

OREGON STARTER

WINTER
2017



**OSU-CASCADES
MAKES HISTORY**





12,000 Legos and 200 hours equal 1 MU

When little Anna Merrell started playing with Legos in 2015 and reawakened her father's interest in the classic building blocks, who could have known it would come to the point where the now-4-year-old could walk her little fingers up the iconic front staircase of a 6-foot-long model of OSU's landmark Memorial Union?

Gabriel Merrell, the university's associate director of diversity, community engagement and accessibility, started the project in 2015. With Anna's help, the highly detailed replica was ready to display in the MU's service office this summer.

Merrell scoured online resellers, garage sales and used toy stores for his construction materials, which included only stock Legos. He said that when the time comes to disassemble his model MU, he might move on to what he considers to be the prettiest building on campus, the Women's Building. (Photo by Hannah O'Leary)

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FIRST IN 50 YEARS

On a fine September day, OSU-Cascades opened its new campus in Bend, culminating 30 years of work and experimentation. (Photos by Hannah O'Leary)



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On the cover: Many Beavers were exuberant at the opening of OSU-Cascades, the state's first new university campus in half a century. (Photo by Hannah O'Leary)

ON THE WEB

- Oregon State University: oregonstate.edu
- OSU Foundation: osufoundation.org
- OSU Athletics: osubeavers.com
- OSU Alumni Association: osualum.com
- Oregon Stater: osualum.com/stater
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FACEBOOK

- Oregon State: facebook.com/osubeavers
- OSU-Cascades: facebook.com/osucascades
- OSU Athletics: facebook.com/beaverathletics
- OSUAA: facebook.com/oregonstatealum

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HOMECOMING 2016

A carnival on the Memorial Union Quad and the Student Experience Center Plaza helped mark Homecoming.



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GREAT EXPECTATIONS

Tournament appearances have the Beaver men and women aiming high as the season begins.



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A firm opinion about open minds

My oldest daughter was a freshman at OSU. It was a presidential election year, and even on the phone I instantly knew she was about as angry as she could get.

Vastly more politically savvy than I was at her age, and always a better student than I was, she was calling from the Memorial Union Quad, where she was registering voters with other students who supported Barack Obama, that senator from Chicago who wanted to be president.

Student Republicans had arrived to set up a table nearby to do the same thing, only for the other side, and they offered free chances to win a hunting rifle.

They didn't have a gun with them, and you didn't have to register to get a ticket for the raffle. I told her that as far as I knew, as long as they didn't offer raffle tickets as conditional inducements to take an action, it was OK.

"I can't believe that," she said.

"Welcome to the United States," I answered.

As her education progressed, her political beliefs became stronger and better-supported by logic. She was challenged in classes by equally passionate and intelligent students who presented beliefs that were opposite hers.

This was especially true in some of the intimate colloquia in the Honors College. There, classroom debates were laced with passion but also with plenty of facts. Pettiness or personal insults were for losers.

Now, as she pursues a master's in public policy in a top graduate program, she remains quite opinionated and she knows better than ever how to make the best case for her opinions. If need be she can usually support her positions with complex spreadsheets. (I taught her to balance her budget with Excel when she was a freshman, unleashing a monster.)

But she also knows the difference between core beliefs and opinions, and she knows how to incorporate new information that might change an opinion and maybe even challenge her (or your) core beliefs.

As a little girl, she was one of those kids who memorized and repeatedly sang all the songs in the latest Disney movie, so I wasn't surprised in fall 2015 when she was among the millions of theater fans who fell in love with the soundtrack to the Broadway musical "Hamilton." Much of the play depicts the Founding Fathers in serious, sometimes deadly discussions about how this nation would be launched and shaped.

She quickly learned the whole thing by heart. I loved sharing in her excitement — via texts and phone calls — as she explored the lyrics more deeply. But when she asked me to buy and listen to the soundtrack, I inwardly groaned. Didn't she know I hated musicals?

Eventually I caved and downloaded it. The next day — more out of a sense of parental duty than anything else — I began listening to it on my 40-mile commute to Corvallis. Within about 20 miles I had to pull over at a boat landing because tears blurred my vision. There I sat in the car, dabbing my eyes with a shirtsleeve and hoping no one would stop to see if I was OK.

Open mind, Dad, open mind.

I'm writing this in the week before this year's presidential election, and I'm struck by how often — when forced to confront our differences — our instinct seems to be to lob a verbal grenade and then cover our ears so nothing new gets in to challenge us.

I relearned how important it is not to do that while watching my daughter at OSU. 🍌

— Kevin Miller '78, editor

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Nice article, but ...

I was happy to see 4-H covered in the article about Ms. Rodriguez and my colleague Mario Magaña in the fall issue. However, I did note that the name of the facility was not accurate. Mario's camps are held at the Oregon 4-H Center in Salem — not the Oregon Forestry Center. I have been a proud employee here for 31 years, from the days when good technology was a Selectric typewriter! The 4-H Center is operated by Oregon State University for 4-H and the people of Oregon.

This summer there were seven weeks of 4-H Summer Camp, including two 4-H International Camp weeks. Campers come with their county camping groups from Linn, Lane, Benton, Lincoln, Tillamook, Yamhill, Marion, Polk, Clackamas and Multnomah counties. My two camp skills instructors taught 80 classes in seven weeks of resident camp. The classes included Pond Exploration, Reptiles and Amphibians/Turn into a Frog, Micro Mysteries, Carnivore Crossroads, Insect ID, A Mammoth Mystery, Tree ID, Beavers, Metamorphosis, Owl Pellets and Maps and Compass. Recreational activities include time in a gym named for a donor, John Gray, who was also featured in the fall 2016 issue. We have a swimming pool, canoe and fishing pond, giant adventure swing and, new this summer, log rolling! Yet summer camp is not all the Oregon 4-H Center does!

