \$1 million. Federal departments from NASA to USDA — 13 agencies in all — funded OSU studies, as did a long and diverse list of state agencies, private foundations, university partners and five separate industry interests, including Hewlett-Packard and major firms in energy exploration and development.

The funding is vital to pushing the boundaries of research forward and OSU plays an integral role in that regard. Faculty in some of its most prominent areas — the College of Agricultural Science, for instance — find their work cited by other scientists more often than those of any similar faculty in the United States.

"Even as the funding environment becomes more competitive, our faculty consistently rise to the challenge, both at the federal level and in creating research partnerships with private industry and other research enterprises," said OSU President Ed Ray.



Geosciences and COAS form new college

The geosciences program is joining the College of Oceanic and Atmospheric Sciences to form a powerful new academic and research college at OSU focusing on the Earth as an integrated system. Impetus for the move came from the faculty of both units, according to Mark Abbott, dean of the newly named College of Earth, Ocean and Atmospheric Sciences.

"The faculty have been thinking about and planning this for more than a decade," Abbott said. "It makes sense to look at terrestrial environments and ecology and the way they interact with oceans and the atmosphere as part of a 'whole Earth' approach. The opportunities for collaborative research and education are enormous."

OSU's strengths in earth, ocean and atmospheric sciences are global in scope, ranging from coastal ocean dynamics and their impact on ocean ecosystems, to the study of undersea volcanoes and their link to plate tectonics, to how changes in Earth's continents affected ancient climates. OSU is internationally recognized as a leader in the study of the Earth as an integrated system.

Faculty in the former Department of Geosciences, which had been in the College of Science, also are internationally known, with expertise in high-latitude ice sheets, glaciers, climate change, plate tectonics, volcanoes, earthquakes, snowpack, hydrology and water resources, mineral deposits, cartography and geographic information systems.

"The new college will be like an 'honors college' for Earth sciences," Abbott said.

▲ A natural marriage of the study of the Earth and the study of its oceans has resulted in a powerful new college at OSU. This land-meets-sea image of the mouth of the Columbia River is from the International Space Station via the Hyperspectral Imager for the Coastal Ocean, or HICO. IMAGE COURTESY OSU AND THE NAVAL RESEARCH LABORATORY

Discovery offers hope for a new therapy approach for Lou Gehrig's disease

Researchers in Uruguay and Oregon have discovered a previously unknown type of neural cell that appears to be closely linked to the progression of amyotrophic lateral sclerosis, or Lou Gehrig's disease and they believe it will provide an important new approach to therapies.

There is now no treatment for this disease, which causes progressive death of motor neurons, serious debility, paralysis and ultimately death within a few years. Even a way to slow its progression would be hugely important, scientists say.

The findings were reported in *Proceedings of the National Academy of Sciences*, by researchers from the Pasteur Institute of Montevideo, Clemente Estable Institute and the Linus Pauling Institute at OSU.

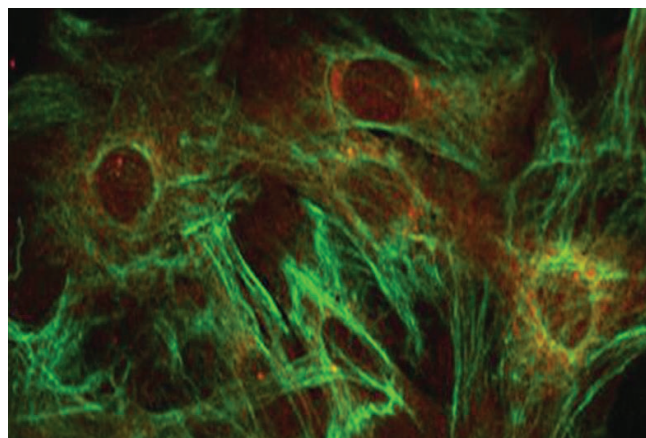
The scientists discovered a type of "astrocyte" cell that displays atypical behavior and causes motor neuron death. They are referring to them as aberrant astrocyte, or AbA cells. Astrocyte cells are very in the brain and usually help provide metabolic support and protection to neurons.

But they can sometimes also become toxic and cause the death of neuron cells.

The researchers now have markers to identify the AbA cells and found them adjacent to dying motor neuron cells in the spinal cord of laboratory animals with ALS.

The newly-identified AbA cells are selectively toxic to motor neurons, the researchers reported in the study and 10 times more toxic than any other astrocyte cell known to exist. That level of toxicity is unprecedented, they said.

"We believe these AbA cells are helping drive the progression of ALS," said Joe Beckman, an OSU professor of biochemistry and principal inves-



▲ Astrocyte cells seen in this image may play a role in the progression of amyotrophic lateral sclerosis, or Lou Gehrig's disease. IMAGE COURTESY OSU

tigator in the Linus Pauling Institute who has been working on amyotrophic lateral sclerosis for more than 15 years.

"These cells are a new target to aim at, a basis for therapies for this disease," Beckman said. "It should allow us to rapidly screen existing or new drugs to identify ones that could kill the AbA cells, which are easy to culture in the laboratory. This is very exciting."



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Keeping it smooth between town & gown

Without a doubt the fortunes of Corvallis and Oregon State University are inextricably linked.

As OSU moves past 25,000 students and looks ahead to more years of record enrollment, the city and the university face the task of handling that growth without losing their essential character. In this issue's "Ed Said," President Ed Ray takes a candid look at the challenges ahead and strongly states his commitment that OSU must be part of the solution off campus as well as on campus:

"We really are in a wonderful place here in Corvallis as a community. If you talk to people on the street, you don't sense a constant and broad based friction or barrier between the people who have lived in the town all their lives, perhaps, and the university. Go to some other places with major universities and listen to the conversations about the problems that exist between the city and activities that emanate from the campus, and it's palpable, it's hostile, the so called 'town-gown problem' — it's really not good at all.

"I don't have a sense of that here. ... I had one alum who told me this place was perfect for him, and really different from the homes of many other major universities, in that it really has a small-town feel about it, not just on campus but off campus. What he needed when he went to college was a place where he could really focus on learning and figuring out who he was and what he wanted to do. He said that Corvallis was hassle-free ... and that allowed him to pretty much focus 24/7 on becoming the best him that he could be.

"Part of what's brought our most remarkable students here and part of what's kept the best and brightest of our faculty and staff here — and it still serves as a tremendous draw when we're recruiting — is the look and feel of this community. We have a very strong interest in preserving that. Alumni tell me often how beautiful this community is and how memorable it was to study here and they are not just talking about the confines of the campus but the entire community we share."

The president noted that OSU's growth cuts both ways for Corvallis. It's one of the main reasons the unemployment rate in the surrounding county is at a seasonably adjusted 6.6 percent, compared to a statewide average of 9.6 percent. Meanwhile, with enrollment setting records every



year, traffic is becoming heavier, parking spaces harder to find and housing more expensive as students rent homes in neighborhoods where that's been rare in the past.

"Traffic is getting tougher here. I remember when we had been here about a year, they put a traffic light up at Brooklane Drive and Philomath Boulevard for the first time, and after I drove to work one day I told people I was in my first traffic jam in Corvallis: I was the fifth car at the light.

"That's not to make light of the fact that there are a lot of people in the near-campus community who are terribly frustrated by traffic and by students parking their cars so that it's tough for residents and visitors to access their homes — we have to deal with that. But that story does reflect the reality that while the net impact of the university on the broader community is overwhelmingly positive in terms of economic vitality, jobs, cultural events, national and international recognition, the costs are borne most heavily by our friends and neighbors in the near campus area. We — the university and the city — must take specific and effective actions to mitigate the costs they bear as the result of growth and change. The reality is that this place is still very, very special and we have a responsibility to keep it that way.

"Transportation issues are complex to analyze. We do have more students than we've ever had. We're talking 23,000 students on campus and another 2,000 online. We need to look carefully at why 23,000 in enrollment is so hard to manage. We need to look at bus service, at shuttles, at where we've placed parking facilities, whether it's garages or

surface lots. We need to look at where we've been building on campus and we need to look at how the roads on campus are configured — where the obvious entrance and egress points are. Are they located where they compound the problems that exist in the off-campus area?"

Ray caused quite a stir in Corvallis in October 2009 when he released his projection that OSU's enrollment could rise to 30,000 or even 35,000 by the year 2025. State initiatives calling for a greater percentage of Oregonians to earn college degrees would have OSU's enrollment growing to as many as 40,000 over that period. As a result, Ray and his staff and Corvallis Mayor Julie Manning and her staff are setting up committees and study groups to anticipate impacts and potential solutions.

"As soon as I said our enrollment could grow to as much as 30,000 or 35,000 students, people stepped back and said, 'Whoa! We've gotta have a conversation here.' That's really what I wanted. I certainly wasn't thinking about getting everybody mad at me but I failed to appreciate the extent to which the negative impacts of growth are already being borne overwhelmingly by our friends and neighbors in the near campus areas.

"I want us to talk about how we manage growth and change so that we preserve the best of what we've got here. Again, when I talk to alumni and they talk about their experience at Oregon State University, and how beautiful it is and about how much they enjoyed living here, they're not just talking about the campus, they're talking about Corvallis and the surrounding area.

"I was talking to an alumna recently who had come back for one of our facility opening events after being away four or five years, and she said what struck her on the drive down from Portland was just how incredibly beautiful it is. When you're here for a while you tend to get used to it, but this is an incredibly beautiful area."

In addition to traffic and parking, he sees a dearth of affordable housing and a lack of new family-wage jobs as worrisome.

"One of the things I hear is that for our younger faculty and staff this is a remarkable place to have a family, to raise children. The schools are terrific; the community is very welcoming and supportive. The other side of that is that for the 20- or 30-somethings who are single, or the couples without children, they don't find some of the amenities and attractions that they would like to have.

"Housing is a key aspect to all of this. I was really surprised when I first came here to learn how closed this community is when it comes to affordable housing. I've had faculty say that some of their colleagues can't afford to live in Corvallis. So, one source of traffic congestion is that we have a lot of people who work here and live in Albany, Sweet Home, Lebanon, Philomath and other places, because they simply cannot afford to live here.

"I don't know what, if anything, can be done about that, but I hope as we go forward working with the city, we finally do step up and address the issue of affordability. Recently, I was shocked to learn that the (K-12) school-age population of Corvallis has been declining for the last 10 years. That's about affordable housing and family-wage jobs.

"Some community people ask me why the university doesn't provide much more housing for students. Any housing we build has to pay for itself. So, what we can afford to build depends in part on what the city and county do to provide affordable housing. Also, we cannot build any housing without legislative approval. Last session we asked for approval to sell XI-F bonds that we would pay for to build a new five-story, 270-unit student housing building and the Legislature said 'No!' We are trying to get approval in the February 2012 session."

An economist by training and at heart, Ray would love to see more growth of good, local jobs fueled by OSU grads who want to start businesses and remain in Corvallis.

"This community needs to figure out how we harness the incredible vitality and energy that emanates from this university, and from places like Hewlett-Packard, Good Samaritan Regional Hospital and the Corvallis Clinic. We have some points of incredible talent and creativity in this community. How do we harness that in a way that's supportive of the livability and the quality of life that we all value? We don't want to put up businesses with smokestacks; we want to put up white-collar, high-tech, high-pay businesses and jobs.

"We — the university and the city, collectively — need to do a better job of getting some of the incredible people who are getting degrees here to stay here and raise families and add to the diversity and vitality of this community. We're not doing enough. We're not harnessing that as effectively as we could. Mayor Manning gets it. She's very interested in finding ways to get graduates to stay here, raise families and grow jobs. We're talking about white-collar, green businesses and jobs. These are professionals who, if their businesses can be successful, will be high-income earners.

"The benefits to the broader community can be great, but we're not there yet. We've got a lot of catching up to do. I think the university has a tremendous responsibility to help with this. It's the smart thing to do. As I said before, we attract tremendously smart and intelligent people to the university because this is such a special place, and that's not just the campus, it's the broader community.

"If we want to continue to have that advantage relative to many other places, we've got to invest our time, talent and resources in making sure that we don't thoughtlessly let that livability and quality of life deteriorate."

Ray also said that for its own good and for Corvallis' sake, OSU must be shrewd in managing its enrollment, and not just let itself grow and grow. He believes a university like OSU has a uniquely appropriate, steady-state number of students that would help it efficiently fulfill its mission, and he expects OSU's enrollment to settle closer to 30,000 than 40,000. He has tasked a group to study other universities and try to determine where OSU's appropriate "set point" is.

"We certainly don't want to be 40,000. ... We want to be big enough to have the critical mass of faculty and skilled associates and graduate students to capture the economies of scale and scope needed to compete in Earth systems sciences, human health and wellness, and economic growth and innovation at the highest levels possible. We want our graduates' research and creative work, and our services throughout the state and around the world to be the most positive and powerful force for good possible. We want to be large and complex enough to be among the best. We don't want to be bigger than that. I don't want us to go to 34,000 and then say, 'Oh, we really should have stayed at 32,000.'"

He promised that in the short term, Corvallis residents will see more than committee reports and new projections.

"We need to do things. We, the university and the city, need to demonstrate by the end of next summer that something is different. I've told people that the touchstone for me is that by the end of next summer,

while people in the near-campus areas might not say 'Things are great now, everything is good,' they would say, 'You know what? I actually see some change in the right direction. There's been a response.'"

Some of the impact of the university's growth on its neighbors can be lessened simply by students being more considerate of their off-campus neighbors, he said.

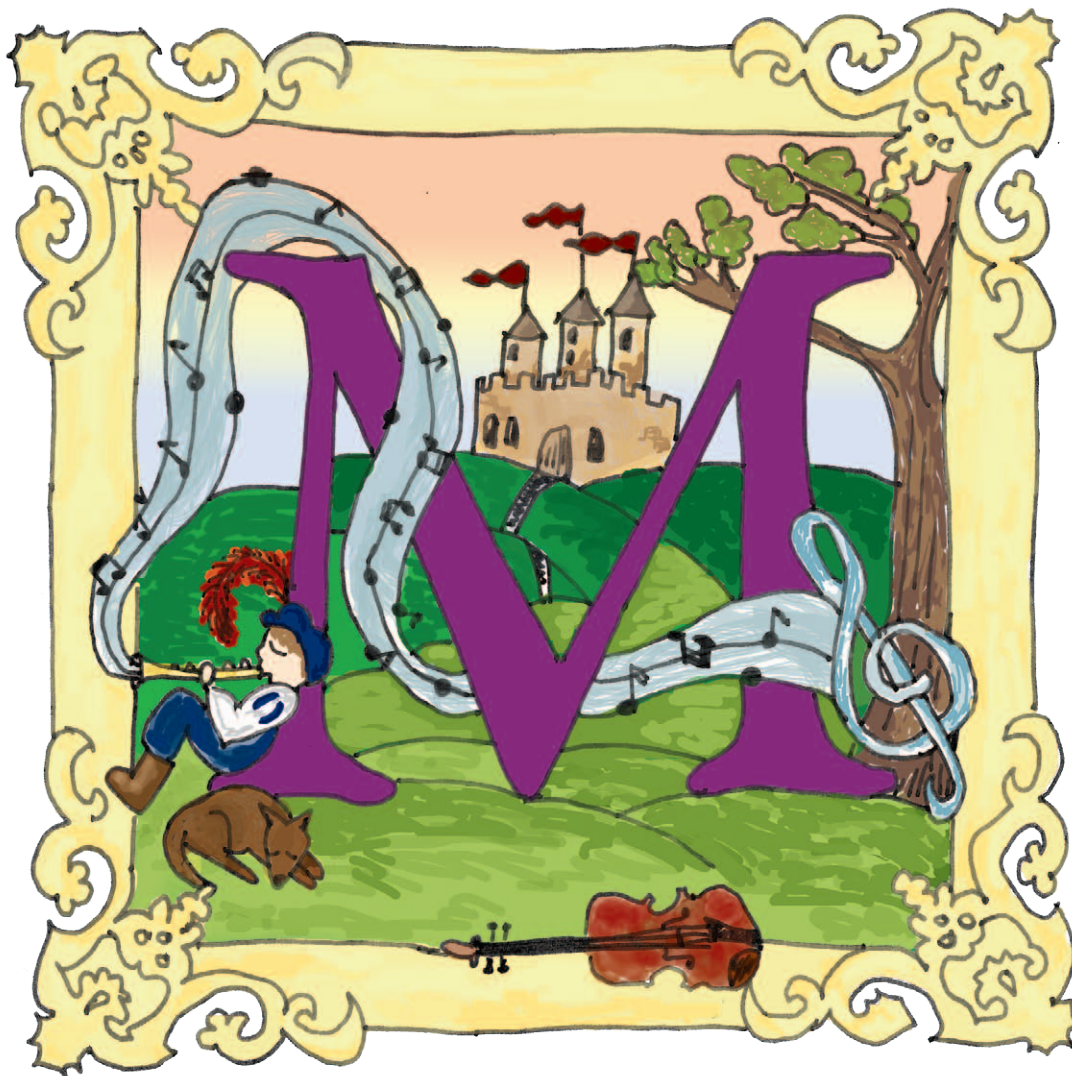
"One of the things we need to look at is enforcement of our student code of conduct which — I was pleased to learn — we do have the ability to enforce off campus.

"This is unfortunately part of life, you know? I'm leading the infractions group of the NCAA, which is trying to change the calculus so that bad actors will think twice before they behave badly in the area of NCAA sports and related activities. It's no different for us as a university and community. We need to look at the behavior issues off campus and see if maybe we need to ratchet things up. It is important for the city and community to let us know when there are problems in their neighborhoods.

"We've got the tools. We need to use them effectively."

"I want us to talk about how we manage growth and change so that we preserve the best of what we've got here."

~Pres. Ed Ray



USIC.

ABOUT 4 PERCENT OF OREGON STATE STUDENTS LIST IT AS A MAJOR AND MANY OTHERS SOOTHE THEIR SOULS BY SINGING, PLAYING AND LEARNING ABOUT IT WHILE PURSUING OTHER MAJORS. FOR A CHANGE OF PACE, AND FIGURING WE ALL COULD USE A LITTLE SOOTHING THIS TIME OF YEAR, WE ASKED ANGELA CARLSON, WHO TEACHES MUSIC THEORY IN THE SCHOOL OF ARTS AND COMMUNICATION, TO PROVIDE A SET OF CLASSICAL PUZZLERS FOR THIS ISSUE'S POP QUIZ. (WARNING: IF YOU THINK THAT PRETTY PIECE THEY PLAY SO OFTEN AT WEDDINGS AND GRADUATIONS IS CALLED "TACO BELL'S CANNON," YOU'RE IN FOR A ROUGH RIDE.) ANSWERS ARE ON PAGE 58.

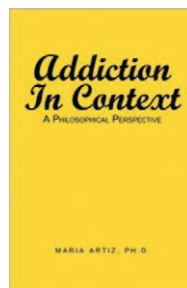
1. OF WHAT MALADY DID VIOLETTA DIE?
2. TRUE OR FALSE: PACHELBEL'S CANON IN D IS BOTH A CANON AND A GROUND BASS.
3. WHAT CHARACTER IN MOZART'S MAGIC FLUTE HAS THE LOWEST VOICE? THE HIGHEST?
4. TRUE OR FALSE: BEETHOVEN BEGAN GOING DEAF WHEN HE WAS IN HIS 50S.
5. HOW MANY WIVES DID J. S. BACH HAVE? HOW MANY CHILDREN?

BOOK NOTES



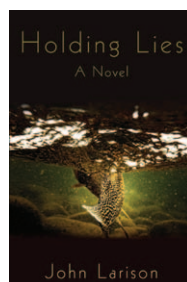
Achieving Success for Kids: A Plan for Returning to Core Values, Beliefs, and Principles (Rowman & Littlefield Education) by Tim L. Adsit, '70, '72. Adsit provides a blueprint for achieving and exceeding international standards in American schools.

Addiction in Context: A Philosophical Perspective (Trafford Publishing) by Maria Artiz (Maria McNally Saenz, '79) The author examines cultural influences on addiction.



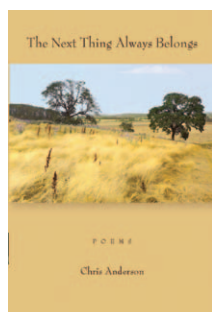
Aftermath (Hawthorne Books) by Scott Nadelson, '00. In this short story collection, Nadelson explores the complexity of love and change.