In the fall and spring we host students and staff of the Northwest Regional Education Service District's outdoor school program. There are also many workshops and meetings with both 4-H and other organizations making good use of the meeting rooms, meal service and cottage lodgings. There are even some weddings and family reunions. You can check out all the possibilities on our website: oregon4hcenter.org.

Virginia Disney Bourdeau '80
Salem

Troubled by wolf letter

I was disappointed to read Mr. Carnahan's letter in the fall issue of the *Oregon Stater* in which he wrote: "Shoot the wolves... and as many cougars as possible. Wolves were a problem that was solved by extermination ..."

There is a major problem with livestock production in the high mountain west, but it's not related to wolves and cougars. It's the perpetual subsidizing of

livestock operators by federal and state agencies. Subsidies include cheap water to irrigate forage crops in near-desert environments, grazing fees on federal land substantially lower than fair market rates, and predator extermination programs. Without these subsidies, few ranchers could make a living raising beef on these droughty lands. These subsidies have encouraged livestock owners to remain on the range even though these fragile semiarid lands cannot and should not sustain perennial livestock presence. The result? Damaged plant communities throughout vast western lands, degraded surface waters, reduced groundwater tables, increased rainfall runoff rates which gully streams, extirpated fish and wildlife species, introduced noxious weeds and unhealthy ecosystems due to fire suppression.

Instead of being exasperated at people upset about killing wildlife native to these regions to appease cattle operators, perhaps Mr. Carnahan should thank taxpayers who have spent hundreds of millions of dollars for over a century in support of cattle ranchers on semi-arid western lands. They are relatively few in number and provide only a minor contribution to the U.S. beef industry.

Josh Kahan '91
Seattle

Not a wolf supporter

I totally agree with Jim Carnahan '74 in his letter from Baker City in the fall *Oregon Stater*. I am a retired licensed engineer who also has logical, thoughtful, methodical and practical reason. These so-called environmentalists and endangered species nuts are killing our economy. They make ranching, real estate development, mining and oil pipeline construction unprofitable.

My beloved Oregon State College in the class of 1950 taught us not to bite the hand of enterprise that feeds us. They gave us tools to make the world a better place for PEOPLE. Our "university" needs to return to these values.

David MacCollum '50
Sierra Vista, California

More on wolves

Lost in the argument over wolves and other top predators is the fact that we are talking about wolves on public land. Many ranchers make use of public lands. But too many ranchers think that because they have a (dirt cheap) deal

to have livestock graze on public lands, somehow that lease gives them ownership of the land and all on it.

But public land is owned by the public, not by the ranchers who graze animals on it. Public land includes the creatures on it and the owners of that land may decide what creatures get to live there. In the case of federal land, the owners are effectively all of us. So the question is not up to any rancher, or even all the ranchers in Eastern Oregon.

If the rest of us decide that we like wolves on our public lands, then that is the way it should be. And no, you don't get to ship them to Multnomah County once they arrive.

Richard Poeton '80
Bennington, Vermont

Seek energy freedom

In a letter in the fall *Oregon Stater*, the question was posed regarding OSU divestiture from fossil fuel — "Where would we be without fossil fuels?" — citing plastics, fuel, roads, jobs and taxes the fossil fuel industry provides. Answer: Far better off, economically, security (personal and national) and environmentally without fossil fuel, by a long shot! Sending soldiers to get maimed or die to secure a pipeline route through Afghanistan or prevent Saddam or Gaddafi from avoiding bankster currency exchange fees (by selling oil in non-US currencies), is unacceptable. Gas and oil pipelines and coal trains crisscrossing the nation endangering crops, people, water sources and the environment, are unnecessary. Same for nuclear: also a grave terrorist threat.

Energy independence isn't depending on big energy companies that export our reserves. It's energy you can produce yourself. Henry Ford stated the perfect automotive fuel is ethanol. Forget the pseudo-studies (paid for by oil industry). The facts are that Brazil has achieved six to eight times energy output over input, including manufacturing the tractors used in growing their ethanol crops. Prime cropland is not necessary to produce all of our energy needs via ethanol. The majority of corn grown is cattle feed. There are better feed and ethanol crops not needing your tax subsidies.

Plastics are a minor use compared to fuels. However, widely used polyethylene is derived from ethanol. Ethanol is carbon neutral, consuming CO2 while growing

the next crop. It burns cleaner than gasoline and diesel, can replace both and is far safer, being diluted by water. Ethanol fuel economy would be similar if engines were modified for it. There is less waste heat.

Ethanol can be distilled locally using many local feedstock sources, providing jobs and recycling dollars many times within a community.

If ethanol is so great, why aren't we using it? It's up to you, not your oil lobby funded congressperson. Electric cars? Electric homes? Produce electricity with natural solar energy ethanol. Do I have any vested interest in ethanol? No; I'm just waiting for people to wake up. Stop funding the terrorists (economic, pollution and foreign). See alcoholcanbeagas.com.

Vance Fraser '81
Clatskanie

Kudos for design

The new format for the magazine is a great improvement. Thank you.

John Richardson '49
Marshfield, Massachusetts

Call to Class of '67

While it seems hard to believe that 50 years have passed since we were all together at Oregon State University, the

calendar says it is time to celebrate and reminisce about how much OSU meant to all of us personally and professionally. Join us in celebrating our accomplishments and our experiences at the Golden Jubilee Reunion on June 8 and 9, 2017, at the CH2M HILL Alumni Center. The reunion advisory committee has begun preparations for the event and is finalizing details with activities including a wine tour and dinner Thursday night. Friday will include activities such as classes on popular topics, visits with current students, and tours of classrooms and of some of the new and older buildings on campus. We will also have a special visit and talk by OSU President Ed Ray.

The reunion advisory committee has determined that our class gift to the university will be an endowed scholarship fund for deserving OSU students to complete their degree studies.

If you have ideas on what you would like to see and do for the 50th reunion, please contact Betty Hutchinson Flad (bettyflad@gmail.com) or Kate Sanders at the alumni association (kate.sanders@oregonstate.edu).

Remember: 50-year reunions are a once-in-a-lifetime experience. We hope you'll join your former classmates and

friends for a walk down memory lane on June 8-9, 2017.

Book your hotel room now and check the save-the-date postcard you received this fall. Additional information and details will come in spring 2017. Stay informed by visiting osualum.com/reunions.

Betty Hutchinson Flad '67, Portland,
and 11 members of the Class of '67
Reunion Advisory Committee

Send us letters

We love letters. We might edit them for clarity, brevity or factual accuracy. Send them to stater@oregonstate.edu or Letters to the Editor, *Oregon Stater*, OSUAA, 204 CH2M HILL Alumni Center, Corvallis, OR 97331-6303.

Corrections

Summer camps held by OSU-sponsored 4-H programs are based at the Oregon 4-H Center in Salem. The location of the camps was incorrectly reported in the fall issue of the *Oregon Stater*.

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



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As part of an ongoing effort to get alumni and other friends to help share the OSU story, Steve Clark '75, vice president for university relations and marketing, joins the *Oregon Stater* in presenting another batch of talking points for not-so-bashful Beavers.

Spread the word

LEADING THE NATION IN SEISMIC SAFETY

Oregon State University will be a national pioneer in constructing a seismic and tsunami-resistant building at Newport. The \$50 million structure is part of OSU's all-hands-on-deck, university-wide, marine studies initiative. OSU has committed that this building will exceed new tsunami zone standards announced recently by the American Society of Civil Engineers. The standards were based in part on work done at OSU's Hinsdale Wave Research Laboratory. See story, page 17.



NO. 1? OREGON STATE, OF COURSE

Ecampus — Oregon State's distance learning, online education program — is ranked first in the nation for its quality and affordability. The ranking came from an analysis of 50 universities' on-line programs by *ValueColleges.com*. See story, page 9.



'SPARK' YOUR INTEREST

OSU is celebrating the relationship between the arts and science with a series of events and activities called SPARK. This program showcases where arts and science critically intersect. Events will be held in Corvallis and statewide. For more details, visit the celebration's website: spark.oregonstate.edu/about.



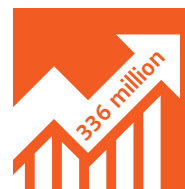
MORE BEAVERS — MORE IMPACT

There are more Beavers among us thanks to OSU's largest-ever graduating class last June of 6,406 students. The new Beaver graduates came from all 36 Oregon counties, all 50 states and 63 nations. The average age of the class was 25. The oldest graduate was 73 and the youngest was 19. Since 1868, Oregon State has graduated 236,296 students.



RESEARCH DISCOVERY ABOUNDS

OSU research funding for 2016 totaled a record \$336 million — a 9 percent one-year increase and more than a 60 percent increase over the past decade. OSU yearly accounts for more research funding than all of Oregon's other comprehensive public universities combined. OSU faculty are advancing medical treatments; addressing climate change; providing clean water globally; and working to renew rural economies and wellness.



LEARNING TO 'CONTROL' CANCER

Groundbreaking work by OSU pharmacists aims to improve the effectiveness of cancer treatment. The approach uses significantly lower, but more frequent, doses of chemotherapeutic drugs. The goal is to not only target existing cancer cells, but also provide a hostile biological environment for resurgent cancer cell growth, and avoid the chance that cancer cells will become resistant to the chemo being used. For more, see bit.ly/control_cancer.



Ecampus ranked best in U.S.

OSU's distance education program has been named the nation's best value for online study by *ValueColleges.com*, an organization that provides in-depth analysis and rankings on affordability and quality in higher education.

Oregon State Ecampus ranks first on a list of the "Top 50 Best Value Online Colleges for 2017" (bit.ly/ecampus2017value). The rankings assess online bachelor's programs based on tuition costs, reputation and return on investment using data from the website *Payscale.com*.

In its evaluation, the organization noted that Ecampus delivers the most online undergraduate major and minor programs in Oregon, and that OSU is a leader in STEM research and boasts the Carnegie Foundation's highest research activity classification.

"This ranking speaks to our mission to provide learners with access to a high-quality Oregon State education," said Ecampus Executive Director Lisa L. Templeton '08.

"The value comes in the form of highly engaging programs that give our students opportunities for career advancement."

All Ecampus students pay the same tuition rate no matter where they live. Ecampus serves adult learners in all 50 states and more than 40 countries by delivering 21 undergraduate degrees and 27 graduate programs online.

During the 2015-16 academic year, more than 19,000 OSU students took at least one Ecampus class.

Oregon State has developed a reputation as a leader in online education, having been ranked in the top 10 by *U.S. News & World Report* each of the past two years.

In 2014, Ecampus won the Online Learning Consortium's Award for Excellence in Faculty Development for Online Teaching — one of the industry's most prestigious awards. 🍌

Enrollment tops record, passes 31,000; most growth is away from main campus

OSU's overall 2016 fall term enrollment hit 31,303, growing 2.8 percent over last year's all-time record, with near-stable enrollment in Corvallis and a large jump in online learning. OSU-Cascades in Bend also saw an increase.

University officials are intentionally slowing enrollment growth on the main campus, where there are 24,672 students, an increase of only .08 percent, or 206 students, from fall 2015. Meanwhile, OSU enrolled 5,682 students in Ecampus this term, an increase of 573 or 11.2 percent over last year. (This includes students who only take classes via Ecampus.) At OSU-Cascades, which this fall opened its new four-year campus, 1,122 students are enrolled — a 14.8 percent increase over last year.

The university is seeing continued growth in enrollment of U.S. minority students on the main campus, up 6.7 percent from 6,754 students in 2015 to 7,204 this fall.

Overall, OSU enrolled 6,181 undergraduates who are first-generation college students — up 1.3 percent over 2015.