Holding Lies (Skyhorse Publishing) by John Larison, OSU English instructor. A river guide struggles to reconnect with his daughter in the midst of a murder investigation in his fictional Pacific Northwest town.



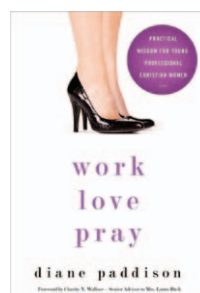
Pauline Kael: A Life in the Dark (Viking) by Brian Kellow, '82. Kellow traces the life and career of *The New Yorker's* influential, powerful and controversial film critic.

Riding With Reindeer: A Bicycle Odyssey Through Finland, Lapland, and Arctic Norway (Rivendell Publishing Northwest) by Robert M. Goldstein, '77. Humorous narrative about the author's cycling adventures is interspersed with cultural and historical anecdotes.



The Next Thing Always Belongs (Airlie Press) by Chris Anderson, OSU professor of English. Anderson translates experience into verse, asking questions and answering them in the way only poetry can.

Work, Love, Pray (Zondervan) by Diane Detering Paddison, '81. Paddison includes stories and advice about the life struggles facing young professional women.



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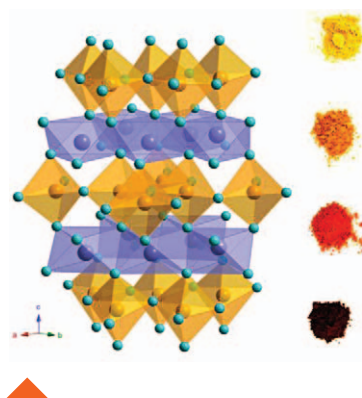
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OSU pigment discovery expanding to new colors – including orange

Chemists at OSU have discovered that the same crystal structure they identified two years ago to create what may be the world's best blue pigment can also be used with different elements to create other colors, with significant potential in the paint and pigment industries.



The unusual “trigonal bipyramidal” crystalline structure seen here is being used by researchers at OSU to create a range of new pigments with properties of safety and stability that should have important applications in the paint and pigment industries. IMAGE COURTESY OSU

First on the list, appropriately for the Beavers, is a brilliant orange pigment. But the broader potential for these pigments, researchers say, is the ability to tweak essentially the same chemical structure in slightly different ways to create a whole range of new colors in pigments that may be safer to produce, more durable and more environmentally benign than many of those that now exist.

Among the possibilities, they say, are colors that should be of interest to OSU's athletic rival 40 miles down the road at the University of Oregon — yellow and green.

“The basic crystal structure

we're using for these pigments was known before, but no one had ever considered using it for any commercial purpose, including pigments,” said Mas Subramanian, the Milton Harris Professor of Materials Science in the OSU Department of Chemistry.

“All of these colors should share the same characteristics of being extremely stable, durable and resistant to heat and acid,” he said. “And they are based on the same crystal structure, so minor adjustments to the technology will produce very different colors and very high quality pigments.”

OSU has already applied for a patent on this technology, samples are now being tested by private industry and the latest findings were published recently in *Inorganic Chemistry*, a journal of the American Chemical Society. The research has been supported by the National Science Foundation.

This invention evolved from what was essentially an accidental discovery in 2009 in an OSU lab, where Subramanian was exploring some manganese oxides for interesting electronic properties. At one stage of the process, when a sample had been heated to almost 2,000 degrees Fahrenheit, the compound turned a vivid blue.

It was found that this chemistry had interesting properties that affect the absorption of light and consequently its color. So Subramanian and his research team, including OSU professor emeritus Art Sleight, quickly shifted their electronics research into what may become a revolution in the paint and pigment industry. Future applications may range from inkjet printers to automobiles or even ordinary house paint.

Expanding energy program saves industries more money

The Energy Efficiency Center at OSU, a program that has saved \$88 million for Oregon industry in the past 24 years, will soon double the number of its industrial assessments and integrate more students and faculty into the program with a new five-year, \$1.5 million grant from the U.S. Department of Energy.

This program helps train students in the latest energy-efficient technologies while providing a valuable service to Oregon companies. The new support will allow it to do about 24 industrial assessments a year. It is also receiving an additional \$35,000 from the Oregon Built Environment and Sustainable Technologies Center.

“We're now planning to serve a wider range of companies, not just manufacturers,” said Joe Junker, '87, director of the program which is based in the Department of Mechanical, Industrial and Manufacturing Engineering. “This will open some exciting new opportunities.

“These services usually help companies save \$70,000 or more a year and the cost of any needed changes is usually paid off within a year,” Junker said. “It's also a valuable and practical experience for students, helping them gain a real understanding of field situations for industry and building their presentation and leadership skills.”

Oregon State University? There's an app for that

The hard-working computer whizzes at OSU have produced a free application that should have Beavers who carry Apple iPhones smiling.

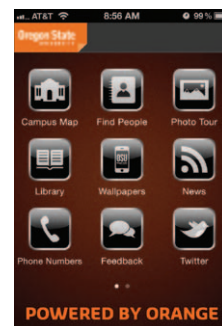
Now available in Apple's App Store, the iOSU app provides a pocket-sized resource full of practical and interesting features, including, but not limited to:

- A dynamic campus map that uses the iPhone's GPS feature
- A people finder
- A photo tour of campus
- Links to library mobile sites
- OSU wallpapers for the iPhone
- News feeds, including the *Stater's*
- Access to the mobile-friendly OSU home page
- Key contact numbers
- OSU's Twitter feed

More features are being added all the time. For more information and a link to the App Store download, visit oregonstate.edu/iosu or go to the App Store on your iPhone and enter “iOSU” in the search box.

The app started as a senior capstone project in the School of Electrical Engineering & Computer Science and then OSU's Central Web Services carried it through to completion, with the project led by Shayne Huddleston. Plans for the future include versions for other platforms.

As the university says in its promotional materials for the app: “OSU. In the palm of your hand.”





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In her spare time ...

**Recent chemical engineering grad
has a demanding job making
life-saving vaccines.**

**On the side, she's an
NFL cheerleader.**



By Kevin Miller

Best not tell Lindsey Yoder to choose between two things she wants to do, no matter how difficult or disparate they are.

On workdays, that's her, a 2009 OSU graduate, in a white, head-to-toe clean-room suit or a Merck & Co. uniform polo shirt, wearing no makeup because it's banned in the facility, watching over the complex process of making vaccines for chicken pox and MMR (measles, mumps and rubella) at a state-of-the-art production plant in Durham, North Carolina.

On Sundays, there she is wearing quite a bit less, her hair and makeup professionally done, dancing with the other TopCats in front of television cameras as she helps 70,000 screaming fans cheer on Cam Newton and the rest of the Carolina Panthers in Charlotte's Bank of America Stadium.

If there's another woman in the nation who is a working chemical engineer *and* an NFL cheerleader, it's a secret. But to those who know Yoder, including the Oregon State alumna schoolteacher who taught her in first through third grades in Vancouver, Wash., it's not much of a surprise that if one woman in the country is doing both of those things, it's Lindsey Rucker Yoder.

"I've never had another student like Lindsey," said Chris Hutchinson Christianson, a 1982 OSU education graduate. "She was a phenomenal student when she was here and now she's a phenomenal 25-year-old woman. It says a lot about OSU that she has turned out the way she has and it says a lot about how she was raised. For as smart as she is — and she's very smart — Lindsey just kind of lives in Lindsey's own little world. She has not let others limit her. I talk about her often to my students."

Ellen Momsen coordinates the College of Engineering's efforts to help minority and female students thrive. She said Yoder was and still is one of the best examples of how — despite the sometimes crushing challenges of an engineering education — a talented student who works hard can have a rich, well-rounded life before and after graduation.

"She's a great example for everyone, men *and* women," Momsen said.

Lindsey was born the second daughter of Susan and Steven Rucker, a teacher and a salesman who was on the road a lot.



Ken Wilson, a veteran Merck engineer who supervises alumna Lindsey Yoder at the company's North Carolina vaccine plant, said her skills and approach to life made it easy for him to approve her attempt to add "NFL cheerleader" to her demanding list of duties. "I can tell sometimes on a Monday that Lindsey's tired," he said. "But she keeps a smile on her face and she keeps it going." PHOTO

BY ANDREAS SEIBOLD/GOODSTUFF.CREATIVE

"My dad wanted a son really bad so he kind of treated me like a son," Lindsey said with not a hint of complaint. "I didn't get Barbie dolls and things like that when I was young, I had train sets and Lego's. I loved math and I was always building things. So I think you could kind of see the engineer in me when I was very young.

"But I was also very outgoing, with this huge personality. I started dancing when I was four. I wanted to be a superstar. I and my friends would dress up like the Spice Girls and we would sing and put on performances. (She laughs at the memory.) I also had vocal lessons and we had performances. And I've always loved crowds. I would rather be dancing out there in front of 70,000 fans than in front of one or two people."

It didn't take her long to see that some of her schoolmates had trouble with the combination of Lindsey the brainiac and Lindsey the wannabe Spice Girl.

"I think I kind of kept the good-in-school part of me hidden early on. I never talked about it. My friends would be complaining about a test and I never said, 'Oh, I got an A on that test.' I challenged it more when I got into high school. I was a cheerleader and I saw that the perception of cheerleaders was so primitive and I thought, 'Why not embrace your inner nerd?' and I embraced it.

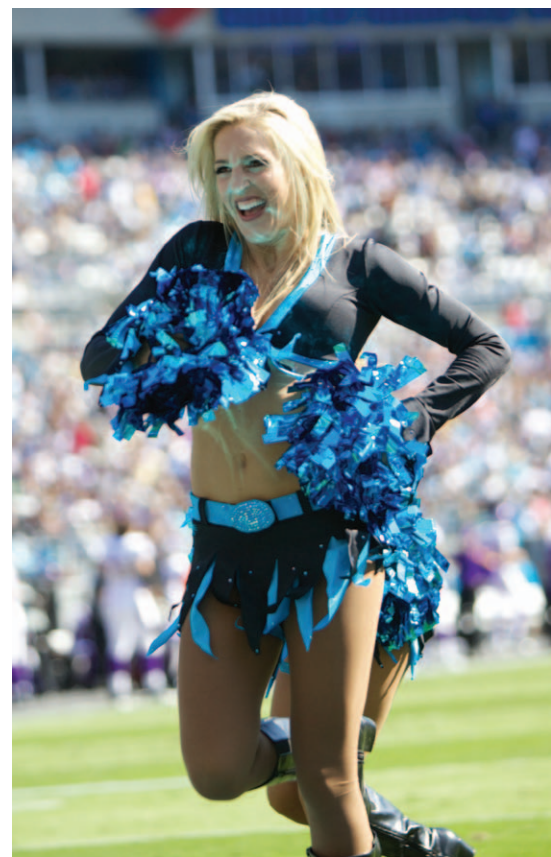
"From then on, there was never a time when people didn't want to hang out with me because I was a nerd. I think young girls need to know that."

She liked writing, hated history and loved science, but it was math that got her excited.

"Math, to me — OK, so here I'm *really* going to sound like a nerd — math is so *beautiful*!"

There's always an end, a definite end to it, whereas with art and literature there isn't an end. I like that closed loop, probably because I'm a little bit OCD.

"One of my science teachers in high school mentioned that her son was a chemical engineering major at Washington State. I'd never even heard of





▲ Yoder acknowledges that maintaining good grades in the chemical engineering program while being a member of the OSU Dance Team sometimes created nearly overwhelming time management issues. She survived, she says, by making a lot of lists and reminding herself that she was doing things that made her happy. PHOTO COURTESY LINDSEY YODER



engineering. I was one of those people who thought they just built roads and drove trains and stuff like that. When I looked into it, I knew instantly.

"It was my sophomore year of high school and I was like, 'I am going to be a chemical engineer.' I was definite about it. It was very odd, but I just knew it."

She had the grades and her family had the means for her to attend almost any engineering school in the nation, but as her college choice approached, her father suffered a life-threatening medical emergency — from which he has since recovered — that made her want to stay relatively close to home. Once she looked around the Northwest, she quickly settled on OSU.

"I absolutely loved

OSU," she said. "My mom and I visited on a beautiful fall day — with the oranges and the yellows and the reds — and we knew that I was going to go there. I love the small-town feel of Corvallis. And the engineering program — they do a great job of giving you a glimpse of everything you can do with engineering."

At first at OSU, she was caught a little off guard by being in a program where the ratio of males to females runs about six to one.

"It was even more odd to be one of the few blonde girls," she said. "I'll always remember when I showed up the first day in Dr. Skip Rochefort's class. I was in my sorority sweatshirt and I was all happy and people just kind of turned around and stared at me."

She made it through the chemical engineering curriculum — one of the toughest undergraduate majors at OSU — in four years and was on the OSU Dance Team that performs at athletic contests.

Today, when she's not working at Merck or driving the two-hour, one-way trip to Charlotte for TopCats practices or Panthers games, or cleaning the house or making lunches for herself and her

"My education at OSU definitely prepared me to deal with situations where a lot is thrown at you."

"At the time, you think, 'Man, I'm really unhappy with my teachers for throwing all this at me at once.'"

"But then you look back on it and you thank them."

~Lindsey Yoder

husband — "I'm very traditional that way," she says. "I do all the cooking and the laundry and I've never pushed the lawnmower or taken out the trash" — she co-leads a women's advocacy and assistance group on the Merck campus and she volunteers at a local grade school.

Her husband, John Yoder, is a 2007 OSU engineering grad who also works at Merck. He tutored her when she was a sophomore and they met again while attending an engineering conference as students. They would marry in 2009 but the relationship was not love at first sight.

"I wasn't embracing everything that OSU engineering had to offer and John challenged me

on that,” she said. He urged her to pursue engineering more as a profession and to get more involved in engineering-related activities. “I didn’t like that at first. I think a lot of girls are used to relationships where they don’t have someone who challenges them and tells them they can be better and do better than they are doing.”

Today she credits John’s support and their mutual Christian faith for her ability to meet her many commitments.

“It’s so important to have that support in your life,” she said. “My parents were very supportive and I’ve always had great mentors, from Mrs. C. in elementary school and on through OSU, where my professors never told me, ‘No, you can’t be a Chem-E and be on the dance team!’”

“It all goes back to someone just telling you they believe in you. There are so many young girls out there who — well, no one ever tells them they believe in them — and that’s just

horrible. You should never let someone tell you should quit a sport, or something else that makes you happy, because they are intimidated by your success.

“If you don’t follow your passion, if you don’t find a way to do what makes you happy, you’re going to go insane.” 🍌

Kevin Miller, ’78, is editor of the Oregon Stater.



Ellen Momsen, left, coordinates programs to assist and encourage minority and female students in the College of Engineering, including this mentoring and orientation class for freshman women who want to be engineers. Yoder says Momsen was an important mentor for her at OSU; Momsen says Yoder did the same for younger students as she progressed through the college. PHOTO BY DENNIS WOLVERTON



Life: Get Good at It

OSU Extension launches its second century by engaging Oregonians in life

By Peg Herring

On a busy street outside Portland City Hall, there's a garden. It's not a flowerbed. It's a vegetable garden. The greens growing there are headed to a food bank that provides meals for seniors. And the people tending the garden are OSU Extension-trained Master Gardeners.

Vegetables grow outside Portland City Hall, where earlier this year a garden replaced the lawn. OSU-trained Master Gardener volunteers, including Jen Aron (shown here ankle-deep in spinach) are responsible for the garden's upkeep. The produce is donated to a nonprofit agency that provides meals for seniors. PHOTO BY TIFFANY WOODS



OSU Extension viticulturist Patty Skinkis and Neil Shay, director of the OSU Wine Research Institute, walk a research block at the OSU Woodhall vineyard near Alpine. PHOTO BY LYNN KETCHUM

Today, there are 18,000 OSU Extension-trained volunteers actively engaged as Master Gardeners, Family Food Educators, Watershed Stewards, 4-H leaders and more. You've probably seen them or the results of their community work, in your neighborhood. They donate more than a million hours of service across Oregon each year.

Although many of these volunteers received their degrees from universities other than OSU, they are OSU alumni in many ways. They've received training, in some cases up to 80 hours of classroom and online instruction from OSU and they carry the Oregon State name with them to their communities as Extension volunteers.

These volunteers are part of a learning network that reaches across Oregon. For more than one hundred years, OSU Extension has connected people with knowledge to improve lives and livelihoods.

"The state *is* our campus," said Scott Reed, vice provost for the Division of University Outreach and Engagement and director of OSU Extension. "In Extension's second century, we're improving access to Extension education for all Oregonians and doing this with partners across the state."

Statewide access to education

In the early 1900s, when OSU was Oregon Agricultural College and railroads were beginning to crisscross the state, the college's

William Bradford, '10, fulfilled a dream by earning his bachelor's degree through OSU Extended Campus; now he's a graduate student at Harvard. PHOTO BY NANCY FROELICH



educators saw the opportunity to deliver education to people beyond the Corvallis campus. Professors set out by train, going town to town with specially rigged freight cars that served as lecture stage and laboratory, delivering demonstrations and important information about food safety, farm business and family health.

Today, there are 55 Extension sites located across the state, where OSU faculty deliver courses, workshops and access to expert information to help solve real-life problems. Maybe you've visited your county office of OSU Extension to get your well water tested or take a canning workshop. Maybe you've enrolled in a program such as "Healthy Aging" or Tree School mini-college. There are hundreds of such educational programs developed by OSU faculty and delivered to communities across the state.

24/7 access to university resources

Just as railroads expanded the reach of OSU, radio was another technological innovation that further broadened participation with Extension. Similar to the Internet in the late 20th century, radio in the early 20th century was



Ruby Jewel owner Lisa Herllinger in her Portland ice cream shop. The entrepreneur worked with the Oregon State Food Innovation Center to perfect her cookie ice cream sandwich. PHOTO BY LYNN KETCHUM

adapted from technology originally designed by the military.

In the 1920s, Extension's director of information, Wallace Kadderly, saw the potential for this technology to deliver Extension education across the state, day or night. Kadderly championed the construction of a broadcast radio station powerful enough to cover the entire state and gave it the call letters KOAC to recognize Oregon Agricultural College (KOAC grew to become Oregon Public Broadcasting). Educational broadcasts ranged from house heating to child psychology and from automobile repair to political economics. Talented 4-H club members performed original radio plays live on KOAC and Extension agents broadcast daily weather, farm and market reports.

Today, Extension provides 24/7 access to university resources for online audiences through its web-based virtual Extension office. "We are reaching new audiences online, providing them with many of the same services that you would expect from a bricks-and-mortar Extension office," said Deborah

OSU watershed educator Robert Emanuel puts the finishing touches on a bioswale in Tillamook County, where he is helping communities manage urban stormwater. PHOTO BY LYNN KETCHUM



OSU Extension-Clackamas County Tree School. The one day workshop featured both indoor and outdoor lessons on forestry and woodland management. PHOTO BY LYNN KETCHUM

Maddy, associate provost for Outreach and Engagement and associate director of OSU Extension.

Online, you can take a class, join a community and search more than 1,200 educational publications and videos in the OSU Extension Catalog. If you don't find what you need, you can ask an expert online through a new service that connects people with OSU experts.

"Ask an Expert" is a two-way service that begins with a question that prompts people to engage with Extension faculty," Maddy said. "We share what we know and in turn we learn from the community." Last summer, a concerned parent emailed a question to Ask an Expert about odd-looking black berries that her son had eaten. Barb Fick, an OSU Extension horticulture professor, quickly identified the berries as potentially toxic nightshade, contacted the parent and developed a statewide alert to help others identify — and avoid — the nightshade berries.

Community engagement

It was during the Great Depression that Extension expanded its role from teacher to leader. Federal emergency relief programs needed local administration and few people knew the needs of local communities better than the Extension agents who lived and worked there. Extension agents managed New Deal programs such as gasoline rationing, salvage and farm fire protection. During World War II, Extension agents reached rural families with information on programs to control inflation and boost food production. Extension agents ran the Emergency Farm

Labor Service and, after the war, they supported agricultural enterprises for Japanese-Americans released from internment.