International student enrollment on the main campus also grew this fall, but by a slower rate than in the past. OSU enrolled 3,529 international students in Corvallis — up 6.0 percent over 2015.

More students study engineering than any other discipline at OSU's main campus — the College of Engineering has 8,724 undergraduate and graduate students enrolled. Combined graduate and undergraduate enrollment in the other colleges and academic units is as follows:

Liberal Arts	4,178
Science	3,503
Business	3,726
Public Health and	
Human Sciences	3,009
Agricultural Sciences	2,580
Forestry	1,093
Exploratory Studies	1,081
Graduate School	830
Earth, Ocean, &	
Atmospheric Sciences	739
Pharmacy	370
Education	300
Veterinary Medicine	221

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Asking the questions:

What does President Ray want to know?

Usually for “Ed Said” we come up to your office and ask questions and then print your answers. People seem to expect people in positions like yours to have all the answers.

(OSU President Ed Ray rolls his eyes and laughs.) “Or at least be asking the right questions,” he says.

Which brings us to the point today. Let’s turn it around and have you ask questions. When you wake up and get ready for what’s ahead, what are some of the biggest continuing questions on your mind?

“One of them — I talk about this all the time, so it’s no surprise — is whether or not we can close achievement gaps and raise retention rates and graduation rates for all of our students. We’re in the University Innovation Alliance (a nationwide coalition of 11 public research universities committed to discovering and sharing ways to make college degrees accessible to a diverse body of students) because we believe we benefit from having colleagues who are wrestling with the same sorts of issues.

“I think it took us too long to create the position of vice provost and dean for undergraduate studies, a person who is always on point on these matters, and is working on what the academy needs to look like for students to have their best chance at success. But now we’re very fortunate to have Susana Rivera-Mills in this position. I don’t know that you could imagine somebody you would like better in a position like that. She’s very passionate, very committed, very bright.

“We want 90 percent retention of first-year students and a 70 percent six-year graduation rate, and we want to do it by 2020. I don’t know if we’ll get there by 2020. But we’ll get a heck of a lot closer than we would if we didn’t set a goal, if we just said, ‘Ohhh, we just want to do better.’ That doesn’t inspire anyone to do anything.

“If President John Kennedy (who told Congress in 1961, “We choose to go to the Moon in this decade,” but was assassinated in 1963) had lived, he would have been delighted that we landed a man on the moon in 1969.

“But I don’t think he would have been depressed if it took us until 1971 to do it. I think it was gutsy of him to say we’d do it by the end of the decade, but what was non-negotiable about his promise was that we’d do it.

“This — closing the achievement gap and improving student success — is non-negotiable to me. I’m going to be paying a lot of attention.

“We need to ask the questions that are right for us, and then set targets and stay on task.

“That question, about student success — is one that’s there every day.”

So that’s at the top of your list. What else?

“Another one that’s a little less tangible, but still so important, is the fundamental question of our financial sustainability over time. Not whether we’re sustainable. We are. But are we sustainable as we see ourselves operating now?

“For example, we have this commitment to never go below two-thirds of our undergraduates being Oregon students. Is that financially sustainable? I honestly don’t know. But I want us to do our best to honor that commitment, even with the constraints we’re under and given that the state consistently falls short of giving us the resources we need to sustain that goal.”

To maybe oversimplify it — and I’ll grant that this is my oversimplification, not yours — if you were a corporate president, you would be asking whether your company could survive with only one-third of its customers — in this case the out-of-state students — paying enough to cover the costs of the services they receive.

“Yes, but we do have donor money, and grants for research that we can leverage to give undergraduates great experiential learning experiences, and so on. Every resource we bring in matters, but still — two-thirds Oregon undergraduates? We’re losing money, regularly, on it, and there’s no evidence that the state is going to close the gap.

“That’s a real problem and a real question for us, and we’re just going to have to keep tracking it year-to-year, and see if we can do it.”

How is this affected by our success with online learning?

“When I talk about this goal, I’m talking about having two-thirds of the undergraduates on the Corvallis campus be students from Oregon. The rest — mainly online and at OSU-Cascades in Bend — not so much, although I think we can expect OSU-Cascades to have no difficulty meeting that two-thirds goal on its campus for quite some time.

“When I refer to the two-thirds commitment, I’m talking about right here on this campus, in Corvallis, where it all began.”

Why should that be so important to us?

“Because we were created for Oregon. Are we providing quality education to the students we’re supposed to be providing it to, given our land grant mission? We think at least two-thirds of the undergraduates on this campus being from Oregon is evidence that we’re being true to that mission, and our Board of Trustees is right there with us on this.

“But suppose the state can’t get its act together on finances, and we in Oregon prove to be incapable of tax reform. If that happens, a lot of things aren’t going to get funded over the next decade.

"If it comes to that, we'll still face the question of whether we can sustain our commitment to undergraduates from Oregon. Will the math just not work? We'll do all we can, but that's a question that's less under our control, and one that's a little abstract."

What else?

"Here's a question that's a little more concrete, and something that's irritated me from day one. When I came here (in 2003, from The Ohio State University) I came from a place where athletics actually gave money back to the university. Well, there aren't a lot of Ohio State-type athletics programs out there. I expect that's true at no more than a dozen institutions. Pretty much every other university spends money on athletics, including all of the Division II and Division III schools, despite their claim that they don't give athletic scholarships. Maybe 20-40 percent of the students at those schools participate in intercollegiate sports and many of them are on scholarships that are not called athletic scholarships.

"I'm very concerned about us getting to a model where athletics is more self-sustaining. When I came here we had a transfer from the main budget of about \$4 million to athletics, and I started a process to wind that down, and we got it close to \$3 million, but that led to a million-dollar deficit for athletics at the end of the year.

"Now we're trying to get to the point where perhaps the university is providing enough support to athletics to cover the scholarships we're entitled to provide under NCAA rules. That comes to about \$7 or \$8 million, and most of those students probably wouldn't be here if it wasn't for that scholarship money. In fact, many out-of-state students come here to compete in Pac-12 sports who are walk-ons and pay full tuition. I'm pretty comfortable with that basis for financial support for athletics, because it's another form of student recruitment, and much of that money goes right back into the university in the form of tuition and fees.

"I don't want to be much above that, and I want to see if we can get to that point in another two or three years. During my time here we have had really strong support from donors for capital projects and annual support for athletics but the competition is more intense than ever and we will have to continue to build on our recent success.

"The question is this: Can we get to the point where there are no surprises, where we know the university is going to cover a certain amount for athletic scholarships, and that's it?"

What else keeps you up at night?

"This too is longer term, and very frustrating: When I first came here and talked about diversity and inclusion, people answered me by saying, 'Well, we're not very diverse in Oregon,' and I said that if we actually become a place where people know that — no matter who they are or what they look like —

they can come here and flourish, we will become a destination of choice, and it won't matter how diverse Oregon is.

"I'd like us to be able to say we're there, but we can't say that now. We're doing a lot better in terms of our profile — in terms of the students, faculty and staff who are here — but we have a long way to go. The question is, 'Do we have it in us to become a destination of choice because we deal with issues of inclusion and equity and social justice in ways that are admired by people, and draw people to us?'

"It's not just about equity and justice, it's about what's in everybody's interest. When I say we want our graduates to be able to compete with anybody, anywhere, anytime, and we want them to be successful in their careers and in service to others, all of our graduates are moving into a world that's much more diverse than the world that I grew up in, or that you grew up in.

"Here on our campus, where we're in something of a bubble, I want it to more accurately reflect the world our students will move into. We want this place to look enough like the real world that our graduates are comfortable anywhere, with anyone, and are ready to work collaboratively with anyone.

"Can we get to a place where people of diverse backgrounds look at us and just know they want to come here, because this is a place where everyone is welcome for who they are?"

Do you have one last question?

"One question people in Pendleton ask me with well-deserved pride is what I like most about the Pendleton Round-Up. I always respond that my favorite thing at the Pendleton Round-Up, where I ride a horse in the Round-Up parade, is the exact moment when I get off my horse under my own power, at a time and place of my own choosing.

"I've been here as president long enough that there's a question I need to answer: When am I done? When will I have run my lap? When will it be time for other people to take up the baton and go forward? I think anyone in leadership ought to be asking that question.

"When the Board of Trustees offered me a five-year contract in 2015, I remember thinking, 'Wow, that's a long time.' But it's also part of why I started pushing so hard on student success, and on diversity and inclusion. I'm not letting up on any of that. There's no relaxing until I finish, hopefully at a time and place of my own choosing.

"There's that line in show business: 'Always leave them wanting more.' You don't want to wait too long.

"When is the best time to leave and have there be great momentum for this wonderful university, so it just keeps getting better and better for the next 20 years after I'm gone?

"That's a question I have to answer." 🍷

A quiz about pests, plagues and history



Do pests, plagues and history belong together in an advanced entomology course? You'd better believe it. While puzzling over these questions provided by Betsey Miller, an entomology instructor and research assistant in the Department of Horticulture, readers will discover that insects have played, and continue to play, an important role in history. It took centuries for the connections between many diseases and insects to be verified, and a quick review of some of today's plagues, such as malaria, Zika virus and Lyme disease, shows that political decisions regarding prevention, treatment and funding are still making headlines. See where you stand when it comes to basic knowledge of the impact of pests on human history. (Answers are on page 64.)

1. What proportion of all animal species are insects?

- A. 1/20
- B. 1/10
- C. 1/2
- D. 2/3
- E. 4/5



2. Which insect-borne disease contributed to the failure of Napoleon's campaign to conquer Russia?

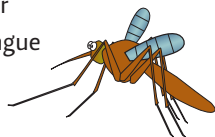
- A. Yellow fever
- B. Bubonic plague
- C. Malaria
- D. Typhus
- E. Typhoid fever

3. What is the formal name for the process of growing silkworms and spinning their silk?

- A. Apiculture
- B. Sericulture
- C. Horticulture
- D. Monoculture
- E. Aquaculture

4. Which insect-borne disease contributed to the U.S. purchase of the Louisiana Territory?

- A. Yellow fever
- B. Bubonic plague
- C. Malaria
- D. Typhus
- E. Typhoid fever

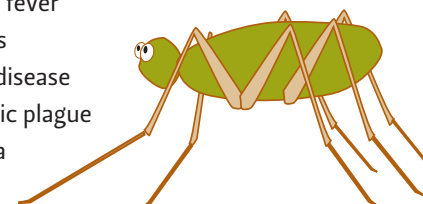


5. By weight, approximately how much insect is the average American going to (accidentally) eat in his or her lifetime?

- A. Zero to 0.1 lb.
- B. 1 lb.
- C. 2 to 4 lbs.
- D. 8 lbs.

6. Which insect-borne disease inspired the establishment of the U.S. Centers for Disease Control and Prevention?

- A. Yellow fever
- B. Typhus
- C. Lyme disease
- D. Bubonic plague
- E. Malaria

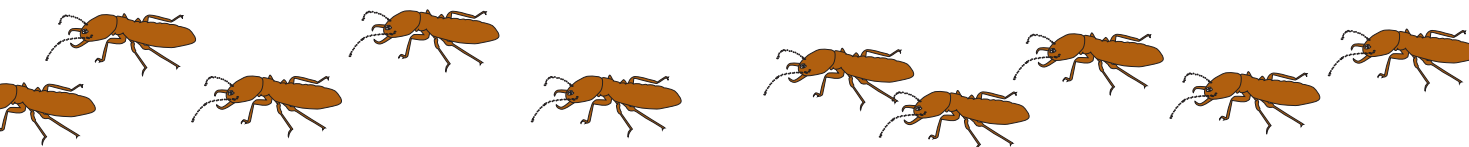


7. Food nutrient levels: Which of the following has the highest percent protein?

- A. Beef
- B. Termites
- C. Eggs
- D. Milk
- E. Fish

8. Which insect-borne disease contributed to a boom in the European textile industry?

- A. Yellow fever
- B. Typhus
- C. Lyme disease
- D. Bubonic plague
- E. Malaria





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Q: I've been reading a lot lately about claims that nutrients and vitamins in pill form are worthless and unreliable ... do you have a recommendation for where to buy worthy vitamin pills?