The post-war years were boom times for Oregon's natural resource industries. OSU Extension expanded its forestry faculty to deliver training in woodland management and extend research for the new Christmas tree industry.



Hands on experience for Benton County 4-H members in Ana Lu Fonseca's, 'Il, club. PHOTO BY LYNN KETCHUM



Myra Johnson, manager of the Culture and Heritage Department for the Confederated Tribes of Warm Springs, helps a young camper weave a basket during OSU's 4-H Culture Camp at the Warm Springs Reservation in Central Oregon. PHOTO BY PEG HERRING



OSU's Sharon Johnson, at right, demonstrates her online Mastery of Aging Well series. Johnson is a faculty member in OSU Extension's Family and Community Health program. PHOTO BY LYNN KETCHUM



In 1967, OSU Extension hired one of the nation's first coastal communities agents to serve people connected with the fishing industry.

Today, OSU Extension helps build economic opportunity with programs such as the Oregon Wood Innovation Center, a partnership to help producers connect with the green building industry and County College, a partnership to help prepare elected officials for the job of governing.

The 1980s began a sharp decline in natural resource industries. Farms were in default, mills were shutting down and commercial fishing saw the first of many season closures. OSU Extension faculty developed programs to help families hurt by this decline and to transition workers to new careers.

Today, OSU Extension is helping people navigate through the most recent economic tough times. OSU Extension faculty deliver federally funded nutrition education to food stamp recipients and partner with the Oregon Food Bank, schools and others to reach underserved communities with information on healthy meals for families.

Focus on youth and families

Oregon was the first state to create 4-H clubs for urban kids and in 1918 clubs in Portland converted part of their school grounds to Victory Gardens to support the war effort. Today, there are 4-H clubs in aerospace, engineering, videography and environmental stewardship. Programs such as 4-H Survivor Camp prepare kids for life after high school, as they learn to apply for a job, pay bills and navigate the responsibilities they will face in their rapidly approaching adult lives.

Oregon Open Campus

In 2007, OSU placed Extension under the umbrella of the new Division of Outreach and Engagement. Through O&E, Extension is working closely with OSU's Extended Campus to develop the idea of an Oregon Open Campus, a far-reaching vision that creates local access to education through local partnerships.

"It's clear that OSU isn't the only game in town," Reed said. "In Oregon there are community colleges and school districts with a

common commitment to advancing education, much like the university based Extension Service. Our role is to bring all local interests together to deliver the education that people need when and where they are."

The vision of Open Campus is being tested in Tillamook, Jefferson and Crook counties, where educational offerings span a spectrum from free-choice interests to non-credit workshops and for-credit degree programs.

"Extension's new regional administration will make it possible to deliver Extension education through Open Campus at more sites in the future," Reed said. "This is what Extension will look like in the 21st century; back to the future with an emphasis on access and partnerships."

Today across Oregon there are community gardens, like the one in front of Portland City Hall and programs to help people be healthy, inspire young people, start a business and engage with their communities. It's two-way learning; it's problem-solving; it's enriching experience. It's life. And OSU Extension can help you get good at it. 🍅



Homecoming



2011

Parade floats, football fans and a bonfire-driven pep rally helped make for a tradition-centered Homecoming 2011 on the first weekend in November. Led and coordinated by the Student Alumni Association, the event has made a resurgence in recent years. **PHOTOS BY DENNIS WOLVERTON**

Senior James Rodgers continued his return to form after last year's devastating injury, scoring a touchdown against the powerful Stanford Cardinal in what proved to be a losing effort. Earlier in the day, the OSU Marching Band took a rare break as members put down their instruments and relaxed on the practice turf in the Truax Indoor Center. On game day the brass section provided good tunes and a panoramic reflective view of a stadium full of fans. Earlier in the Homecoming festivities, flaming baton action wowed the crowd. Meanwhile, what would Homecoming be without a little shopping to freshen up one's supply of Beaver gear? **PHOTOS BY DENNIS WOLVERTON**





Life
is
all
over
it



We're
ALL
Over
IT

Life takes on multiple dimensions. And Oregon State covers them all. Through research, education and outreach, OSU promotes healthy living across the lifespan, from early childhood development through the aging process. That also includes disease prevention and a safe, nutritious food supply. If it involves health and well-being in our communities and in our lives, Oregon State is working to make it better.

Making positive

impacts

for people and
communities across
Oregon and beyond



"If I imagine a metaphor for OSU, I think of the university as an engine — an engine that is propelling activities and initiatives forward that are important to Oregonians."

For more than 140 years, Oregon State University has been moving our state forward.

Our work makes positive and significant impacts on what's most important to Oregonians. We seek to better understand, manage and preserve our environment and natural resources. We promote health and well-being across all ages and in our communities. And we apply problem solving skills and innovation to drive economic growth.

That is our mission. It is who we are — individually and collectively.

I am proud of our heritage as Oregon's land grant university — and through education, research and service, we apply the land grant mission to the needs of the 21st century.

Our mission starts with students. Our graduates are our most important contribution to the future of Oregon and the world. Yet, while our enrollment continues to grow — more than 25,000 students this fall — we don't aspire to be among the nation's largest universities, but we have committed ourselves to be among the nation's leading land grant universities.

Oregon State increasingly attracts the best and brightest students from across the state. We are making higher education more accessible with more than \$120 million in scholarships, including full tuition for almost 2,700 Oregon students through the Bridge to Success program. We are also welcoming a record number of international students, who enrich our campus with their diverse experiences and cultures.



President Edward Ray



**> \$120
MILLION**
in scholarships



Helping Oregon
farmers harvest

**> \$350
MILLION**
wheat crop



> DOUBLE
the research dollars
in ten years



**> 100
YEARS**
of OSU Extension
Happy Birthday!

**> 100,000
4-H SCHOOL KIDS**
exploring



Oregon State
UNIVERSITY

SOLAR start-up



Today's solar energy arrays are becoming more efficient thanks to technology that grew out of OSU.

In October, Azuray Technologies, Inc. of Durham, Ore., introduced a new power optimizer and a performance monitor at the Solar Power International conference in Texas. Azuray co-founder and board member Terri Fiez, '91, is the head of the School of Electrical Engineering and Computer Science at OSU.

We commit ourselves to teaching and inspiring all of our students, creating opportunities where they can expand their minds, develop their talents and achieve their goals.

We are also addressing diverse and complex challenges through research. Over the past decade, research at Oregon State has more than doubled to \$262 million in research grants and contracts this year. Both faculty and students conduct groundbreaking research whose scope includes food systems, climate change, nanotechnology, drug discovery, renewable energy and others. These research discoveries do not remain in the lab. Through licensing, technology transfers and other commercialization efforts, we are putting innovations to work and solving real-world problems while creating jobs.

Meanwhile, our land grant charge to serve all Oregonians is vividly seen through the work of the OSU Extension Service. 2011 marks the centennial of OSU Extension, and its mission remains as relevant as ever. With agricultural experiment stations, forest research labs, research and extension centers and county Extension offices, OSU has a presence in each of Oregon's 36 counties. OSU Extension not only strengthens the state's natural resource-based industries, it supports small businesses, enhances public health and helps build thriving rural and urban communities. OSU's impact includes

OSU's research discoveries do not remain in the lab ... we are putting innovations to work, solving real-world problems while creating jobs, launching companies and spreading prosperity.

a network of scientists helping farmers harvest a wheat crop worth more than \$350 million annually, training hundreds of health care workers to recognize signs of childhood hunger and helping Oregon families stretch their food budgets with fresh, local, nutritious foods. And through 4-H, more than 100,000 school kids in both urban and

rural areas develop leadership skills.

Oregon State's efforts and success are being propelled by ever-increasing alumni and donor support and engagement. The Campaign for OSU continues to be an extraordinary success. Last autumn, we increased the campaign goal from the original \$625 million to \$850 million by 2013. The year ending June 2011, we actually raised \$112 million — the second most successful fundraising year in OSU's history — and the campaign total now exceeds \$755 million.

Across campus, we are investing in excellence.

This year, we have upgraded 50 more classrooms and will soon re-open the renovated Furman Hall for the College of Education. The Linus Pauling Science Center, International Living and Learning Center and the Hallie E. Ford Center for Healthy Children and Families each opened to celebrations this fall. Last year, we added 30 new tenure-track faculty to support enrollment growth and student academic progress. This year, we welcomed 80 new faculty colleagues and next year, we expect to add another 50 to 60 faculty in signature academic and high enrollment growth areas, beyond replacement positions.

I know of no other university nationwide that is investing in so many new faculty hires to achieve academic excellence.

Yet, we do not need to rely on our own testimonials. Last spring — as OSU received its completed accreditation review — the Northwest Commission on Colleges and Universities acknowledged the steps that the university has taken to achieve financial stability and also focus on strategic outcomes that build a community of academic and research excellence — on campus and statewide.

To witness all the positive contributions our faculty, students, alumni and staff make across Oregon and beyond is a privilege for which I am deeply grateful. It is my pleasure to share them with you.

A handwritten signature in black ink that reads "Edward J. Ray".

Edward J. Ray
President, Oregon State University

**IMPACT
STARTS
HERE**


Driving economic growth, innovation and improving quality of life in Portland

Oregon State's impact can be seen throughout Portland.

More than 11,000 alumni work in the Portland area, including such key economic development sectors as the more than 300 athletic and outdoor apparel companies anchored by Nike, Columbia Sportswear and Adidas America.

OSU pharmacy students and faculty conduct research in partnership with Oregon Health & Science University colleagues, addressing critical health challenges with breakthroughs that improve people's health and save lives.

OSU supports Portland's growing clean

tech industry with research and commercialization in renewable energy and green construction.

Researchers at the Food Innovation Center help launch new products and companies, while Extension agents connect farmers with Portland retailers and restaurants, bringing fresh, local produce to markets and dining tables.

And through a partnership with the Oregon Humane Society, veterinary medicine students complete an intensive, two-week rotation examining, diagnosing and treating animals up for adoption. They also participate in an average of 40 spay and neuter procedures.

Helping businesses start and thrive

OSU's contributions to the success of the Oregon economy can be seen and measured in many ways.

Our statewide economic footprint exceeds \$2.1 billion and more than 70,000 alumni live and work throughout the state. Oregon's economy depends on a range of successful businesses, whether family-owned, blue chip or newly established. OSU's research and graduates are providing these businesses with a competitive edge in sectors from food, outdoor apparel and energy to forestry and wood products.

Education and outreach programs include the Austin Family Business Program, which offers professional development workshops, online management courses and other programs to help family-owned companies improve their operations and plan for the future.

The Austin Entrepreneurship Program gives undergraduate students hands-on experience running a business, with many launching companies of their own.

As Oregon State's research portfolio has grown, so have our efforts to commercialize those breakthroughs. Since 2004, 12 biotechnology, energy and computer software companies — accounting for roughly 300 jobs and more than \$100 million in investment capital — have spun off directly from or through licensing of OSU-developed research.

This year alone, three Oregon companies with OSU ties — Inpria, Perpetua Power Source Technologies and Zaps Technologies — attracted \$20 million in venture capital.

This past year, the university recorded a total of \$5.4 million in licensing income, a 60 percent increase over 2010.

TALENT for threads



In the fast-paced outdoor apparel industry, new materials enable manufacturers to create shoes, jackets and other gear that keep customers warm and dry.

Associate Professor Hsiou-Lien Chen and her colleagues in OSU's Apparel Research Center are investigating insulating fibers made from natural sources such as flax, poplar and hops. The benefits: effective, locally grown and sustainable materials for a global marketplace.

SHARED cultures



OSU is a diverse community with increasing numbers of international and U.S. minority students and expanding relationships with institutions worldwide.

Student engineers from OSU and a German university, Duale Hochschule Baden Württemberg-Ravensburg, have created a remarkable partnership, winning Global Formula Racing competitions in Austria, Germany and the United States. In 2011, they designed and built cars with electric and gasoline engines, earning top-three spots for each. These students are poised to solve problems in the global transportation industry.



Student volunteers in *Beavers Without Borders* building housing in Guatemala.

Students making a difference for the world

With a record 1,600 international students attending OSU this year — many living in the new International Living-Learning Center — Oregon State is helping to shrink the world by making connections among people of different backgrounds and cultures.

When they graduate, these students apply the knowledge, skills and values they have gained at Oregon State back home, making our influence increasingly global.

As OSU diversifies, students and faculty members are at work in Asia, the Middle East, Africa, Europe and the Americas. And our students also take action to provide volunteer assistance to help people and communities around the world.

Through the *Beavers Without Borders* project, student athletes and others built homes for families in Guatemala and Macedonia. Students in the OSU chapter of *Engineers Without Borders* built a water system for a remote village in El Salvador and

are developing one for a rural community in Kenya. And members of the *Students in Free Enterprise* group have gone to Guatemala to teach entrepreneurial skills, implement marketing plans and enable local coffee farmers to better qualify for micro-loans.

Sustainability and a mindset of protecting the environment have long been a part of our culture and they serve as major draws for our students. Oregon State started recycling in 1970 — a year ahead of Oregon's landmark bottle bill. Today, we recycle 2.5 million pounds of waste annually. Student-led initiatives include designing and building a solar trailer that helps power campus events. Students also voted for a fee to buy renewable power, helping OSU earn a Green Power Leader ranking by the EPA, as well as other awards and top-tier designations for sustainability among colleges and universities nationwide.



GIVE REAL PROPERTY

to support Oregon State University

The
Campaign
for OSU

THIS
AMAZING
PLACE

THIS
HISTORIC
MOMENT



“Working with the staff at the OSU Foundation was very helpful and added value to the process. Our professional advisors were impressed with their knowledge and experience.”

—Jim Williams '66 MBA '67

Jim and his wife, Chris '66, donated real estate to support the College of Business.

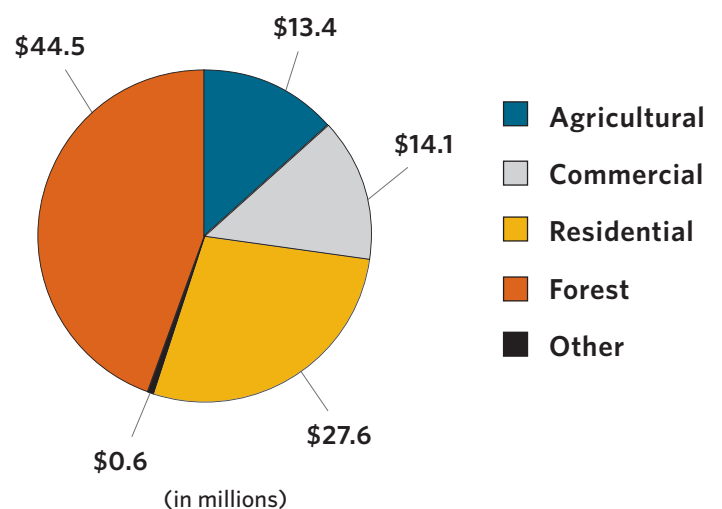
Since 1949, the OSU Foundation has guided donors through more than 450 gifts of real estate totaling more than \$100 million in support of Oregon State University. These gifts have included nearly every type of property—single-family homes, apartment complexes, timberland, commercial buildings, farms, ranches, and vacation homes.

This generosity has had a tremendous impact—funding scholarships, endowed positions, and even major construction projects.

To find out how your gift of property can support OSU, please contact us.

\$100 million in Real Estate Gifts to OSU

(since 1949)



Oregon State
UNIVERSITY

OSU Foundation • Office of Gift Planning
800-366-8217 | Gift.Planning@oregonstate.edu
campaignforosu.org/realestate

Building a more

Established the Ford Family Foundation.

Kenneth & Hallie Ford

Founded Roseburg Forest Products

Enabled construction of the Hallie E. Ford Center for Healthy Children and Families

Cheryl Ramberg-Ford

Serves on the boards of the Jordan Schnitzer Museum of Art and Wildlife Safari and is a member of the Tree of Hope Committee for Mercy Medical Center in Roseburg.

Allyn Ford

President and CEO of Roseburg Forest Products. Serves on the Oregon State Board of Higher Education, is a director of the Doernbecher Hospital Foundation and the World Forestry Center, and chairs the board of Umpqua Bank.

Carmen Ford Phillips, '59, '63

Actively engaged with the College of Public Health and Human Sciences

Seeing the forest and the trees.

Key participant in the Hinkle Creek Paired Watershed Study

The Campaign for OSU

THIS AMAZING PLACE

THIS HISTORIC MOMENT

The Cheryl Ramberg and Allyn C. Ford Deanship of Forestry is OSU's third endowed deanship. The Lois Bates Acheson Dean of Veterinary Medicine, held by Cyril Clarke, was also created during The Campaign for OSU. The university's oldest endowed deanship, the Sara Hart Kimball Dean of the College of Business, is held by Ilene Kleinsorge.

sustainable Oregon

Fords' \$5 million gift endows Forestry dean's position

A family deeply rooted in Oregon's forest industry has committed \$5 million to ensure the continued global leadership of OSU's College of Forestry — and by doing so, to grow sustainable rural communities as well as sustainable forests. The gift from Allyn and Cheryl Ford endows the dean's position.

This visionary gift from the Fords illustrates that in tough economic times, smart people redouble efforts to preserve the path to excellence," said OSU President Ed Ray.

A member of the college's board of visitors, Allyn Ford is president and CEO of Roseburg Forest Products, a company founded by his father which is now one of the largest family-held wood products corporations in the U.S.

"We have seen clearly how important the OSU College of Forestry is for the future of our industry," Allyn said. "Faculty research and innovation help us stay competitive in the global marketplace. It's also essential that the college continue to provide the industry with graduates who understand these complex systems."

The recipient of numerous awards recognizing environmental leadership, Roseburg Forest Products partners with OSU to learn how to protect both Oregon's natural resource economy and its environment. The company is a key participant in the Hinkle Creek Paired Watershed Study, one of the most ambitious research efforts in 50 years to determine the impact of modern forest practices on fish in forested streams. Through its collaboration in this 10-year effort, the company is helping to answer questions about the forest practices that can best balance timber production with the need for clean water, healthy fisheries and aquatic habitat.

Healthy forests and healthy rural communities are inextricably linked in the Pacific Northwest, noted Cheryl Ramberg-Ford. A Southern Oregon native, she and Allyn are both actively involved with the Ford Family Foundation. It was established by Allyn's parents, Kenneth and Hallie Ford, to give back to the timber communities of Southwest Oregon. "Allyn and I see our gift to the College of Forestry as a long-term investment in rural Oregonians," Cheryl said.

A 1966 graduate of the University of Oregon, Cheryl Ramberg-Ford is a UO Foundation trustee and former president of the UO Alumni Association. She serves on the boards of the Jordan Schnitzer Museum of Art and Wildlife Safari and is a member of the Tree of Hope Committee for Mercy Medical Center in Roseburg. Allyn Ford serves on the Oregon State Board of Higher Education, is a director of the Doernbecher Hospital Foundation and the World Forestry Center, and chairs the board of Umpqua Bank. He earned his bachelor's degree from Yale in 1964 and his M.B.A. from Stanford in 1966.

The deanship endowment builds on the Ford family's OSU legacy. Allyn's sister, Carmen Ford Phillips '59, '63, is actively engaged with



Allyn and Cheryl Ford.

the College of Public Health and Human Sciences, which benefited from the final philanthropic gift of their late mother. It made possible the construction of the Hallie E. Ford Center for Healthy Children and Families, which celebrated its grand opening this past September.

The inaugural holder of the Cheryl Ramberg and Allyn C. Ford Deanship of Forestry will be Hal Salwasser, who has led the college for 12 years. He has announced plans to step down from the position at the end of the 2011-12 academic year.

Since the beginning of The Campaign for OSU, donors have doubled — plus three — the number of endowed faculty positions at OSU, bringing the total to 97.

The new endowment is a fitting capstone to Salwasser's achievements, said Provost Sabah Randhawa. "Furthermore," he added, "it will ensure that we are able to recruit a leader of similar caliber to help write the next chapter of the college's distinguished history."

Zel Brook goes the distance

Zel Brook faces adversity with the determined stride of a distance runner. Strong, steady, resolute. And as one of the lead donors to the OSU track and field facility, she hopes to give even more runners the opportunity to compete.

Brook started running in high school in the early 1960s, before Title IX, the 1972 landmark legislation that bans sex discrimination in schools whether it be in academics or athletics.