Answer:

This is a good question, and one that the Linus Pauling Institute gets a lot. While we neither recommend nor endorse particular brands or companies, we can offer advice for choosing supplements wisely. It's important to remember that supplements are not always necessary and they are not regulated as rigorously as drugs. It is largely up to consumers to determine a product's appropriateness, safety and potency. Below, we offer some concrete tips:

DETERMINE WHETHER YOU ACTUALLY NEED THE SUPPLEMENT.

The Linus Pauling Institute promotes healthy eating as the primary source of vitamins and minerals to keep you healthy, but we recognize that supplements are sometimes necessary to meet a person's nutrition needs. The institute has a long-standing recommendation that most people should take a daily multivitamin, because data show that the majority of the U.S. population does not get adequate amounts of vitamins and minerals from diet alone.

Other supplements we feel are worth consideration for certain people (based on the available science) include the following: vitamins C, B₁₂ and D, as well as calcium, magnesium, fish oil, lipoic acid and L-carnitine. Because the science is continually advancing

in this field, we developed a comprehensive database called the Micronutrient Information Center (MIC), which provides updated, objective information about vitamins, minerals and other dietary factors, with the articles written by Ph.D. nutrition scientists and externally reviewed by experts in the field at lpi.oregonstate.edu/mic. On this site, you can look up details on all the supplements mentioned above, as well as many more. This tool, as well as others such as Examine.com and the advice of your doctor, can help you determine which supplements may or may not be a good match for you.

LOOK FOR A "USP VERIFIED" OR "NSF" MARK ON THE LABEL.

When purchasing supplements, we recommend going with a brand that bears the USP or NSF mark on the label. Both the U.S. Pharmacopeial Convention (USP) and NSF International (NSF) are not-for-profit agencies dedicated to verifying the quality, purity and potency of dietary supplements.

Their programs include audits of manufacturing facilities and product testing to verify that what is in the bottle matches what is stated on the label (and that products are free from contaminants like lead or bacteria).

A list of products that have the "USP Verified" seal can be found on their website at quality-supplements.org/verified-products. To find products with the NSF mark, you can search their online

supplement database at info.nsf.org/Certified/Dietary/.

However, both the NSF and USP programs are voluntary — manufacturers can choose to participate in the program or not — and a detailed analysis of the products tested may not be made available.

SEEK OUT INFORMATION FROM REPUTABLE COMPANIES OFFERING INDEPENDENT TESTING.

Websites like ConsumerLab.com and LabDoor.com provide an analysis of supplements to determine if the product meets the claims on the label (some content requires a paid subscription to access).

Word to the wise: Other supplement rating sites exist but be aware of the potential for bias (paid reviews and advertising can be spun as objective analysis).

CHECK THE FDA'S TAINTED PRODUCTS LIST AND SIGN UP FOR ITS UPDATES.

In contrast to prescription and over-the-counter drugs, dietary supplements do not generally require approval by the FDA before coming onto the market. But the FDA does police a fraction of supplements that are already on the market, and publishes its findings. You can access this info on the agency's list of known contaminated and tainted products and/or sign up for its updates at www.fda.gov/ForConsumers/ConsumerUpdates/ucm236774.htm

LINUS PAULING INSTITUTE

Alumnus endows first university-wide scholarship to support transfer students

A California businessman who values the support he received at OSU as an undergraduate transfer student in the 1960s has made a first-of-its-kind gift to support transfer students.

Fred Damavandi '65, immigrated to the United States in 1959 after he graduated from high school in Iran. An older brother was already in the U.S.

"I had heard so much about the U.S. and the opportunities there, that I wanted to try it," Damavandi said.

After early studies at a junior college, he searched for four-year institutions that offered the right courses and the support he needed. He transferred to Oregon State to study math and civil engineering after receiving a scholarship for incoming international students. It covered his tuition and books, and he worked on weekends and at night at his fraternity, Pi Kappa Phi, to earn money to cover room and board. Without the scholarship, he recalled, he wouldn't have been able to cover his expenses and have time to study.

Damavandi's gift, given in both his and his wife, Flor Damavandi's name, is the first the university has received that is broadly focused on transfer students, according to the OSU Foundation. It makes him an early contributor to an initiative the university and the foundation will launch in early 2017, to develop a broader, more flexible array of support to help more Oregon State students succeed and graduate.

The scholarship will probably be given for the first time in 2020 and will be set up to support any incoming transfer student — domestic or international, in-state or out.

International students were much rarer on campus in the 1960s than they are now, Damavandi said.

"I had a thick accent and hadn't yet mastered English, and I experienced some difficulties, but looking back, it wasn't from the people there in Corvallis, it was mostly in my own head.

Overall I had a great experience at Oregon State."

After graduating, he worked as an engineer in California's Bay Area for a few years, and eventually became an executive vice president for a large developer. That made him realize he wanted to run his own company, so he struck out on his own in 1973. His company, Damavandi

Capital, is a major developer and redeveloper of a wide variety of residential and commercial properties. He especially enjoys the challenge of turning around failing enterprises.

Having spent much of his career in a business where he had to constantly reinvest almost all of his available capital in his next projects, Damavandi said he finally has the time and money to get more involved in philanthropy.