"I had an internal sense that I wanted to run," Brook remembered. Her inspiration was Tennessee sprinter Wilma Rudolph, the first American woman to win three Gold medals at an Olympics. Rudolph had survived polio as a child. "She was my hero," said Brook. "I thought if Wilma Rudolph can compete in the Rome Olympics, I ought to be able to run at my high school track."

Brook attended Woodrow Wilson High School in Portland, where girls were not allowed on the track. "I was told the track was for football players only, and if I was caught running there, I'd be thrown off," she said. Brook snuck onto the track after hours and ran, alone.

When she attended the University of Oregon, Brook faced a similar struggle. She was allowed to train with the men's track team under legendary coach and Nike co-founder Bill Bowerman. However, under NCAA regulations, she was not allowed to compete. Bowerman told Brook running was just a hobby for her.

After graduating, Brook moved to Corvallis and began a career as a speech pathologist. Health problems presented her next obstacle. Brook had a brain tumor that required surgery and months of rehabilitation, a painful blood clot in her leg, and an autoimmune disorder that caused swallowing and digestive issues.

While recovering from surgery and chronic leg pain, Brook turned on the television to see Lance Armstrong competing in the Tour de France. It inspired her to try an exercise bike. "My leg felt better after I rode, from the increased blood circulation." This motivated Brook to start walking and, eventually, return to her passion of running. Although she required a leg brace for extra support and a cane to help her balance, Brook began running five and 10-K races.

With her determination stronger than ever, Brook met her next challenge. She was on the starting line at Hayward Field for a 10,000-meter race, sponsored by USA Track and Field, when an official told her she was disqualified, that she could not run with a cane.



Zel Brook treasures her memories of being a runner and her chance to help OSU build a new track its athletes can call home. PHOTO BY JIM CARROLL

Brook ran anyway — in the outside lane of the track, 25 times around, in 80-degree heat. She came in second in her age category.

"I think the most important thing is to give people an opportunity to do something they love and if they wish, compete on a level playing field," she said.

Brook challenged the USA Track and Field's ruling. It took three years and a few lawyers, but she won. Thanks to her efforts, the organization now has a process allowing anyone with a disability to compete in the same events with able-bodied runners in USA Track and Field events. Brook has now finished five marathons, around 30 half-marathons and more than 100 races.

"Zel's passion and commitment to the sport and as an advocate for equal opportunity for everyone is amazing," said Kelly Sullivan, head coach of OSU's women's track and cross-country teams.

Brook supports the OSU women's track and cross-country teams as a fan, a photographer and a donor.

In 2008, Brook was among the first to make a generous commitment to the construction of the new track and field facility. She also established a scholarship for female track and field runners in 2005.

"Everyone should have the opportunity to compete," said Brook. "My dream is to see a dual women's track meet between OSU and University of Oregon, right here in Corvallis, at the new OSU track."

Construction underway on track and field facility

Many said, "I'll believe it when I see it." Well, you can see it now, live, via webcam (webcam.oregonstate.edu/trackfield). Bulldozers are moving ground on the south side of campus, making way for OSU's new track and field facility. Construction officially began Sept. 26, and, weather permitting, will be completed in summer 2012.

The \$3.5-million first phase of the project includes an Olympic-caliber polyurethane nine-lane track; steeplechase, high jump, long jump, triple jump, pole vault and javelin runways; hammer throw, shot put and discus areas; and synthetic turf infield. Phase two will cost another \$3.5 million and will include the entry plaza, grandstands, press box, scoreboard, lights, distance plaza, competitive staging area, restrooms and parking lot.

President's Dinner celebrates giving, global impact

OSU's philanthropic community celebrated the university's growing international impact at the 44th annual President's Dinner, held on November 10 in Portland. In his remarks to the more than 300 guests, President Ed Ray reflected on the campaign tagline — "This amazing place, this historic moment" — and how its meaning has deepened. "While we have always known that OSU is an 'Amazing Place,' we didn't fully understand that our reach could expand so quickly throughout the world, and the speed with which we would be recognized as a truly leading international research university relied upon around the globe," he said, citing faculty leading global initiatives in many fields.

Growing numbers of Oregon State students also are participating in international academic, research and service programs. Bioengineering senior Ishan Patel of Redmond, Ore., spoke about developing a model of blood thrombosis, or blood clots, now being used in the lab as a screener for new medicines to combat stroke and heart attacks. In addition to co-authoring articles in four research publications, he has presented his work at four U.S. conferences and another in Japan.

Leadership donors are essential partners as Oregon State expands its global footprint, and the dinner honored 17 new members of the Harris Society: couples and organizations who reached the \$1 million milestone in their giving during the past year. OSU's highest donor recognition group, the society is named for chemist Milton Harris, '26, who made the first million-dollar gift to the university. Harris Society members now number 153.

As Campaign Co-Chair Pat Reser introduced the honorees, she reflected on the evening's international theme, noting that the needs of the world must be addressed by people working together. "That is why it is so exciting to see our group of philanthropic leaders and highly engaged investors continue to grow each year," she said.

New Harris Society members:

- American Cancer Society
- Kim Martin Casale, '83, & Carl M. Casale, '83
- Carmen Phelps Cutting, '65, & Michael L. Cutting, '65
- Cheryl Ramberg-Ford & Allyn C. Ford
- Hill's Pet Nutrition, Inc.
- IBM Corporation
- Leica Geosystems, Inc.
- Maybelle Clark Macdonald Fund
- Pat & Keith R. McKennon, '55
- Microsoft Corporation
- Noyce Foundation
- PacificSource Health Plans
- Jeanne, '41, & Milosh Popovich, '39 (in memoriam)
- Barbara H. & John A. Schnautz, '56
- The G. Unger Vetlesen Foundation
- Ann Ridings Wellman, '55, & Norbert J. Wellman, '54
- Christine Keylock Williams, '66, & James M. Williams, '66



Destination OSU Returns to California desert

Saturday, Feb. 25 — Monday, Feb. 27, 2012

Join OSU alumni and friends for the 12th annual Destination OSU celebration and connect with friends old and new, learn about pioneering university research, and honor some of OSU's cherished volunteers.

Rancho Las Palmas Resort
Rancho Mirage, Calif.

Saturday

Golf tournament &
OSUAA welcome reception

Sunday

OSU Presents (faculty lecture series)

Monday

Awards gala

www.campaignforosu.org/destination2012

CAMPAIGN PROGRESS • OCTOBER 31, 2011

\$755,457,319

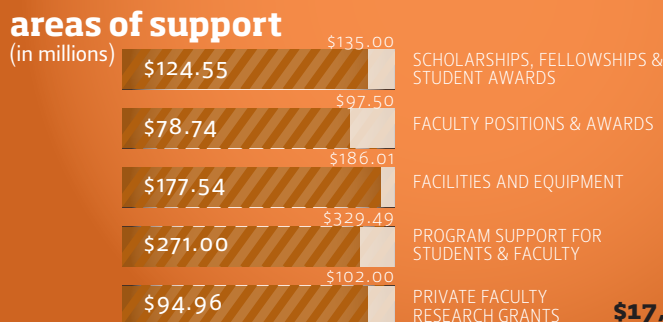
CAMPAIGN TOTAL

CAMPAIGN GOAL
\$850 million

types of support



areas of support



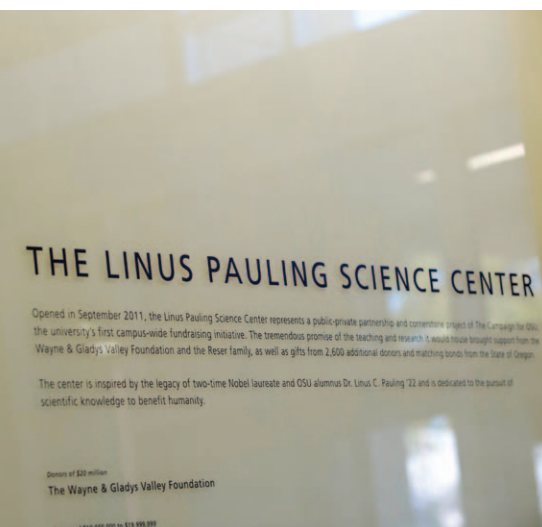
\$17,674,437

FISCAL YEAR 2011/12 TO DATE (UNAUDITED)

NOTE: An additional \$8.67 million has been raised outside of the areas listed above.

Oregon State recently opened two highly-anticipated facilities; the Hallie Ford Center for Healthy Children & Families and the Linus Pauling Science Center. Both facilities are dedicated to improving health and well-being across the lifespan, and both opened just in time to welcome students for the start of fall classes. Donors to The Campaign for OSU are now to thank for 20 such new and renovated facilities on OSU's Corvallis and Bend campuses.





Facing page: The Hallie E. Ford Center for Healthy Children & Families opened in September with more than 150 alumni, donors and other friends in attendance to celebrate and tour the building. In the center image at bottom, Carmen Ford Phillips, '59, '63, whose family gave the key gift that made the building possible, places a pair of her mother Hallie's white dress gloves into a time capsule.

Above: The Linus Pauling Science Center opened in October with a gala celebration. Donors and guests mingle in the entry of the facility during building tours. At upper right, lead donors Tammy Valley, left, of the Wayne & Gladys Valley Foundation, and Patricia Reser, '60, share a laugh with Linus Pauling Jr. The largest donor-funded academic building ever, the Linus Pauling Science Center is home to the Linus Pauling Institute and chemists from the College of Science. PHOTOS BY KARL MAASDAM



This 1912 painting of the OSC campus depicts a look and feel that would be preserved and enhanced by the campus plan developed in 1909 by famed landscape architect John C. Olmsted. PHOTO COURTESY OSU ARCHIVES L1010114

History by the Moment

➔ Part II of a two-issue look at 20 defining moments in OSU history

By George P. Edmonston Jr.

AS ANNOUNCED IN THE FALL 2011 ISSUE of this magazine, the following feature ends my 26-year association with this wonderful publication. In Part One we covered the first half of my favorite 20 defining moments in the university's long and distinguished history. We now count down the final 10. Goodbye for now.

10 ➔ The presidency of James H. Jensen

James Jensen was named president the year OSC became OSU, 1961. More than anything else he might have accomplished, Jensen oversaw one of the greatest periods of growth in OSU history. Under his leadership, OSU's physical plant and programming went to the next level: the Kerr Library (now Valley Library) was completed, the Radiation Center was established, the OSU Marine Science Center in Newport (the Hatfield Marine Science Center) was dedicated and the research vessel *Yaquina* was commissioned. Jensen approved the construction of more residence halls than at any point in OSU's history, including McNary, Callahan, Wilson and Finley halls; the Orchard Court Apartments and Avery and Dixon lodges. He helped organize the Black Student Union and assisted in opening the Lonnie B. Harris Black Cultural Center.



James H. Jensen PHOTO COURTESY OSU ARCHIVES PI:91

➔ Browse the best of the OSU digital archives at oregondigital.org/digcol/archives.

9 ➔ The OSU Foundation

Since its birth under President A.L. Strand on Oct. 15, 1947, with the assistance and vision of three alumni — Robert M. Kerr, Edwin B. Aldrich and E.C. Simmons — the OSU Foundation has played a critical role in shaping the destiny of the university in ways the founders could never have imagined.

With an endowment that began with \$21,000 in 1961, contributions by 2006 had reached over \$50 million annually with combined assets of nearly \$470 million. Launched by the OSUF in 2007, the ambitious Campaign for OSU surpassed its original \$625 million goal in 2010, a year early. Now the university reaches for a new goal of \$850 million and early projections indicate the final total expected by the year 2013 may approach a billion dollars, a nearly unprecedented amount for a U.S. public university without a medical school.

8 ➔ The Olmsted campus plan

Commissioned by President Kerr in 1909, John C. Olmsted's master plan for the campus was visionary. John Olmsted was the son of Frederick L. Olmsted, arguably the most famous landscape architect in American history. By the turn of the century, Olmsted and associates had amassed a portfolio of projects that included New York City's Central Park, the U.S. Capitol grounds, and Yosemite National Park.

The OSU plan, one of more than 355 college and university campus designs they would complete, is a 60-page written report outlining suggestions for the look and feel of the campus. Its built-in flexibility is responsible for the distinctive atmosphere OSU enjoys today — highlighted by numerous pedestrian paths passing between historic red-bricked buildings outlined in white, terra cotta trim, and buildings arranged around neatly ordered rectangles.

7 ➔ Back-to-back baseball titles

Baseball is OSU's earliest team sport, dating to 1883. Until 2005, the program had enjoyed success from season to season but had only once earned its way to the pinnacle of the sport — an appearance at the College World Series — and this had been back in 1952.

In 2005, Coach Pat Casey's Beavers won the conference championship outright and then punched its first ticket to Omaha in 53 years. Early elimination only forced the Bea-

vers toward greater resolve for the 2006 season when the Beavers became national champions — only the second time in school history OSU had won a team national championship (the first was in 1961 in cross country) and delivering a stunning surprise to all the baseball experts.



The Beaver baseball team won the 2006 national championship, and did it again in 2007. PHOTO COURTESY OSU ATHLETICS

The 2007 season was to deliver an even greater mind twister. Finishing 10-14 in conference play, the Beavers eked out an invitation to the NCAA Tournament, advanced to the Super Regionals and on to Omaha where the men from Corvallis never lost.

OSU became only the fifth team in NCAA history to repeat as back-to-back baseball national champions.

6 ➔ Cauthorn's politics

Although Corvallis College became the recipient of the land grant for the state of Oregon in 1868, the matter was never a done deal until Thomas E. Cauthorn entered the mix in the mid-1880s. From 1868 until 1885, criticism



Thomas E. Cauthorn
PHOTO COURTESY OSU
ARCHIVES HCI887

and questioning of the school's motives poured in from all over the state.

Cauthorn, a Benton County senator, sponsored the legislation necessary to keep the State Agricultural College in Corvallis.

It was approved on Feb. 11, 1885. The Legislature attached

one stipulation to the bill — that the citizens of Benton County erect a building on the college farm within 24 months, costing no less than \$20,000 (in private donations) and to be at the time of its opening, free from all debt.

Fundraising took place from 1885 to 1888 and the building was ready by the fall of 1889. Benton Hall is still in use today.

The college's first dorm for men was named after the hero of the day — Thomas Cauthorn. It is known to us as Fairbanks Hall.

5 ➔ The presidency of John M. Bloss

John Bloss, who served as president from 1892-1896, places high on my list of defining moments for this reason: More than any of his predecessors, it was Bloss who expanded the college experience for students to include extracurricular activities not directly tied to academics. Bloss was responsible for elevating football to varsity status. His presidency also saw the establishment of most of OSU's core traditions, the majority of which are still around. School colors changed from navy blue to orange and black; a school cheer was approved for student gatherings, "Zip Boom Bee, Zip Boom Bee, OA, OA, OAC"; and he gave the go-ahead for the cadet band to perform at the school's first football game on Nov. 11, 1893, the start of the campus' longest-running musical show.



John M. Bloss PHOTO
COURTESY OSU
ARCHIVES P077:067

He was also the first OSU president to encourage large numbers of women to major in agriculture and placed new emphasis on research in such areas as soils, fertilizers and drainage; feeds for livestock; farm pests; and the production of prunes and flax.

4 ➔ The presidency of Benjamin Lee Arnold

Arnold served OSU from 1872 to 1892. His first step was to reorganize the school into a more manageable system by dividing the institution into two departments — the Literary Department, comprised of ancient languages, modern languages, history and literature — and the Scientific Department, which included mathematics, engineering, technology, physical science (chemistry, agriculture, biology) and moral science (ethics and logic, political and social science). The fundamental academic skeleton of the modern OSU can still be seen in this primitive curricular structure.

Also under Arnold we see the beginnings of

formal instruction in military tactics (later to be known as ROTC), the first residence halls for students, start-ups in engineering and home economics, literary societies, a formal library, diversity within the student body and the hiring of the school's first out of state faculty.

3 ➔ The Great Depression

Seven months before the start of what we know as the Great Depression, Oregon created the State Board of Higher Education. The new board was charged with numerous oversight responsibilities as well as reorganization of the state's six publicly-sanctioned schools.

Degree programs were to be dropped at both the UO and OSU, and colleges and departments would be transferred from one institution to the other. Law, social sciences, fine arts, physical education, literature and languages, and commerce would be based in Eugene. Corvallis would have the sciences, home economics, agriculture, engineering, forestry and pharmacy.

Lower divisions were established at both schools; no longer would freshmen be required to declare a major the first year. Students could now attend a full two years before making a commitment, and subjects taken at either school automatically transferred to any school within the system at full credit.

The actions of the board served to tear apart the college President Kerr had built to national prominence. His response to the board's action was to retire — he was quickly hired to serve as the state of Oregon's first chancellor of higher education.

In a very real sense, the academic and research specialties enjoyed by both the UO and OSU today can be traced to the Great Depression and the changes the State Board of Higher Education mandated at that time.

2 ➔ The presidency of Edward J. Ray

It can be argued that it's best to let 25 years pass before judging the legacy of a university president. In the case of President Edward J. Ray, I'm willing to skip the wait.

He has spearheaded the completion of a



The continuing presidency of Edward J. Ray debuts at No. 2 on the list of OSU's top 20 historical moments. PHOTO COURTESY OREGON STATE UNIVERSITY

strategic plan which is already having a profound impact on the development of OSU as it moves into the 21st century. The university's first-ever comprehensive capital campaign, launched in 2004, has already generated more than \$700 million in private giving and had its goal upped to \$850 million by 2013.

Under Ray, annual research awards and contracts have increased almost \$123 million to \$275 million, thus strengthening the institution's role as the leading research university of the state. Also, enrollment has exploded to about 25,000 students and the 2011 graduating class was the largest in school history. Meanwhile, OSU is pursuing a \$500 million expansion and renovation of the Corvallis campus, the largest such project in school history.

Ray has played a key role in helping OSU-Cascades become a viable branch campus with a promising future in Central Oregon. This is only a very partial list of his accomplishments so far, and although he has begun to hint at retirement, noting that he won't be around forever, he shows no sign of letting up anytime soon.

1 ➔ The presidency of William Jasper Kerr

With the arrival of William Kerr in 1907, Oregon State's perception of itself as a "farmer's school" began to change with emphasis shifting from farming education to professional education. Indeed, during Kerr's 25-year tenure, he laid the foundation for OSU to become the great university it is today.

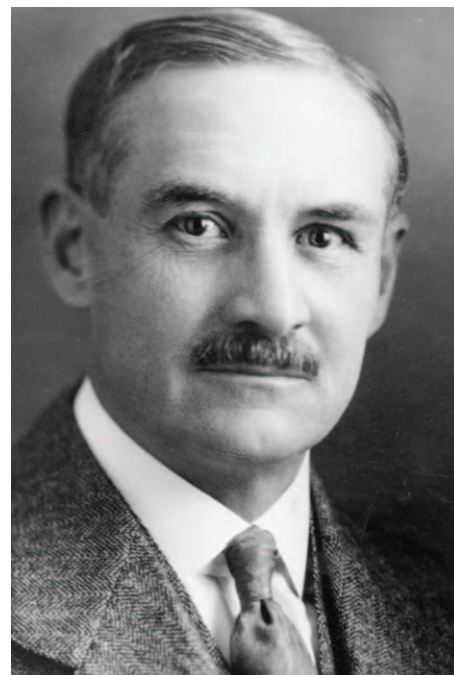
Kerr's leadership led the way in changing

the role of land-grant colleges from a secondary "vocational" status to one of "service" to business, industry and agriculture. He raised entrance requirements worked diligently to nationally certify academic programs and achieve accreditation from the nation's professional organizations. A strong competitor for state funding, Kerr doubled the size of the campus by adding more than 25 buildings.

He also established the "look" of OSU, through architectural and landscaping benchmarks still in use.

If Jasper Kerr were to suddenly appear today in front of the MU, he would feel right at home.

His position as Oregon's first chancellor of the state system of higher education would prove to be the toughest assignment of his long and distinguished career. Guiding the schools that made up the system through the worst years of the Great Depression, he resigned at age 72. He would have been proud to see his name placed on the library built in 1962. That same year, Kerr's son, Robert M. Kerr, became one of three founders of the OSU Foundation.



William Jasper Kerr PHOTO COURTESY OSU ARCHIVES P001:051

George P. Edmonston Jr. is history and traditions editor of the Oregon Stater, and is the retired editor of the magazine.

Oceanographer selected for OSUAA distinguished professor award

The Faculty Senate has selected Robert Duncan, professor of oceanography and associate dean of the College of Earth, Ocean, and Atmospheric Sciences, as the 2011 OSU Alumni Association Distinguished Professor. The award indicates outstanding professional achievement through teaching, scholarship, service, and international leadership.

Duncan and his team were the first to apply a chemical dating technique to the study of massive lava flows. Their reports have been widely cited in the scientific literature, resulting in Duncan becoming one of the 250 most frequently cited geoscientists in the world, according to the ISI Web of Science, a scientific information service.

Educational opportunity — the chance for students to be engaged in science — is the other side of the research coin for Duncan, the Rohm Professor of Oceanographic Education at OSU. Created in 1991 by a gift from Alice Rohm, the endowment supports his work with initiatives such as the Native American Marine and Space Science (NAMSS) program, Teachers at Sea and Suitcase Lessons, a set of marine science educational activities.

The award includes a \$2,000 cash gift provided by the alumni association.



Association to hold annual meeting April 27 at center

The OSU Alumni Association will hold its annual members meeting Friday, April 27, 2012 at the CH2M HILL Alumni Center. For additional information, contact hilary.ely@oregonstate.edu.

In this 2007 photo, Robert Duncan (right) explains to Paul Walczak, '04, '07, then a graduate student, how the samples in OSU's library of ocean sediment cores from around the world are catalogued. PHOTO BY DENNIS WOLVERTON

New alumni: Join OSUnited, a giving community that supports all of **Oregon State**.

WITH A SINGLE GIFT, you'll join other recent grads in showing your united support for OSU. You'll be a partner with the OSU Foundation, Alumni Association, and Athletics in building a strong Beaver Nation.

Join OSUnited.

And, receive benefits including seating priority for **football and basketball tickets**, access to **alumni networking** events, invitations to private events with **OSU President Ed Ray** – and more!

The
Campaign
for OSU



OSU Alumni
Association



It's about OS+U

Unite OSU today. www.campaignforosu.org/osunited

We're glad you asked how you can help

“HOW CAN I HELP?” I hear this question a lot these days and I am struck by how sincerely the questioner asks it. We all have heard the question — or maybe even asked it — when the asker was just being polite and never expected to be asked to do anything. But I find that our alumni mean it when they ask, and that is quite refreshing and a bit humbling.



SCOTT GREENWOOD, '88
Executive director, OSUAA

So often we seem individual-centric — and not so concerned with helping one another. Our devotion to our personal communications devices can cause us to break into a sweat when we're offline, but as opportunities for real and authentic human connection seem to grow fewer and farther between, we sometimes don't even notice our state of human disconnection. I don't suggest we get rid of our smartphones (although going without them for a day might a wonderful and rejuvenating change of pace) nor do I suggest that we abandon all other forms of electronic connections. I am, however, suggesting that I think more and more people are asking me the “can I help” question out of a real desire to connect with something or someone real.

Here at the alumni association we want to be that “something” and help you make those connections. While we must use electronic forms of mass communication — they are necessary — we are also increasing our efforts to provide more face-to-face opportunities for alumni and friends to connect with one another, with this great university, and with your alumni association.

And yes, we do need your help.

You can participate in activities within your region — we are gathering new regional alumni advisory committees in areas away from Corvallis where we have large concentrations of Beavers. These groups are working closely with the alumni association office to develop a host of events that will appeal to a broad base of fellow Beavers in their areas. Please consider getting involved either as a part of a local alumni volunteer network or as a participant in local events, which you can find at www.osualum.com/events.

Be a career mentor. In January we will increase our ability to connect alumni and students for career mentoring and networking. Are you willing to talk with current students or fellow alumni about your work? Not only will you be helping fellow Beavers — you will also meet some

incredible people. If you are willing please sign up to be part of our career network and watch for more information in the weeks ahead at www.osualum.com/career.

Promote the university and all the great things it does. If you are an avid reader of the *Stater*, then you already have a good idea about some of the amazing things happening at today's OSU. Don't be shy to show your Beaver pride — wear the orange and black with pride and share the OSU story with those you meet.

Recruit the best and brightest students to Oregon State. We already are the college of choice among top graduates from Portland-area high schools, and while this is something we can all be proud of, we can always use more great students. Encourage the young people you know to take a close look at your alma mater.

If you want to be part of something bigger then join your fellow Beaver alumni for our annual OSU Community Day of Service on May 19, 2012. You will be doing something good — and you will be doing it with other Beavers. Look for more information in the next several months about events in your area — or if you want to organize a Day of Service project in your area contact us at osualum@oregonstate.edu or call the association at 877-OS-TATER (877-678-2837).

Join the alumni association. The single best way to put your Beaver pride on display and show others that Beavers care about their alma mater is to become a member. Many rating agencies and our peer institutions look at alumni membership as an indicator of a university's overall strength. I want to share some big news that might make membership even a better deal — your membership is now a tax-deductible gift (to the extent allowable by law) so you can not only join the association but potentially get a tax break as well! We vow to continue to be good stewards of your trust in us, to provide you with honest information about the university we love, and to develop even more ways to connect you with OSU!

The holiday season is a great time to think about helping others. I have been humbled by my return to OSU and the caring community of Beaver alumni who are willing to give of their time and energy to make this an even better place. So when you ask us here at the alumni association “how can I help” I hope that you will find an answer that satisfies your needs in the ideas I have suggested — and if you haven't, I hope that you will take the time to send me some of your own suggestions. The real test of our alumni association is not in how we answer your question about how you can help but in how well we help you get connected to the caring, welcoming, hard-working community of Beaver Nation. 🍁

Six alumni fellows, one young alumna honored by OSUAA



DANIEL EUHUS,
'99



WILLIAM LANGE,
'78, '83



JIM MARTIN,
'69, '77



DUANE NELLIS,
'77, '80



ERIN PRINCE,
'84, '06



JOE SNYDER,
'83



MARIA KOSMA,
'03

Seven distinguished graduates — six alumni fellows and one notable young alumna — were honored in November by the OSU Alumni Association.

The honorees met with OSU students, staff and faculty, were feted at a luncheon and dinner, and appeared at the Beavers' Homecoming football game against Stanford.

This year's OSUAA Alumni Fellows are:

Daniel Euhus, Corvallis, an associate professor of chemical engineering at OSU, with a 1999 BS degree in chemical engineering from OSU. He also has worked as an engineer for both Shell and Chevron. The University Honors College nominated him.

William Lange, Herndon, Va., director of policy analysis for the U.S. Forest Service, with a 1978 master's in statistics and a 1983 doctorate in forest management from OSU. The College of Forestry nominated him.

Jim Martin, Mulino, a fisheries biologist and conservationist with a 1969 BS in wildlife management and a 1977 MS in fisheries from OSU. The College of Agricultural Sciences nominated him.

Duane Nellis, Moscow, Idaho, president of the University of Idaho, with a 1977 master's and a 1980 doctorate in geography from OSU. He has also been provost at Kansas State University, and is a strong advocate of land-grant universities. The College of Science nominated him.

Erin Prince, Lake Oswego, superintendent of the Corvallis School District, with a 1984 BS and a 2006 doctorate in education from OSU. The College of Education nominated her.

Joe Snyder, Myrtle Point, a retired veterinarian with a 1983 doctorate in veterinary

medicine from OSU. An advocate for public service veterinary work, he is helping the Smithsonian Institution develop a traveling exhibit about the profession. The College of Veterinary Medicine nominated him.

This year's recipient of the OSUAA Young Alumni Award is **Maria Kosma** of Baton Rouge, La., an associate professor of kinesiology at Louisiana State University, with a 2003 doctorate in exercise and sport science from OSU. She encourages healthy physical activity among older adults and in populations with physical disabilities. The College of Public Health and Human Sciences nominated her.

Two of the fellows gave special lectures on campus.

Idaho President Nellis spoke on "Our American Partnership: The Impact of Land-Grant Universities in our 150th Year." The free public lecture drew an interested audience to the new Linus Pauling Science Center's Reser Auditorium, where they heard Nellis extoll the many ways that universities like OSU and his institution contribute to the public good.

Lange, the forest policy expert, lectured on the topic, "From New Perspectives to Landscape Scale Conservation: Search for a Federal Forest Policy," in the College of Forestry's Richardson Hall.

Scott Greenwood, who is in his first year as executive director of the OSUAA and associate vice president of alumni relations at OSU, said he is excited at the opportunity to shine a spotlight on such an accomplished group of graduates.

"Oregon State is so fortunate to have such outstanding alumni to recognize," Greenwood said. "Their accomplishments inspire all of us to aim higher in our own endeavors. By connecting current students with these ac-

complished alumni, we help develop the next generation of outstanding Beavers."

During the ceremony at which the awards were granted, OSU President Ed Ray thanked the honorees for being living examples of one of his favorite statements, which is that OSU's graduates "are our most important contribution to the future."

The OSUAA created the Alumni Fellows program in 1988 to bring distinguished alumni back to campus to be honored and to share their experiences. The Young Alumni Award was added in 2006.

congratulations to
David F.
of Chehalis, WA.

David completed our recent survey on consumer habits of OSU alumni and won the drawing for an iPad2.



Watch for a story about the survey results in a future *Stater*.

Where we are... Join local networks

Portland

www.osualum.com/portland



California

www.osualum.com/california



Puget Sound

www.osualum.com/seattle



Boise

www.osualum.com/boise



Travel, other listings

www.osualum.com

Events December 2011 – October 2012

DECEMBER

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19th

Christmas light tour Boise, Idaho

29th

Men's basketball tailgater Seattle

JANUARY

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13th

Young alum happy hour downtown Boise

14th

Stampede game with the family Boise

18th

State of the University address,
OSU Business Roundtable Portland

27th

Alumni travel: Amazon River expedition

TBD

Red Hook Tour—
Beavers without Borders premiere. Seattle

TBD

OSU military social Seattle

TBD

OSU Design Network event Portland

FEBRUARY

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2nd

OSU football recruiting dinner Portland

3rd

Tailgate with gymnastics team Seattle

12th

Alumni travel: Tanzania during
the Great Migration

12th

Alumni travel: Mystical India

13th

Culinary workshop Portland

14th

Lord of the Dance — Broadway in Boise . . Boise

16th

2012 Weatherford Awards Portland

18th

Happy hour downtown. San Francisco

18th

OSU vs. Cal men's basketball Berkeley, CA

25th

Destination OSU Palm Desert, CA

TBD

Wine tasting event Portland

MARCH

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16th

Alumni travel: Egypt: the Eternal Nile

17th

OSU Night at the symphony Portland

21st

OSU Business Roundtable Portland

23rd – 25th

Boise Flower & Garden Show Boise

31st

Alumni trip: Provence, France

TBD

Boeing Aviation tour and social Seattle

TBD

OSU Nights – OSU Enrollment Various

APRIL

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14th

Alumni travel: Waterways of Holland
and Belgium, Floriade 2012

18th

Alumni travel: China and Tibet

**20th**Orange & Black Showcase [Portland](#)**27th**OSUAA annual membership meeting . . [Corvallis](#)**27th**OSUAA Spring Awards ceremony [Corvallis](#)**28th**Baseball tailgater [CAL](#)**28th**OSU vs. USC baseball game [CAL](#)**TBD**Boise run/walk [Boise](#)**TBD**Nordstrom shopping night [Seattle](#)**TBD**OSU Design Network fashion show . . . [Portland](#)**MAY**

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3rd

COB Alumni and Business

Partnership Awards [Portland](#)**3rd**

Alumni travel: Kentucky Derby

**10th**Stone Literary Prize event [Portland](#)**15th**

Alumni travel: Italy's Lake District

**19th**OSU Community Day of Service [Global](#)**23rd**OSU Business Roundtable [Portland](#)**25th**

Alumni cruise: Jewels of Antiquity

**TBD**Gardening talk [Seattle](#)**TBD**Culinary workshop [Portland](#)**JUNE**

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3rdSusan G. Komen Race for the Cure . . . [Seattle](#)**6th**Rose Festival Junior Rose Parade . . . [Portland](#)**7th**Senior Send Off [Corvallis](#)**7th**Golden Jubilee [Corvallis](#)**9th**Rose Festival Grand Floral Parade . . . [Portland](#)**10th**Savor Idaho — wine tasting [Boise](#)**TBD**Hawks dinner and game [Boise](#)**TBD**OSU military social [Puget Sound area](#)**TBD**OSUAA golf tournament [Portland](#)**TBD**Beaver Berry Bash at Unger Farms . . . [Portland](#)**JULY**

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1st

Alumni cruise: Along the Adriatic

**11th**

Alumni cruise: Baltic Treasures

14th-15thSeattle to Portland bike tour. . [Seattle/Portland](#)**14th**

Alumni travel: Best of Australia

**21st-22nd**Warrior Dash. [Seattle](#)**TBD**Family picnic [Boise](#)**AUGUST**

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8th

Alumni travel: Discover Switzerland

**TBD**Picnic. [Seattle](#)**TBD**Golf tourney [Boise](#)**TBD**Beaver families picnic [Portland](#)**TBD**Culinary workshop [Portland](#)**TBD**adidas employee store
shopping event [Portland](#)**SEPTEMBER**

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9th

Alumni travel: Cruising the Black Sea

**15th**

Alumni travel: Moroccan Discovery

20th

Alumni travel: Grand Danube passage

**25th**Alumni travel: Canada and New England
fall foliage**TBD**Portland Rally in the Square. [Portland](#)**TBD**Chalk Talks [Portland](#)**TBD**Local game watches [Various](#)**OCTOBER**

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TBDHomecoming (Oct. or Nov.) [Corvallis](#)**6th**Alumni cruise: Best of the Mediterranean
and Greek Isles**7th**

Alumni travel: Ecuador

26thOSU Showcase [Seattle](#)**TBD**Local game watches [Various](#)

B.A.S.F. and **booster** clubs get together

By Kip Carlson

When it comes to Oregon State teams performing on the field, court or whatever, you obviously need your Beaver athletic students. Then you also have a place for your rebounders, your spikers, your dugouts, your falls and your 10.0s.

All those groups are dedicated to making OSU's athletic program financially viable and competitive. But the Beaver Athletic Student Fund (BASF) and the sport-specific booster clubs — like baseball's Dugout Club, women's gymnastics' 10.0 Club, women's basketball's Rebounders, wrestling's The Fall and volleyball's Spikers — have different roles in the process.

The BASF is the main donor fundraising arm of OSU athletics. The money it raises supports all student-athletes as it covers scholarship costs and the majority of the other funds necessary to run Oregon State's 17-sport athletic program. Donations to BASF go into the overall athletic budget that pays for coaches, support staff, equipment, travel and other costs for all sports.

The department also solicits gifts toward capital projects — the “brick-and-mortar” improvements in facilities — and endowed scholarships, which is an ideal avenue for donors who wish to demonstrate support for academics as well as athletics.

As for the sport-specific booster clubs, they raise money for equipment, travel or programs that the athletic department budget doesn't cover.

“Anything the baseball program deems as valuable that we don't have money for, the Dugout Club always seems to be there for us,” baseball head coach Pat Casey said.

The department prefers donors' initial annual contributions go to BASF to promote the success of all sports. Toward that end, only donations to BASF count toward benefits such as ticket and parking priority.

In the past, that has led to some confusion. In some donors' minds, since the amount of their BASF contribution is tied to the location of their football season ticket(s) and parking, they believe that money only goes toward the

athletic director for development. “That being said, we want to give people the opportunity to be involved in a meaningful way and create a personal experience for our supporters.

“That's our goal, to personalize the experience for people and make their giving experience a positive one.”

For the coaches with booster clubs, the positives are close at hand.

When it comes to booster club-funded



Sam Montgomery takes a cut during practice for Beaver baseball, which gets help from the Dugout Club, which Coach Pat Casey relies on for extras not covered by the main budget. PHOTO BY DENNIS WOLVERTON

football program.

“In reality, that BASF donation supports the whole program,” said Todd Stansbury, executive associate athletic director. That money goes toward scholarship costs, academic support, training rooms and all the other costs associated with running the athletic department; it helps all athletes.

“We're dedicated to giving our student athletes a complete experience, and the Beaver Athletic Student Fund allows us to do that,” said Shawn Heilbron, OSU's senior associate

projects, Casey can point to professional development trips for assistant coaches, the windscreens and padding on OSU's outfield fence, pitching machines and — in conjunction with the Albany Beaver Huddle — furniture for the Omaha Room overlooking Goss Stadium at Coleman Field. Women's gymnastics head coach Tanya Chaplin notes the ability to bring in specialists for performance-enhancing programs in such areas as mental training and team-building, along with mats and locker room upgrades.



Stephanie McGregor and her fellow gymnasts get help from the 10.0 Club. PHOTO BY DENNIS WOLVERTON

"The booster clubs really do help support our program," Chaplin said. "It allows us to do things for our athletes that we wouldn't have the normal funds to do ... a lot of our success is because those clubs exist — and I see that across the board: The programs that have the clubs, they really do make a difference."

The fundraising efforts for specific sports go back at least to the 1970s. The Dugout Club formed during Jack Riley's tenure as baseball coach, when that sport's very existence at OSU was threatened several times, and legendary wrestling coach Dale Thomas began an endowment fund to ensure his sport's continuation during tough financial times.

Fundraising events include membership

dues for clubs and also range from baseball's Diamond Dinner to a golf tournament for men's golf. Stansbury estimated clubs may raise anywhere from \$10,000 to \$100,000 for their sport each year.

The clubs must comply with NCAA regulations, and there is representation from the athletic department and the associated sport on a club's board to help assure that all parties are moving in the same direction.

"And then there are best practices," Stansbury said. "We have some booster clubs that are very established and do a very good job. So for a sport just getting out of the gate, we would talk to them about what is working for, say, the 10.0 Club or the Dugout Club or some of the more established ones."

As the Pacific-12 Conference television contract that begins next year begins funneling more money to OSU, Stansbury feels the focus of the booster clubs can move from providing financial support to emotional support.

"It will take some of the pressure off the individual sports having to feel like they need to supplement their operating budget," Stansbury said. "Then the booster groups can really focus on what we would hope would kind of be major priorities — interest in the sport, attendance, and then kind of the gravy projects."

That kind of support is what women's basketball head coach Scott Rueck saw from the Rebounders in his first season at OSU.

"I think the main thing is they provide support for our student-athletes in the most general way," Rueck said. "I mean, they're there. They spread the word about what's going on, they're out in the community, they're community members so they help fill our stands not only with their own presence but they attract others and let them know what's going on."

Rueck pointed to the "goody bags" the Rebounders assembled for road trips, the send-offs and welcome-home groups for those trips, and the postgame gatherings at Gill Coliseum.

"It was a phenomenal thing to watch, and they were so supportive of our players," Rueck said. "And it was so evident how much they cared. That's one of those things I think successful programs have: you have things that aren't the norm that make it extra-special. And this program has that in the Rebounders."

The routes may be different, but the desired destination for BASF and the booster clubs is the same — an Oregon State athletic department that fields competitive teams and produces future leaders.

"We're here to be the conduit between Beavers and the department," Heilbron said. "So however we can best establish those connections, that's what we're here to do."

"If we do a good job, we'll have more involvement, we'll have more private support, and I think all of our coaches and student-athletes will benefit because of it." 🐾



◀ Pac-12 honors Green

A.C. Green will be Oregon State's 2012 inductee into the Pacific-12 Hall of Honor for men's basketball. Green, who will be enshrined in March at the Pac-12 tournament in Los Angeles, joins OSU coaches Slats Gill, Ralph Miller and Paul Valenti and Beaver players Gary Payton, Mel Counts, Ed Lewis, Steve Johnson, Red Rocha, Dave Gambee and Charlie White as inductees.

Green earned All-America honors as a senior and was Pac-10 Player of the Year as a junior while playing for OSU from 1982-85. The forward from Portland's Benson High still ranks fourth in scoring (1,694 points) and second in rebounds (880) on OSU's all-time lists. His jersey No. 45 was retired in 1997, and he was inducted into the OSU Athletic Hall of Fame in 1996 and the State of Oregon Sports Hall of Fame in 2003.