"It's truly an experience that gives the giver," he said.

"Whether it's an individual I'm helping or an organization, giving gives me a lot, lot more joy and satisfaction than it gives the recipient." 🍊

"Giving gives me a lot, lot more joy and satisfaction than it gives the recipient."

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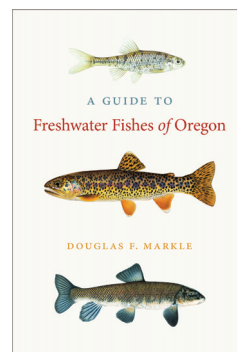
Noted publications by Beavers and friends

Books featured in "In Print" were written by alumni, faculty and friends of OSU. More publications appear in the "Published" subsection of the "Of note" section on page 55.



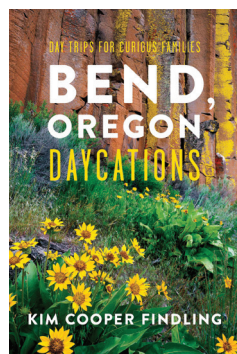
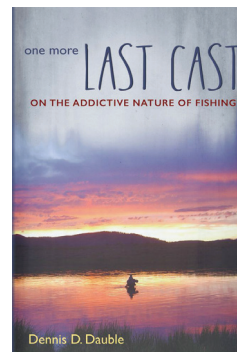
Great Tide Rising: Toward Clarity and Moral Courage in a Time of Planetary Change (Counterpoint Press) by Kathleen Dean Moore, distinguished professor of philosophy and writer laureate emeritus at OSU. The book takes on the essential questions regarding the future of the physical world and steps that people of courage can take to influence positive change.

A Guide to Freshwater Fishes of Oregon (OSU Press) by Douglas F. Markle, fisheries and wildlife professor emeritus. An authoritative guide to the native and non-native freshwater fishes found in Oregon, it provides identification aids and images for most of the 137 known species and subspecies. With annotated keys and detailed color illustrations, it will be useful to professional biologists, sportsmen and anglers, and anyone curious about the diversity of freshwater fishes of Oregon.



Ethnobotany of the Coos, Lower Umpqua, and Siuslaw Indians (OSU Press) by Patricia Whereat-Phillips '92 documents the cultural and culinary use of plants by these closely-related coastal tribes, covering a geographical area that extends roughly from Cape Perpetua on Oregon's central coast, south to the Coquille River, and from the Coast Range west to the Pacific shore.

One More Last Cast: On the Addictive Nature of Fishing (Keokee Books) by Dennis Dauble '72 '88. After a 35-year career as a fisheries scientist, Dauble returns with more wry and humorous tales gleaned from a lifetime of fishing experiences and insights. In addition to time spent fishing on the Columbia River and other Pacific Northwest waters, he writes about the natural history and behavior of important sport fish from Oregon and Washington.



Bend, Oregon Daycations: Day Trips for Curious Families (Kim Cooper Findling) by Kim Cooper Findling '00. What to take, where to go and what not to miss on 19 Oregon day trips within a two-hour radius of Bend.

Engineers design tsunami standards

By Steve Lundeberg

When the next huge tsunami strikes the western United States, people in and around some newly built coastal structures will be more safe, thanks to national construction standards announced in late September that — for the first time in the U.S. — will consider the devastating risks posed by tsunamis.

The American Society of Civil Engineers has developed this edition of the standards, known as ASCE 7-16, and it's the first to include a chapter on tsunami hazards, in addition to chapters on seismic, wind and flood hazards.

The tsunami standards are only for steel-reinforced concrete buildings in "inundation zones," which in the future may be stronger and safer with only moderate increases in cost, experts say. They will not apply to wood-frame structures.

The standards were based in part on work done at Oregon State's O.H. Hinsdale Wave Research Laboratory, said Dan Cox, a professor of civil and construction engineering in the College of Engineering, and one of about 20 engineers on the ASCE subcommittee that developed them.

The subcommittee was a mix of engineering practitioners and researchers from across the nation, Cox said. Led by a practicing engineer in Hawaii, Gary Chock, the committee began its work in late 2010, a few months before the March 2011 earthquake and tsunami that devastated Japan.

"We weren't reacting," Cox said. "We were trying to do this in advance. After the 2011 event, interest accelerated regarding how to build things safely in a tsunami zone, and it was important that the subcommittee contained people familiar with how

codes work and academic researchers who can bring in the latest advances. Everything was geared toward bringing the best of both into practice."

The subcommittee used as a starting point a document that had been issued in 2008 by the Federal Emergency Management Agency. Cox's OSU College of Engineering colleague Harry Yeh had contributed to that document, which was a guideline for designing structures to allow for vertical evacuation, such as climbing to a higher floor.