As a professional, Green won three National Basketball Association championships with the Los Angeles Lakers and played in the 1990 NBA All-Star Game. He set a NBA record for consecutive games played (1,192) while with the Lakers, Phoenix Suns, Dallas Mavericks and Miami Heat. Green earned his degree in Speech Communication in 1985 and is currently a businessman and founder of the A.C. Green Youth Foundation.



Enyart a Hall of Famer ▶

Former Oregon State great Bill Enyart was one of 14 players and two coaches inducted to the National Football Foundation 2011 College Football Hall of Fame class on July 15-16 in South Bend, Ind.

A two-time All-Pacific-8 first team selection and a first team All-American in 1968, "Earthquake" Enyart becomes the second OSU player to enter the College Football Hall of Fame, joining Terry Baker as well as former OSU coach Tommy Prothro.

Enyart set single-game school records against Utah in 1968 with 50 carries for 299 yards. The fullback is also in OSU's all-time top 10s with 492 career rushes for 2,155 yards and 25 touchdowns.

A two-time Academic All-American, Enyart graduated with honors in economics in 1969. He played three seasons for the Buffalo Bills and Oakland Raiders.

Enyart currently lives in Bend and works as a caseworker for a Medicaid agency. He has been inducted into the OSU Athletic Hall of Fame and the State of Oregon Sports Hall of Fame.



▶ Buckland represents Canada

Chelsea Buckland asked for a time-out — two terms' worth, in fact. Buckland, a junior forward on Oregon State's women's soccer team, withdrew from school for winter and spring terms of 2011 to participate in the national team program for her native Canada.

Buckland was eventually named an alternate for Canada's team in last summer's Women's World Cup tournament. She was named to the National Training Center team and played against the Women's World Cup team, and advanced to the camp for the U20 National team.

Buckland returned to play for OSU this fall. As a sophomore in 2010, Buckland led the Beavers with 10 goals and also had three assists in earning All-Pacific-10 second team honors.

Ground truly broken on new track

There's a groundbreaking ceremony, and then there's actually breaking ground. For Oregon State's new track facility, there was a gap of over three months between the two events.

In June, more than 400 guests gathered to celebrate the start of construction on the new running oval and field event areas at the southeast corner of campus, near U.S. Highway 20/34. However, paperwork and getting permits finalized meant that the actual work did not begin until Sept. 26.

"They say patience is a virtue, and for me patience has been more of a challenge," OSU head coach Kelly Sullivan said. "I just want to say congratu-

lations to so many people who have worked so hard and especially thanks to every person who has helped donate to this historical project."

Phase I of the track and field project will include an IAAF certified Olympic-caliber polyurethane surface, nine-lane track and the accompanying field event areas with a synthetic FieldTurf infield.

"We need people to keep sending us energy and positive vibes as we still need to raise more funds to finish the project," Sullivan said. "This is just Phase I, we still have work to do, but the dream is real. The work, progress and enthusiasm of what was seen at one time as a 'pipe dream' is no longer and we know more people will wish to be involved in some way or another."

▶ Read about a major donor to the track project on page 34. Follow the project via webcam at webcam.oregonstate.edu/trackfield.

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Beaver basketball

By Kip Carlson

One coach has “his own” team and doesn’t mind fans and his players setting their sights sky-high — or at least rim-high. The other, after winning more games than anyone had a right to expect a year ago, is still working to reach that point.

As basketball season begins at Oregon State, Craig Robinson isn’t shy about pointing to the NCAA Tournament as a goal for the men’s team in his fourth season. Scott Rueck, in his second season as women’s coach, is focused on continued effort and improvement; specific win numbers aren’t in the picture.

Robinson says it’s now appropriate for Beaver fans to expect their team to be back in its historic place as a basketball force — not just competitive, but winners. His players went public early with the notion that their goal is OSU’s first NCAA berth since 1990, and he’s not backing away from that.

“Not at all, because that’s what expectations are,” Robinson said. “It’s what you expect of these guys, and you can’t expect these kids to accomplish things when they don’t have any expectations.

“The analogy I use with these guys is, every single one of them is now in college. Their parents, when they were first born, expected them to go to college — but that doesn’t automatically mean you get to go; you have to put in the work to get there.

“Same thing with making the NCAA Tournament: you have to expect to go there, first. Then you have to put in the work to do it. So yeah, I’m as optimistic as I’ve ever been with this club.”

For the first time, Robinson has a roster filled with his recruits; the last of the players who suffered through the winless conference season that preceded Robinson’s hiring have cycled through the program. As major college athletes these players have only know Robinson’s way of doing things at OSU.

“And not only is it the same set (of expectation) all the way across, but those guys have come from programs where they’ve won a lot of games in the past,” Robinson said. “And this is in no way a slant on the guys from before ... it is different. And losing can become

habit-forming if you aren’t able to dig yourselves out.”

This time around, Robinson feels OSU has the talent and has put forth the effort to be entitled to a mentality centered on winning rather than being competitive.

Juniors Jared Cunningham (guard), Joe Burton (forward) and Angus Brandt (forward) lead a group whose talents enable Robinson to change his coaching style toward more man-to-man defense and up-tempo offense.

After having less-athletic teams in his previous coaching stop at Brown and in his first three seasons at OSU, Robinson admits that it’s a bit of a leap of faith for him to move away from what he’s necessarily had to use in the past.

“I have said that this group has made me recalibrate the way we think about the game, because the opportunities I have had have always been turnarounds,” Robinson said.

Like Robinson,

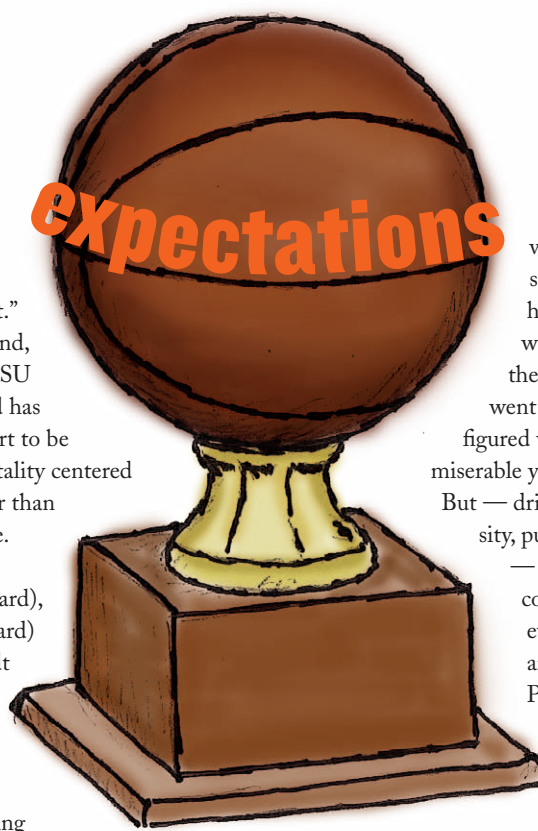
Rueck inherited a daunting rebuilding project.

Coach-player relations under the previous regime had led to defections that left Rueck with two players — only one with NCAA Division I experience — and three incoming recruits when he moved into his Gill Coliseum office in July 2010. He spent the summer scrambling to fill his roster and round out a coaching staff; the Beavers eventually spent the entire season with one fewer assistant than allowed.

Since some had questioned in the spring whether OSU would even be able to field a team, no one would have been surprised, or perhaps even disappointed, if the Beavers had gone winless in 2010-11.

“A year ago, honestly, I didn’t know if we’d

expectations



win a game,” Rueck said. “That was my honest expectation. I was just hoping to keep the team together as we went and through what I figured would be kind of a miserable year.”

But — driven to play with intensity, purpose and discipline — OSU won seven non-conference games and even dumped Oregon and Washington in Pac-10 contests. It was a feel-good story and the crowds grew larger as the season went on.

This year, Rueck’s expectations have grown, but not necessarily involving the record at season’s end.

“This year, we have everybody in place, we have a plan, we know where we want to go with the season,” Rueck said. “I would say that this year I’d be disappointed if we weren’t more prepared as coaches for what’s coming, and therefore the team is more prepared.

“Again, wins and losses, you can never control that — I have no idea.”

The Beavers return sharpshooting junior guard Sage Idendi, who earned All-Pac-10 honors last season, and sophomore guard Alyssa Martin, who was named to the conference All-Defensive team last season. But OSU lost All-Pac-10 center El Sara Greer and needs to develop players in the post, and six of the 12 players on the roster are new to the program.

While the fans Rueck has talked to are excited about the coming season, he says that turnover has made for “cautious optimism” on their part. As for the players?

“They want to win, and they expect to win,” Rueck said. “And that’s what it should be ... losing’s not fun. Even if you’re improving, even if you’re playing well, even if you’re getting close to your potential, if you’re not winning, it’s frustrating.

“So I know they’re ready to make a change in the win column.” 🍌

“They want to win, and they expect to win”

~Scott Rueck

LIFE MEMBERS *Welcome!*

The OSU Alumni Association welcomes a year's worth of new life members who have committed to the university and their fellow alumni for the rest of their lives. The cost for those who have graduated in the past five years and for those age 65 and older is \$700 for an individual and \$850 for a joint membership. The general price is \$1,000 for an individual or \$1,250 for a joint membership. For more information, visit www.osualum.com/membership or call 1-877-OSTATER.

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- Laurel Christensen Allender, '83
- Donna Elliot Anderson, '84
- Jeffrey D. Anderson, '84
- Steven Anderson, '71
- Jose Aparicio, '06
- Karly Nelson Aparicio, '04
- Jerald E. Backstrand, '55
- James J. Badden, '78
- John D. Bailey, '97
- Kenneth T. Barrow, '77
- Scott A. Bassett, '82
- Lee M. Batson, '77
- Arthur M. Beavens, '56
- Grace Jackson Beavens, '55
- Del Berg, '67, '69
- Sue McKelvey Berg, '68, '74
- Jay N. Boatwright, '78
- Heather M. Bolstad, '06
- Theron C. Bone, '67
- John E. Borden, '69, '73
- Michael D. Brady, '69
- Janice Brady
- Kristina L. Butler, '96, '98
- Turner M. Byrd, '03
- Maureen Leary Campo, '76
- Richard J. Campo, '76
- James C. Carnahan, '74
- Stephen A. Cassell, '79
- Susan Wondries Catalano, '73
- Bettyjane Harvey Charnholm, '67
- Bill H. Charnholm, '67
- Alicia Cheng, '03
- William T. Cobb, '73
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- Rosemary S. Coleman
- Kendall R. Cook, '01
- Melanie Cook
- Katherine Stutz Crawford, '05, '06
- Paul W. Crawford, '06
- Clarice Shult Croeni, '74
- Mark D. Croeni, '73
- John W. Davis, '77
- Kevin J. Davis
- Michelle Jones Davis
- Murrit H. Davis, '68, '79
- Tamara M. Day, '06
- Edward F. Decker
- Lorraine K. Decker
- Miles B. Dodge, '09
- Sharon Truax Douglas, '63
- Tonny W. Eilertson, '88
- Richard A. Ellerby, '62
- Judy Etzel-Samples, '81
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- Kent Fretwell, '54
- Annella W. Furtick
- David F. Galbreath, '94
- Kelly Wade Galbreath, '95
- Julie Hutton Gonzalez, '86
- Ramon Gonzalez, '96
- David G. Gould, '66
- Donna Bartels Gould, '65
- Loulie McMurdo Gray
- Roger R. Gray, '69
- Gerald L. Greene, '66
- Shelley G. Greenwood, '78
- Gloria Hachler Griggs, '62
- Joe H. Griggs, '60
- Christopher I. Grimes, '71
- Carol Jo Hahn, '78
- Janis Myers Halsey, '71
- Mark E. Halsey, '70, '82
- Doug Hamilton, '91
- Traci L. Hamilton
- Eileen Potucek Hartmann, '74, '76
- Doris S. Hasegawa, '69
- Sonnie Hayes-Kirtley, '60
- Barry B. Hendrix, '81
- John S. Hill, '11
- Kevin L. Hoffman, '04
- Susan Klein Holcomb, '75
- Darrell J. Hook, '85
- Jeannette Zanzig Hook, '86
- Christopher S. Huston, '96
- Ines Ruiz-Huston, '96, '98
- Robert H. Hutchins, '63
- Sandra Schuster Ingalls, '75
- Joel L. Ivey, '65
- Steven T. Ivory, '90
- Linda Iwasaki
- Ronald T. Iwasaki, '67
- Kathleen Wolff Jansen, '82
- Richard J. Jansen, '82
- Donald W. Jeske, '66
- Mary Ann Jimerson
- Robert W. Jimerson, '81
- Lorry Juteau-Davis
- Scott A. Kafader, '06
- Eric J. Kaiser, '93
- Kelley Quigley Kaiser, '93, '99
- Kitty T. Keenan, '84
- Kathleen Alta Kenney, '00
- Michael E. Kenney, '00
- James J. Keizur, '60
- Julia Dawson Keizur, '62
- Darrell J. Kirksey, '85
- Helen E. Kirtley
- Kevin L. Klink, '80
- Janet Bohnstedt Knowles, '59
- Tessa Stuedli Koch, '97, '98
- Todd M. Koch, '98
- Tom P. Krautscheid, '88
- Scott A. Krueger, '88, '91
- Nancy D. Kuehlwein, '80, '83
- David A. Lachowski, '95
- Donald R. Laird, '69
- Vernon H. Laird, '68
- Gregory P. Lancaster, '64
- Kenneth D. Larsen, '70
- Gregg L. Larson, '79
- Sally Legler Larson, '83
- Reagan P. Le, '06, '07
- E. Sammi Lehmann
- Nicole M. Leonard, '05
- Deanna Rosato Lewis, '07
- Jack B. Lewis, '90
- Monica Lewis
- Gale G. Liberty, '67
- Benjamin E. Lyons, '98
- William C. Looney, '61
- Keith L. Martin, '60
- Cynthia Marvin, '84
- Lila McAlhany
- Doryce Dufur McDonald, '92, '96
- Jim D. McDonald
- Errol S. McKinney, '63
- Margaret G. Mecklem
- Nicholas K. Mecklem, '67
- Chad J. Melvin, '05
- Megan Bioletto Melvin, '03, '05
- Mark C. Michaels, '86
- Andrea Arguedas Moore, '97
- Dominic M. Moore

LIFE MEMBERS

Welcome!

- Mary Myatt Moreland, '54
- John D. Murakami, '75
- Ishwar P. Murarka, '68, '71
- Bill O. Nicholson, '80
- Kathleen Hickman Nicholson, '80
- Karen Nickel-Creusere, '61
- Ryan A. Northcutt, '96
- Sara Northcutt
- Mathew W. Northway, '76
- Amethyst R. O'Brien, '02
- Elvia Hillner Oliphant
- Nancy J. Oliver, '82
- William E. Olson, '60
- Julio C. Omier, '99, '01
- Vern M. Owen, '90
- Alvin R. Paden, '57
- JoAn Haik Paden
- Paul E. Painter, '69
- Jim L. Paul, '71
- Kala Lapidus Paul, '72
- Edward Y. Pei, '71
- Ann Frazer Pickering, '76
- Sara Cain Phillips, '08
- Douglas C. Plaisted, '89
- Kevin Poff
- Nichelle Puhlman Poff, '09
- Kathleen Poole, '80
- Mary E. Power, '90
- Jill Chen Price, '89
- Marcella Cummins Pringle, '58
- Roger F. Ranuio, '89
- Tucker Readdy, '10
- Dale H. Reed, '82
- Patricia A. Reed
- Jack R. Reider, '56
- Keely Spears Reinhard, '81
- Matthew C. Reinhard, '81
- Jane Nichols Reser, '81
- Martin A. Reser, '83
- Jane Crider Ringo, '47
- Robert G. Ringo
- La Brie H. Ritchie, '47
- Ruth Ritchie
- Donald A. Robert, '82
- Jennifer Bradley Robert
- Dorothy Reid Roholt, '76, '07
- Robert B. Roholt, '76
- Rick M. Romano
- Katherine Starkovich Rood, '87
- Joyce Fager Nance Ruston, '56
- Lynda E. Sanders, '86, '93
- Christopher L. Sarles, '87
- Jeffery W. Schneider, '71
- Allyson K. Schuckert, '97
- Gretchen S. Schuette, '80
- Cheryl R. Shippentower, '02
- Gene E. Shippentower, '02, '08
- Derek T. Sibert, '05
- Rosemary A. Sickles
- Joan Skoro
- Tom Skoro, '81
- Rosalie Stevenson
- Tom D. Stevenson, '72
- Cameron C. Stovall, '06
- Jennifer Chambers Stovall, '07
- Melissa M. Strait, '79
- David K. Studley, '65
- Jaffer R. Syed, '73
- Susie Randleman Syed, '72
- Suyli Tan, '83
- Paul B. Taylor
- Peggy Measner Taylor, '71
- Carolyn Bergen Tecube, '62
- Kenneth K. Teramura, '68
- Charity A. Thoman, '00
- John C. Thomas, '66
- Charley S. Thompson, '67, '68
- Nancy Nicol Thompson, '67
- Rachel Jolley Todd, '08
- Valerie M. Trotter
- Donald A. Tucker, '01, '07
- Marcus C. Turner, '93
- Kathy L. Ward, '77
- David T. Weaver, '88
- Tamira Kociemba Weaver, '88
- Paul J. Weiner
- Jennifer L. Westhoff
- Wade J. Westhoff, '93
- James E. Whiteley, '54
- Steve A. Wick, '81
- Celia Markman Wienholz, '70
- Diane B. Willett
- Kent T. Willett, '90
- Rex N. Winder, '74
- Jarod M. Winnen, '98
- Nicole Parkinson Winnen, '98
- John S. Wong, '88
- Sandra Wong, '77
- Russell S. Yamada, '68

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CLASS NOTES

AWARDS

Jack Borsting, '51, Los Angeles, Calif., was awarded the University of Southern California Faculty Lifetime Achievement Award. He is professor and dean emeritus of the Marshall School of Business at the University of Southern California and a former under secretary and comptroller for the U.S. Department of Defense.

Daniel Grischkowsky, '62, regents professor at Oklahoma State University, received the 2011 Kenneth J. Button Prize from the International Society of Infrared, Millimeter and Terahertz Waves for "Pioneering Contributions to the Development of Terahertz Time-Domain Spectroscopy."

Perry Johnston, '65, and his wife, Donna Mae, have been named Cattleman of the Year by the Wallow County Stockgrowers. They have been ranching outside Wallowa for more than 40 years.

Harvey G. Johnson, '68, was inducted into the Athletic Hall of Fame at Waldorf College, Forest City, Iowa. He taught science classes and coached golf at Waldorf for 18 years and was honored for taking his golf team to the NJCAA Tournament for four years.

Maureen Daschel, '81, a science teacher at St. Mary's Academy in Portland, has been named Outstanding Classroom Teacher by the Oregon Science Teachers Association.

MILESTONES

Tami Hotard, '00, and her husband Dr. Justin Strittmatter, welcomed their son, James, on March 31. Her book, *The Beauty of Breast Cancer (2010)*, was acknowledged this year by the Susan G. Komen Foundation in Mississippi as well as the American Cancer Society of Panama City, Fla., where they live. Her new book, *Big Charity*, is to be released in December 2011.

APPOINTMENTS

Jay Hixson, '73, Orlando, Fla., is executive vice president of the Program Management/Business Development Group at JHT Inc.

Jenna Dorn, '73, is CEO of the American Academy of Physician Assistants based in Alexandria, Va.

Connie Shelton Weaver, '72, '74, is a distinguished professor and head of the Department of Foods and Nutrition at Purdue University in Indiana. She also directs a National Institute for Health Botanical Center for Age Related Diseases at Purdue. She was recently elected to membership in the Institute of Medicine which advises Congress on health issues.

Lisa Holding Chatterton, '77, food service director in Tacoma, Wash., is president of the Washington School Nutrition Association for 2011-2012.

Brooks E. Harlow, '78, McLean, Va., has become a principal of Lukas, Nace, Gutierrez & Sachs, LLP, a Washington, D.C.-based telecommunications law firm.

Tilahun Adera, '80, '88, Las Cruces, N.M., is dean of the New Mexico State University College of Health and Social Services. He and his wife regularly return to his home town in Ethiopia where they are helping to construct a center that will provide basic health care for the small community.

Angela Strike Snow, '81, is director of creative operations and macro-trends for Nike in Beaverton.

Kathleen McNally, '86, is creative director for apparel at Columbia Sportswear in Portland.

Robert D. Mangold, '88, Rockville, Md., is director of Forest Health Protection for the USDA Forest Service in Washington, D.C. and a member of the Science Advisory Board for the nonprofit organization, American Forests.

Rich Harrison, '89, senior vice president and chief operations officer at Safelite AutoGlass, has joined the board of directors of Habitat for Humanity - Greater Columbus, Ohio.

Brent Norquist, '89, Portland, is vice president of military business development at USA SHADE & Fabric Structures, Inc. He recently retired as a lieutenant colonel in the U.S. Marine Corps.

Christine Burrows Cyphers, '92, Milwaukie, is a global sourcing and manufacturing manager at Columbia Sportswear.

Rachel Barrong Aazzerah, '99, '03, Monument, is science assessment specialist for the Oregon Department of Education and president of the Oregon Science Teachers Association.

Abby Windell Swancutt, '07, is an apparel designer at Nike in Beaverton.

Lauren Stewart Ross, '08, '11, is a sourcing analyst for Columbia Sportswear in Portland.

OTHER NOTES

Rev. Delbert Rice, '50, has published two new books. *Life in the Forest* is a collection of folk stories from a little known tribe in the mountains of Northern Philippines. *Walking with a Troublemaker* is a biography of the apostle Titus and his journeys in Turkey, Macedonia and Greece. In addition to writing books he is also deeply involved in climate change. The Philippine community where he has been living since 1956 has been pioneering carbon sequestration and community management of forest resources. He was married to **Esther Bernham Rice**, '51, who died in 2008.

Phyllis Eickelberg, '56, has written a brain teaser novel called *Bearly Hidden* (Amazon) which is set in a mythical town in Oregon. It contains puzzles for the curious to solve as they and the protagonist overcome numerous obstacles.

Donald M. Alanen, '59, Beaverton, has

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- John Porter '83, president, OSU Alumni Association

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Alumnus turns dream into successful boarding school for troubled boys

Shivering in an old homesteader's cabin on the side of an Idaho mountain, Andy Sapp, '97, wondered where he would find the money to cover the first payment on his ranch — let alone what it would cost to build a beautiful lodge overlooking Black Canyon Reservoir.

Was his vision of a therapeutic boarding school for boys going to be a reality — or would it end here?

Luckily many others shared Sapp's vision and today Cherry Gulch is fulfilling its mission to help young boys reach their full potential and be an asset to their communities.

Sapp had come to OSU to join the wrestling team as a walk-on ("I was never the star: I got beat up a lot at Oregon State in the wrestling practices — but it certainly helped provide me with a good work ethic.") and became interested in helping adolescents while taking psychology classes.

"I was a research assistant for John Gillis. Doctor (Irv) Horowitz was another professor who really inspired me to go on and get my Ph.D.," Sapp said.

Finishing his studies at the California School of Professional Psychology, he did clinical work at hospitals and youth programs while developing a long-term plan to someday open a school for boys.

After he moved to Idaho, the transition from plan to reality picked up speed when a local rancher got wind of Sapp's dreams.

"He is a local cowboy who gave us a trail ride to the top of the mountain and eventually said he'd sell me a portion of his ranch, 220 acres, if I wanted to start the school on his property," said Sapp. "'Make one payment a year,' he said. He convinced me I could do it."

"I was living in a 100-year-old shack with no insulation, a wood stove for heat, BBQ to cook on and no bathroom," he said. "I was starting to look like Grizzly Adams."

After Sapp exhausted his savings on the effort, family members and another clinical psychologist who believed in his plan became partners in the school.

It opened in 2006 in a portable building with 10 students. Today the award-winning, certified school for boys aged 10-14 has reached its capacity of 40 students.

The 60 full-time staff members include therapists, teachers and activity specialists housed in a large, lodge-like residences with classrooms, counseling offices and outdoor riding arena.

Unlike isolated wilderness schools, Cherry Gulch is near civilization, only 30 miles north of Boise. The school encourages family participation in the boys' care through parenting workshops, frequent phone calls and visits home or to the school, where parents can stay with their son in a covered wagon. Each year



▲ Andrew Sapp became interested in helping boys in trouble get on track for successful lives while studying psychology at OSU; his dreams became reality at Cherry Gulch, about 30 miles outside Boise. PHOTO COURTESY ANDREW SAPP

the school holds alumni reunions for former students to reconnect.

"We are ultimately trying to give away the program by teaching the parents what is working well for their son here and how to implement that back at home," he said.

Recently Sapp and his wife, Christina, became the parents of twin girls, Faith and Hope.

"I thought I would like sons, but now I am thinking it might be a blessing to have girls at home and boys at work," he said.

"Cherry Gulch was my vision but I definitely could not have done it without the team of people that have been helping me. They have been able to put their fingerprints all over the school and program and ultimately made it a lot better than I could have made it without them.

"We are trying to create a place that will do long-term good and spend our lives building something greater than ourselves that will continue to do positive things for students and families well after we're gone."

— By Ann Kinkley

published a book, *We Ask, Why?* which is a critique of the government-industrial-military cartel.

Alan Shue, '68, Olympia, Wash., has released *Chee the Flea*, a children's picture book about a family of circus fleas. www.bugrhymesbooks.com

David C. Antonucci, '74, Homewood, Calif., has written a book, *Fairest Picture — Mark Twain*, describing Mark Twain's experiences and travels at Lake Tahoe.

OBITUARIES

Dorothea Henningsen Rampton, '31, Corvallis. She was 103 years old. Donations can be sent to the Henry H. and Dorothea Rampton Memorial Scholarship Fund for Crop and Soil Science students at 800-354-7281. *Alpha Chi Omega*

Jane Roark East, '37, Springfield. *Delta Delta Delta*

A. Raymond Schoenfeld, '37, Chico, Calif. *Phi Gamma Delta*

Dorothy Norton Stevens, '38, Roseburg.

Melva Bull Ingle Taylor, '38, Salem.

Harry F. Abe, '39, Bay Shore, N.Y.

Rognar F. Anderson, '39, Mount Vernon, Wash. *Lambda Chi Alpha*

Elmer J. Buehler, '39, Portland.

➤ Learn more about alumnus Andrew Sapp's Cherry Gulch therapeutic boarding school at www.cherrygulch.org.

Patricia Reilly Cornett, '39, Hood River.
Ione Turner Downey, '39, Tillamook. *Alpha Chi Omega*

Marjorie Kinnear Dudley, '39, Portland.
Delta Delta Delta

O. Keith Hutchison, '39, Seattle, Wash.

Robert J. Mannheimer, '40, Portland. *Theta Xi*

Chet L. Robinson, '40, Beaverton.

Rodney W. Tripp, '40, Albany. *Theta Xi*

Al J. Trommershausen, '40, Walnut Creek, Calif.

E. Bill Anderson, '40, Portland. Gifts in his memory may be made to the E. William and Lois Anderson Memorial Fund at 1-800-354-7281.

Helyn Long Van Huffel, '40, Bend. *Alpha Gamma Delta*

Martha Bedford Whiteside, '40, Corvallis.

Francis R. Jones, '40, '65, Jefferson.

Mary Thomson Birkemeier, '41, Portland.
Kappa Kappa Gamma

Winifred Weigel Brown, '41, Oregon City.

Raymond Pederson, '41, Twin Falls, Idaho.

Herbert E. Harper, '41, '47, Osburn, Idaho.

Esther Johnson Bleakly, '42, Gordon, Neb.

Clifton A. Coulter, '42, Leominster, Mass.

Frances Balin Hahn, '42, Klamath Falls.

Alpha Gamma Delta

Robert M. Hall, '42, Caldwell, Idaho. *Sigma Phi Epsilon*

Constance Bodeker Hampton, '42, Salem.
Sigma Kappa

Marylou McEachron Lord, '42, Wilsonville.
Pi Beta Phi

Hal "Bud" Goodyear, '42, '48, Weaverville, Calif. *Lambda Chi Alpha*

Sybil Kennedy Mulder Specht, '42, Tillamook. Her first husband, **Jack T. Mulder**, '43, was MIA in Europe in 1944. Her second husband, **Lyle Specht**, '41, died in May 2011.
Pi Beta Phi

James W. Bunzow, '43, Portland. *Beta Theta Pi*

John C. Gilman, '43, Nevada City, Calif.
Kappa Sigma

Walter T. Thompson, '43, Brookings.

F. Harry McNeal, '43, '48, Bozeman, Mont.

Almarion S. Bailey, '44, Fairfax, Va. *Sigma Chi*

Betty Irvine Ebmeyer, '44, Beaverton. *Chi Omega*

Richard J. Hallock, '44, Red Bluff, Calif.

Anabell Haynes Smith, '44, Bellevue, Wash.
Alpha Xi Delta

Marjorie Peery Bowman, '46, McMinnville.

Kappa Kappa Gamma

Betty Baldwin Cilker, '46, Los Altos, Calif.
Delta Delta Delta

Marian Murray Foster, '46, Salem. *Pi Beta Phi*

Nancy Farrens Hendrickson, '46, Palo Alto, Calif. *Alpha Chi Omega*

Delmar L. McConnell, '46, Gresham.

Lois Richards Shoemaker, '46, Roseburg.
Sigma Kappa

Charlotte Bohle Wissler, '46, Portland. *Alpha Chi Omega*

Rosemarian Rauch Berni, '47, Langley, Wash. *Kappa Kappa Gamma*

Byron F. Disselhorst, '47, Carlsbad, Calif. *Phi Gamma Delta*

William R. Gray, '47, Portland. *Sigma Alpha Epsilon*

N. Dennis Koch, '47, Whittier, Calif.

Mary Walker Ousterhout, '47, Salem.

Earl C. Reynolds, '47, Boise, Idaho. *Phi Delta Theta*

Arleta Herman Templeton, '47, San Francisco, Calif.

Jerome H. Johnson, '47, '53, Cottage Grove.

Roy C. Edgerton, '48, Arlington, Va. *Sigma Nu*

Walter W. Foster, '48, Salem. *Sigma Chi*

Art W. Hansen, '48, Sherwood. *Sigma Pi*

Dick A. Hill, '48, Rohnert Park, Calif.

Richard O. Powell, '48, Santa Rosa, Calif.

John L. Runckel, '48, Lake Oswego. *Phi Sigma Kappa*

George W. Swan, '48, Corvallis.

Ward C. Williams, '48, Tigard. *Phi Delta Theta*

John B. Alexander, '49, Medford. *Delta Tau Delta*

Ruth Spears Black, '49, Portland.

Ronald D. Brown, '49, Washington, Mo.

Irwin Ewing, '49, Vancouver, Wash.

Betty Levine Knackstedt, '49, Jacksonville.

George E. Lipp, '49, Kailua, Hawaii.

Raymond H. Logan, '49, Apache Junction, Ariz. *Beta Theta Pi*

Merlin W. Pulliam, '49, Corvallis.

C. Wayne Robbins, '49, Lebanon. *Sigma Phi Epsilon*

Allen G. Shinn, '49, Tacoma, Wash.

Earl T. Sorensen, '49, Salem. *Sigma Phi Epsilon*

Henry R. Kaiser, '49, '66, Monmouth. *Sigma Chi*

Alvin G. Anderson, '50, Cloverdale.

Leo J. Defferding, '50, Kennewick, Wash.

John P. Dube, '50, Jacksonville.

William R. Fretwell, '50, Salem.

Glenn W. Harvey, '50, Corvallis. He and his wife, **Mildred Harvey**, '46, of Corvallis, donated their ranch at Summer Lake to OSU in 1987. They also created four endowed scholarships and an endowed professorship in animal sciences. Gifts may be made to the OSU Foundation in support of the Glenn and Mildred Harvey Educational Endowment Fund, 1-800-354-7281. *Lambda Chi Alpha*

Al R. Jonez, '50, Golden, Colo.

Terry D. McGrath, '50, Newberg.

Carroll E. Page, '50, Seattle, Wash.
Martin L. Reilly, '50, Cockeysville, Md. *Phi Gamma Delta*

Ed F. Ridderbusch, '50, Tillamook.

Dean M. Robertson, '50, Bellingham, Wash.

John A. Sacklin, '50, Puyallup, Wash.

John L. St. John, '50, Gervais.

Charles H. Walter, '50, Sonora, Calif.

Dr. William D. Wright, '50, Windsor, Calif.

Paul E. Alley, '51, Richland, Wash. *Sigma Alpha Epsilon*

Twain M. Brewer, '51, Camarillo, Calif.

Richard E. Crandall, '51, Newport.

Lawrence D. Nelson, '51, Tucson, Ariz.

Henry "Hank" Hess, '51, Waldport. *Lambda Chi Alpha*

E. Ross Kuhnhausen, '51, Portland. *Alpha Tau Omega*

Burrell B. Lovell, '51, Vale.

Clancy W. Palmateer, '51, Salem.

Shirley Wyss Prather, '51, Morgan Hill, Calif. *Alpha Omicron Pi*

Harry C. Frith, '51, Folsom, Calif.

Clifford D. Cannon, '52, Newberg. *Phi Kappa Tau*

Carlos "Cub" Houck, '52, Salem. *Phi Delta Theta*

John A. Ullman, '52, Saint Thomas, Mo.

Don Jerry Branton, '53, Gresham.

David E. Christie, '53, Aurora.

Robert H. Hango, '53, Clackamas.

Virginia Potter Pierce, '53, Castro Valley, Calif. *Kappa Kappa Gamma*

Dr. Donald E. Remlinger, '53, Eugene. *Beta Theta Pi*

Richard S. Shaffer, '53, Portland. *Pi Kappa Phi*

William Waisgerber, '56, Redding, Calif.

Hal C. Sparks, '53, Bainbridge Island, Wash. *Sigma Chi*

Lynne E. Timmermann, '53, Pendleton.

Kappa Sigma

Fred (Sutherland) Trotter, '53, Honolulu, Hawaii. He was a descendent of James

Campbell and was trustee of the Campbell Estate for many years. He served on the boards of several non-profit organizations in Hawaii, was a trustee of the OSU Foundation and served many years on the OSU Alumni Association Board of Directors. *Kappa Sigma*
Ann Williams, '53, Eugene. *Pi Beta Phi*
Russ L. Jolley, '54, '58, Portland. He was a conservationist working in the Columbia Gorge who collected many specimens for the OSU Herbarium.

Warren Kan, '54, Seaside. *Tau Kappa Epsilon*
Richard A. English, '55, Cazenovia, N.Y.
A. Wes Grilley, '55, Pendleton. He was honored as a 2008 Diamond Pioneer by the College of Agricultural Sciences. *Kappa Sigma*
Gary G. McClain, '56, '56, Albany.
Dale Martin Johnson, '55, Richland, Wash.
Edwin L. Terriere, '55, Willamina.
James C. Isom, '56, Albany.
Richard V. Olson, '56, Clackamas. *Lambda Chi Alpha*

G. Pat Ryan, '56, Lake Oswego.
Richard G. Christner, '57, Lake Tapps, Wash. *Delta Tau Delta*
Dr. Eric W. Craig, '57, Salem. *Phi Gamma Delta*

Norman J. May, '57, Blachly.
W. Curt McLeod, '57, Highlands Ranch, Colo. *Theta Chi*
Edgar R. Barton, '58, La Grande.
Robert J. Doran, '58, Poulsbo, Wash. *Phi Kappa Sigma*
John A. Heffley, '58, Salem. *Sigma Pi*
F. Vernon Hudnut, '58, Cupertino, Calif.
Garvin C. Lovejoy, '58, Portland. *Delta Tau Delta*

Rudolph K. Robles, '58, Missoula, Mont.
Harold L. Simes, '58, Vancouver, Wash.
Robert C. Simonsen, '58, Astoria. *Theta Chi*
Marygrace Harger Veek, '58, Prescott, Ariz. *Delta Zeta*

Garner "Gary" E. Anderson, '59, Lake Oswego.
Paul H. Laursen, '59, '61, Lincoln, Neb.
Leslie Furer Heckathorn, '59, '72, Brownsville.
Joanne Miller Boyd Berglund, '60, Gresham.
Roger K. Blomberg, '60, Woodburn.
Barbara Buescher Bringham, '60, Lacey, Wash. *Kappa Delta*
Bernard P. Lee, '60, Hong Kong, China.
Gilbert R. Marguth, '60, Livermore, Calif.
Ellwood D. Miller, '60, Portland.
Carol Boesch Nelson, '60, Monmouth. *Delta Delta Delta*

Delpha I. Daggett, '60, '66, Springfield.
Linda Walker Arenchild, '61, El Dorado Hills, Calif. *Delta Zeta*
Jens J. Robinson, '61, North Plains.
Harry A. Thayer, '61, Port Townsend, Wash.
Martha Lierly Margosian, '62, Salem.
Richard C. Musselman, '62, Newark, Del.
James M. Slover, '62, Bellingham, Wash.
Lyle D. Heck, '62, '63, Reading, Pa.
Jack M. Bull, '64, Salem. *Phi Kappa Psi*
Dennis L. VandeWiele, '64, Saddlebrooke, Ariz. *Phi Kappa Theta*
George R. Moore, '65, Eagle Point.
Dennis A. Braswell, '66, Renton, Wash.
Vernal H. Larsen, '66, Eagle Creek.
Arnold H. Wittrock, '66, Portland.
Stanley B. Cammack, '67, Payson, Utah.
Madalyn Lackey Davis, '67, Hitchita, Okla.
Gary G. Olson, '67, Berthoud, Colo.
Dorothy Carlson Sperling, '67, Corvallis.
George S. Alspach, '67, '72, Westminster, Md.
Joseph W. MacQuade, '68, South Dennis, Mass.
Judith Boetticher Ritter, '68, Medford.
Nancy L. Hardie, '70, Condon.
James W. Presley, '70, Portland.
Gary S. Cantwell, '71, Grand Terrace, Calif. *Delta Upsilon*
Paul G. Denison, '71, Seattle, Wash.
James D. Kennedy, '71, Green Cove Springs, Fla. *Alpha Sigma Phi*
Nancy Kuhlman Jones, '72, Portland.
Barbara Krell Kronsteiner, '72, North Bend.
Katherine A. Parkin, '73, Kalispell, Mont.
David G. Miltenberger, '74, Portland.
William R. Berger, '76, Salem.
Carolyn Cooper Grassley Havelka, '76, Lake Oswego.
Karl F. Feigner, '77, Corvallis.
Norman E. Heyerdahl, '78, Mill Creek, Wash.
Bryan R. Smith, '78, Roswell, Ga.
John T. Stoner, '78, Eugene.
Joel H. Ehrlich, '79, Lihue, Hawaii. *Kappa Delta Rho*
Michael R. Shirley, '79, Joseph.
Cynthia J. Wilhite, '80, Monmouth. *Alpha Omicron Pi*
Jeffrey J. Rauscher, '81, Williamsburg, Va.
Kenneth W. Merrell, '82, Eugene.
James P. Jacobs, '83, Missoula, Mont.
Janette Meek Merriman, '83, Corvallis.
Dr. Bruce W. Mueller, '83, '86, Sheridan. *Alpha Kappa Lambda*
Deborah Meek Stephens, '84, Wilsonville.

Mickey J. Riley, '84, '92, Corvallis.
Mark C. Rutland, '89, Dallas.
Efrain S. Valdivia, '91, '92, Vancouver, Wash.
Roseanne Ehlers Langstraat, '92, Corvallis.
Charles W. Parsley, '94, Hoonah, Alaska.
Janis S. Elliot, '96, Portland.
Linda Carniglia Maxwell, '96, Chugiak, Alaska.
Christopher J. Willemin, '96, Farmington, N.M. *Alpha Tau Omega*
W. Dan Powell, '02, Columbia, Md.
David L. Evans, '06, Bend.
Richard F. Mauroner, '10, Fayetteville, Ark.
Fan Yu, China. He was enrolled in OSU's INTO program.
Zhaoxuan Dong, China. He was enrolled in OSU's INTO program.

FACULTY AND FRIENDS

J. Ann Allen, Salem.
Allen F. Anglemier, '55, '57, Corvallis. He taught in the Animal Science Department and the Department of Food Technology.
Mary A. Apple, Albany.
Dorotha Barratt-Knecht, Corvallis. *Alpha Phi*
Kate D. Barrow, Winston-Salem, N.C.
Maureen L. Bartlett, Corvallis.
Ronald E. Berger, Chicago, Ill.
Richard A. Blacker, Woodinville, Wash.
John P. Bledsoe, Portland.
Betty Coulter Boyd, Irvine, Calif.
Henry M. Brazil, Portland.
Rae S. Brock, Canandaigua, N.Y.
Catherine O. Brown, Richmond, Calif.
Gloria M. Buce, Shoreline, Wash.
Donald Buffington, Gold Beach. *Theta Chi*
Frederick J. Burgess, '50, Wilsonville. He joined the civil engineering department in 1953 and held many positions at OSU including acting dean for engineering research 1962-1966, head of Civil Engineering 1966-1970 and dean of the College of Engineering from 1970 until his retirement in 1990. He was influential in the selection of OSU as the home of the EPA water quality lab; the sea grant program; the OSU Marine Science Center at Newport; the Environmental Health Science program; the Ocean Engineering program; and the wave research laboratory. Contributions may be directed to the OSU Foundation, Fredrick Joseph Burgess Scholarship Fund, 800-354-7281. *Alpha Sigma Phi*

OSU grads' recipe for successful Portland cooking school includes friendship



Beaver alumnae Melinda Casady, left, and Susana Holloway relax outside their kitchen-classroom near the Widmer Brewery on the east bank of the Willamette River in Portland.

PHOTO BY JARED LEEDS

Two OSU alumnae in Portland have created for themselves a pretty sweet gig by focusing on what they like most and do best.

Every day at work, Susana Holloway, '03, and Melinda Casady, '96, pool their collective experience in cooking, teaching, sociology and nutrition to teach others how to cook well.

"So far I still love it!" Casady said in their roomy kitchen-classroom on the east bank of Portland's Willamette River, near Widmer Brewery.

Both had taught professionally at Portland culinary schools and found that

there was a hunger — and a good market — for their knowledge and approach to teaching.

They met while teaching at Western Culinary Institute. Later, Casady became an instructor at Oregon Culinary Institute and Holloway worked for the OSU Extension nutrition program in Portland, visiting classrooms to teach cooking and nutrition.

"I was doing public classes on the weekends and realized it was the best part of my job," Casady said. "It was extra — I was doing it on the side for the institute — but I had never had a bad weekend class. I really love teaching the public."

"That's what has helped people to see the difference in our classes," Holloway said. "Because we've taught professionally for so many years, it is a natural thing for us. Like with any discipline ... if you can't get that information out of your head and into somebody else's in a fun way, it's useless."

After her initial culinary training and work as a chef, Holloway realized she wanted more education.

"I wanted to learn more about nutrients," Holloway said. "All the food I was able to cook, I didn't know what it did or how it helped people; how it could potentially harm people with eating too much of one food and not enough of the other. That's why I decided to get my degree in nutrition. I started at Portland Community College and transferred to OSU."

"I started out in marine biology," Casady said. "But I just loved sociology and took all the classes that this one professor offered, (Bob) McDermott. He was an old school hippie, cutting all his ties off. So I ended up with a degree in sociology and minor in marine biology."

"I always did really good in the labs," she realized. "That should have been a hint that I was a cook."

Combining their skills, the two opened Portland's Culinary Workshop (PCW) in early 2011.

They implement the hands-on model of learning to cook — really cooking — not just watching. Students feel the dough, bone the chicken, caramelize the onions.

"We constantly talk about nutrients in class," Holloway said. "I can't help myself."

"We do a lot of classes here at PCW that are for people with potential dietary needs, such as diabetic classes. Being able to put together the cooking and nutrition is a natural for me and it's awesome. It's been great to be able to meld both of my degrees together."

Classes are filled with students ranging from beginners to professionals and they enjoy the challenge of sending each person home with new or enhanced knowledge.

In a class they have scheduled in February exclusively for OSU alumni, Casady and Holloway plan on highlighting Oregon products and cooking techniques for Beavers of all skill levels. Sign up at www.portlandsculinaryworkshop.com.

A pretty sweet gig indeed.

— By Ann Kinkley

Learn more about the alumnae-run cooking school in Portland at www.portlandsculinaryworkshop.com.

POP QUIZ ANSWERS

1. TUBERCULOSIS; IN *LA TRAVIATA* BY VERDI, WHICH PREMIERED IN 1851.
2. TRUE. GROUND BASS IS ALSO CALLED BASSO OSTINATO (IN ITALIAN: "OBSTINATE BASS"). IT IS A SHORT, RECURRING MELODIC PATTERN IN THE BASS PART OF A COMPOSITION THAT SERVES AS THE PRINCIPAL STRUCTURAL ELEMENT. A CANON IS BASED ON THE PRINCIPLE OF STRICT IMITATION, IN WHICH AN INITIAL MELODY IS IMITATED AT A SPECIFIED TIME INTERVAL BY ONE OR MORE PARTS. THE ROUND "THREE BLIND MICE" IS A CANON AT THE UNISON.
3. SARASTRO HAS THE LOWEST VOICE (BASS) IN *MAGIC FLUTE*, AND QUEEN OF THE NIGHT HAS THE HIGHEST (COLORATURA SOPRANO).
4. FALSE. BEETHOVEN'S DEAFNESS BEGAN IN HIS LATE 20S; BY THE AGE OF 32 HE HAD REALIZED THAT THE CONDITION WOULD BE PERMANENT, BUT CONTINUED TO COMPOSE MANY SIGNIFICANT AND GROUND-BREAKING WORKS UNTIL HIS DEATH AT AGE 57.
5. J. S. BACH HAD TWO WIVES AND 20 CHILDREN; SEVEN BY HIS FIRST WIFE, MARIA BARBARA, AND 13 BY HIS SECOND, ANNA MAGDALENA. ONLY 10 SURVIVED TO ADULTHOOD, AND THREE SONS BECAME FAMOUS COMPOSERS IN THEIR OWN RIGHT.



▲ Members and friends of the Class of 1960 join OSU President Edward Ray in celebrating the Oct. 8 groundbreaking for a new campus entryway beautification project at the intersection of 26th Street and Western Boulevard. The class has already reached its \$100,000 goal for the work, which will be the largest class gift ever at OSU, and is looking for more class members and others to contribute. To help, visit osufoundation.org, click the "make a gift" button and direct your gift to "1960 Gateway Project." PHOTO BY DENNIS WOLVERTON

Louise D. Burt, Portland. She provided day care for the children of international students and wrote a history of the College of Oceanography. Memorials may be made to the Wayne V. Burt Scholarship Fund at 800-354-7281.

Helen Cahill, McMinnville.

Donald D. Callarman, Santa Fe, N.M.

Berkley W. Chappell, Corvallis. He was a professor emeritus of art.

Robert R. Chase, Kirkland, Wash.

Carolyn L. Corum, Silver Lake.

Priscilla Horning Crabtree, '56, '66, Philomath.

She taught in the Department of Home Management from 1966 to 1980. *Alpha Xi Delta*

Dick Dailey, Sublimity.

Jack Damuth, Lakeview.

Prudence Edwards Denney, Portland.

R. "Dwight" Eckel, Hornbrook, Calif.

Grace Erickson, McMinnville.

Louella F. Federico, Springfield.

Edward H. Fish, Issaquah, Wash.

Giusto Fonda-Bonardi, Santa Monica, Calif.

Alan R. Fraser, Long Beach, Calif. *Phi Kappa Tau*

Ralph T. Gage, Portland.

Darlene Gangestad, Corvallis.

Julie O'Brien Gardner, San Diego, Calif. *Alpha Omicron Pi*

Ruth Garlow, Silver Spring, Md.

Glen G. Gibbons, Milton Freewater.

Frederick P. Glazier, Thornton, Pa.

Mary Kay Gleicher, Corvallis. She taught chemistry at OSU.

LaVonne M. Griffin, Culver.

Eudene L. Guthrie, Canby.

Harold Hall, Bonanza.

Carol S. Hampton, Portland.

Beverly Franklin Harvey, Spokane, Wash.

Ray A. Hearn, Eagle Creek.

Dick Hensley, Temecula, Calif.

Peggyann Hutchinson, Medford.

Jim Izett, Springfield.

Wah "Wally" Jay, Alameda, Calif.

Rodney S. Johnson, Powell Butte. *Sigma Alpha Epsilon*

Helen M. Johnson, Fort Worth, Texas.

Aloha Jones, Milwaukie.

Leah S. Kaplan, Mahwah, N.J.

Helen P. Kelman, Saint Petersburg, Fla.

Bernard O. Klein, Boca Raton, Fla.

Shirley Hamilton Kosko, Bellingham, Wash. *Alpha Chi Omega*

Howard L. Laney, Canby.

Helen B. Leinberger, Lancaster, Pa.

Bert A. Lewis, Chicago, Ill.

Dorothy Grutze Livingston, Bend. *Alpha Chi Omega*

Charles R. Lutz, Seattle, Wash.

Doris Glasser MacLean, Corvallis. She taught French from 1961 to 1990.

Barbara Matesich Madore, Corte Madera, Calif.

Don B. Martin, Corvallis. He was an associate professor of physical education from 1966 to 1983.

George R. Martin, Corvallis. He was a professor of accounting from 1967 to 1990.

Bessie L. Meleneck, Reisterstown, Md.

Allan M. Metcalf, Gresham.

Barbara A. Mitchell, Auburn, Wash.

William R. Mayfield, Redmond. *Lambda Chi Alpha*

Theodore O. Mohr, Eugene. *Theta Chi*

Ze'ev B. Orzech, Corvallis. He taught in the Economics Department for 32 years and served as advisor to Hillel, the Jewish student group on campus. He and his wife, **Mimi Orzech**, '69, '74, were among the founding members of Beit Am, the Jewish community of the mid-Willamette Valley. He served many years as chairman of Chamber Music Corvallis and helped found the Barn Theater, a precursor to the Corvallis Community Theater.

Irvin Parkhurst, Roseburg.

Roger G. Petersen, Corvallis. He was a professor of statistics and agricultural experiment station statistician. He also taught

in the Department of Crop and Soil Science, spent several terms on the faculty senate and was chairman of the board of recreational sports for 10 years. He retired in 1990 after 40 years of service. Memorial contributions can be made to the College of Agriculture, 800-354-7281.

Clinton Pierson, Albany.

Marian F. Rawson, Mount Vernon, Wash.

Alice M. Richards, Redwood City, Calif.

Mervyn H. Richardson, Bainbridge Island, Wash.

Elizabeth Montgomery Robbins, Lakewood, Wash. *Kappa Alpha Theta*

Linda Roberts, Damascus.

Betsi Rowles, Warrenton.

L. Monte Rumgay, Oregon City.

Donald A. Ruston, Newport Beach, Calif.

Elton S. Saunders, Redmond. *Delta Chi*

Loren Sawyer, Ashland.

Frances Schultz, Corvallis.

John Shalikhavili, Steilacoom, Wash.

Lloyd P. Sheldon, Sweet Home.

Everett Simpson, Portland.

Josephine H. Simpson, Portland.

Bee Smith, Oregon City.

Fred Sohn, Roseburg.

Howard G. Spencer, Irvington, Va.

Lee C. Stidd, West Linn.

Dede Brophy McLaughlin Sullivan, Portland. *Kappa Alpha Theta*

Edward J. Van Metre, Flagstaff, Ariz.

Jim Vickers, Newport.

Marion J. Vroman, Medford.

Claire Fralick Walter, Sonora, Calif.

Eleanor Oium Ward, Redmond, Wash.

Marvin Weber, Carmichael, Calif.

George D. Wieman, Sun Valley, Idaho.

Kappa Delta Rho

Steven Worcester, Enumclaw, Wash.

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JUNE 7-9, 2012



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"Benny the Beaver" appeared as a costumed student.



Oregon State played in its second Rose Bowl in school history.



Linus Pauling, '22, awarded Nobel Peace Prize

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Compounding pharmacy legacy handed from founders to next OSU generation



Kate James, left, shares a moment with Heather Wilson, a founder of the Broadway Apothecary, a Eugene compounding pharmacy James bought and expanded. PHOTO BY AMANDA SMITH

Kate Ross James' clients include police dogs and hospice patients, toddlers and calico cats, marathon runners and menopausal women. Their health issues range from overactive thyroid (common among aging house cats) and excessive grooming (prevalent in stressed-out dogs) to hormone replacement therapy, chemo-induced nausea, hemorrhoids, muscle aches, foot fungi and end-of-life pain. Her toolkit for tackling this health-care mélange includes ginger-flavored lollipops, triple-fish mixtures, rocket-shaped suppositories and lots of custom-blended lotions and gels.

Welcome to the world of compounding pharmacies.

"It's all about creating an elegant pharmaceutical solution for each individual — matching the med to the patient," explains James, '01, owner of Broadway Apothecary in Eugene. "It spans the species."

As one of a handful of compounding-only pharmacies in Oregon — and the first in the state to be accredited by the Pharmacy Compounding Accreditation Board — Broadway Apothecary represents a tiny niche among U.S. pharmacies. But demand is growing for compounding, a service that gives people and pets personalized options in a market dominated by mass-produced medicines.

"Pharmacy is getting back to its roots," says James, who bought the pharmacy in 2006 from its founders, Heather Wilson, '65, and Sheri Cannell, '79. "In a lot of ways, medicine is coming around full-circle, from the individual to the mass market to the individual again."

Indeed, the mortar and pestle, that familiar workhorse of yesteryear's apothecary, remains vital equipment in today's compounding. The stone tool is used to crush raw chemicals that

are purchased in bulk from around the world. After those chemicals have passed inspection by the U.S. Food and Drug Administration, James and her colleagues blend them with other ingredients in custom formulas for patients whose needs fall outside big pharmaceutical companies' product lines.

But the classic grinding tool most likely would be just about the only thing a druggist from the 1950s would recognize in James' pharmacy. The vibrant wall colors, enfolding customers in rich tones of ochre, rust and avocado, contrast starkly with the antiseptic whites of traditional drugstores. The feeling of warmth and comfort harkens back to what James calls "cottage-style" apothecaries, when druggists worked out of their front parlors or, as was the case with the forerunners of the Broadway Apothecary, out of the back of a Eugene dress shop and an old dentist's office with wooden floors.

The flip side of the apothecary's art is the researcher's science. The advanced chemistry and biology that inform 21st-century pharmaceuticals is visible near the rear of James' store where several masked-and-gloved technicians work inside a sterile space of glittering glass and stainless steel, mixing the individualized remedies patients are unable to get elsewhere.

Under the bell curve of medical needs, it's the edges where compounding exists. James' business is roughly one-third hormone replacement, one-third veterinary medicine and one-third pain management plus a mishmash of "oddball things." What ties them all together is tailoring for the patient. Often, that means an alternative delivery system — that is, a novel means of administering the drug. For kids, bubblegum lollipops go down better than pills. For people allergic to dyes or fillers, gels work better



than tablets. For hemorrhoid sufferers, rectal rockets (designed to stay in place overnight) are more effective than regular suppositories. For patients struggling to swallow, a tiny pill tucked under the tongue gives fast relief. For a runner nursing an aching knee, a pain-killing lotion rubbed on the joint gets directly to the problem, bypassing the possible side effects of drugs taken orally.

"Often times," James notes, "there is nothing commercially available when it comes to your specific needs."

To illustrate, she tells the recent story of a 40-year-old Eugene woman who was dying of cervical cancer. High doses of painkillers weren't touching her suffering. The pain had become so excruciating that she wanted to end her life using the provisions of Oregon's Death With Dignity law. But when the hospice staff contacted James to request a lethal compound, she began asking questions, delving into the underlying problem — uncontrolled pain. What James ended up preparing was not a fatal dose of barbiturates but a cool gel of lidocaine and morphine that could be applied directly to the cervix, the source of the pain. It worked so well, the woman abandoned assisted suicide, instead dying of the disease a couple of weeks later.

"It basically changed the end of her life," James says. "She was able to communicate with her family and say goodbye. It's one of my best examples of successful problem solving."

The melding of the personal with the technical, the art with the science, is what drew James to compounding as a student in the College of Pharmacy. "It pulls together my whole personality and all my passions — problem-solving, research, working with patients, working with doctors," she explains. "It's the perfect mix."

Now a preceptor (professional mentor) to fledgling pharmacists, she often speaks to classrooms full of OSU students, engaging her audience with humor ("I like to start with suppositories — who doesn't?" she quips) and with heart ("You have to stop and think about the patient as a person.")

Telling them that "compounding requires heavy research" to stay abreast of the ever-growing knowledge base, James explains that she dutifully mines PubMed — the National Institutes of Health database of biomedical research — and reads compounding journals. She attends conferences around the globe. And through a professional listserv, she confers with compounders worldwide.

Within the international compounding network, she is an expert on trans-dermal delivery systems — that is, methods of administering medicines that can be absorbed by the skin. One of the most exciting trends, she says, is a technology called iontophoresis, which uses a small electronic charge to deliver the medicine. "It's like a needleless injection," she explains.

James also lobbies Congress with a program called "Compounders on Capitol Hill." Along with colleagues from around the nation, she calls attention to the ways compounding can benefit constituents. One big push of the International Academy of Compounding Pharmacists, in which James is active, is to allow reimbursement for compounding under Medicare and Medicaid. "We have to keep voicing for our patients," she says.

On these lobbying trips, she likes to leave behind tokens of the trade.

"Last year, we took rectal rockets to Washington, D.C.," she says. "When I went back this year, one congressman still had one sitting on his desk."

— By Lee Sherman



From left, Heather Wilson, Kate James and Sheri Cannell worked closely together to ensure great patient care as James carried on what the two other women started.

PHOTO BY AMANDA SMITH

Carrying the tradition

Heather Wilson, '65, had had a quarter-century working at UO's student health service pharmacy when she veered in a new direction.

It was the late-1990s, and this daughter of long-time OSU College of Pharmacy Dean Charles O. Wilson (1959-1970) was restless. So she got some training in compounding and some space behind an old dentist's office, and began preparing progesterone crèmes to relieve hot flashes and sleep troubles for menopausal women.

"Starting a business was kind of like having another baby," she says. "Twelve-hour days and scarier than heck." Meanwhile, across town, fellow OSU pharmacist Sheri Cannell, '79, started her own compounding enterprise in the back of a clothing boutique. A year later the two friends joined forces and leased space next to Eugene's iconic candy company, Euphoria Chocolates.

"Everyone who wants hormones also wants chocolates," Wilson observes with a wry lift of the brow.

Broadway Apothecary was launched, and found a niche right away. One day, a young woman came in crying and trembling, distraught with the after-effects of a hysterectomy. "She felt abandoned by her doctor," Wilson recalls. The pharmacists developed a hormone-replacement formula of progesterone, Estradiol and testosterone for the patient. Several weeks later, she came to tell them, "You've given me my life back."

By all accounts, the partners were a bit of an odd couple. "I was the detail person, she was the dreamer," Wilson says. "She drove a VW van with tie-dye curtains that couldn't go faster than 50 miles per hour. It was a hazard on the highway."

But they shared an unshakable work ethic and a laser-like focus on quality patient care. "We trusted each other like sisters," Wilson says. After selling the pharmacy to James, both founders stayed on through several years of transition to the new owner and bigger space. Wilson retired this summer; Cannell remains a fixture in her white lab coat.

YOUR LEGACY. YOUR UNIVERSITY.

OSU: Part of the family

Oregon State University set Mark Mills '85 in the right direction. A great education. Personal growth. Longstanding friends and business connections.

The Mills Family: Mark, Jennifer, Zane, and Chloe

Today, Mark works with his former college roommate at The Partners Group, an employee benefits consulting company. And he's pleased that OSU remains a part of his family life, including regular trips to campus for football and baseball games. As a way to give back, the Mills decided to name the university as a beneficiary of a life insurance policy. "For us," Mark says, "it's a way to make a difference for OSU in a more significant way."



Make a difference for future generations. Contact us to learn more about including OSU in your estate plans.

If OSU is already in your plans, please let us know at campaignforosu.org/legacy.

Julie Irmer

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