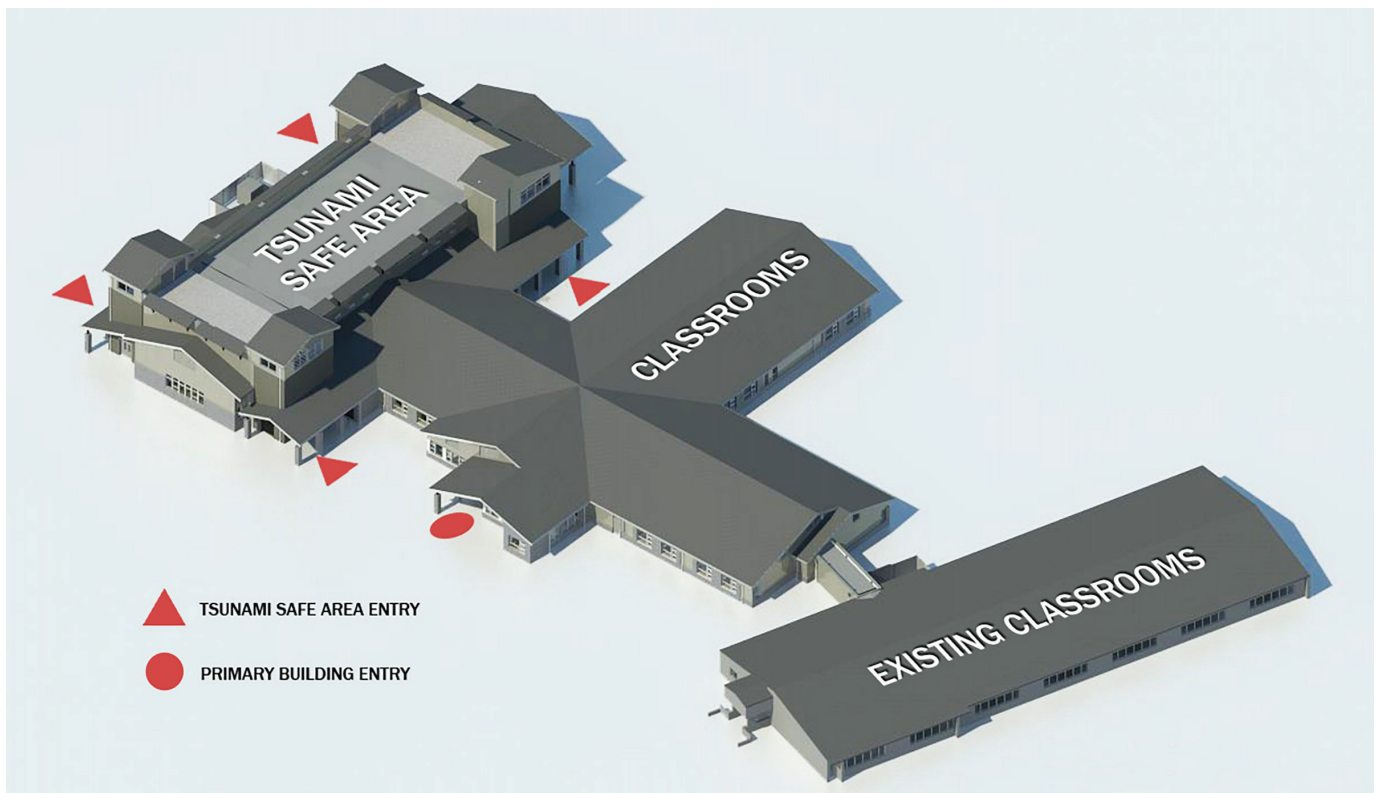
"We wanted to pull the state of the practice together, and if there were holes in the way we were doing things, we wanted to fill in those holes," Cox said. The large wave flume at OSU's Hinsdale lab played a major role in producing the data used in developing the tsunami standards, said Cox, formerly the lab's director and now the head of the Cascadia Lifelines Program.

That lifelines program works to mitigate infrastructure damage from a major earthquake on the Cascadia subduction zone.

OSU and eight partners from both the public and private sectors have begun five research projects with \$1.5 million contributed by the partners.

Oregon State President Ed Ray has said OSU is committed to meet or exceed all building, engineering and life safety standards, including the new tsunami standards, for the future marine studies facility at Newport.

While the new standards will add some expense to the cost of a two- or three-story building, the additional amount will be comparatively small. 🍌



The new gym at Ocosta Elementary School, a half-mile from the Pacific Ocean in Westport, Washington, was designed and built using the new tsunami safety standards announced Sept. 28 by the American Society of Civil Engineers. The gym's roof, as shown in this rendering, provides an evacuation destination; it can hold up to 2,000 people. (Rendering by TCF Architecture)

Grad student landed more than a job

By Gretchen Schrafft | Photo by Hannah O'Leary

In March 2015, Travis Powers, then 25 and about to enter the MBA program in the OSU College of Business, learned of an interesting campus job opening.

The Center for Diversity and Cultural Engagement (DCE) sought a graduate student from the college who had the financial acumen to help manage \$3 million in student fee dollars allocated mostly to OSU's seven cultural resource centers. Housed in the Student Experience Center, DCE is the nexus of the university's efforts to celebrate diversity and promote cross-cultural understanding on campus.

"I had worked at a few universities across the country," Powers, now 27, said, remembering his surprise, "and I just had never even heard of having seven cultural resource centers. I'd seen student groups, but I thought it was pretty unique in higher education that, structurally, we have funding for diversity and cultural resources."

Though administered by professionals, the DCE is largely student-staffed and driven. Most of its initiatives grow out of the hard work of its more than 110 student employees. Powers eventually accepted Chief of Staff Jason Dorsette's offer of a graduate assistantship, and went to work helping students translate their passion and ideas for events and programs into fiscal and operational reality.

Asked for an example of how that looks in his day-to-day work life, he recalled how the state-imposed minimum wage increase that went into effect this year presented DCE with the distinct possibility that some of the student positions would have to be eliminated to balance the budget. A student employee from the Women's Center approached DCE's professional staff with a possible solution. Powers said he made an effort to "hear out the heart" of the student's idea, and he helped create new positions for "student diversity ambassadors" in DCE's central office, financed through a different budget.

Playing a key role in DCE's budget review, Powers assists professionals and students as they earmark each dollar for various goals and uses.

He said he is proudest of the budget review process and of helping start the student ambassadors program. Because two other major student groups are also housed in the Student Experience Center, he's certain the ambassadors program will yield exciting collaborations: "It's only been a few weeks, but our ambassadors are starting to dream with them."

As a white male working to help implement social change, Powers said the most important thing he can do is have "an attentive ear."

"Sometimes we think we understand certain things," he said. "But a lot of times we're controlled by the dominant narrative. It's important to be careful of pushing your own dominant identity's agenda on the work these groups are trying to do. So when my skill set is called for, I try to do that in the ways I know how, but at the same time understanding where the groups and students I'm working with are coming from."

According to Dorsette, who now considers his graduate assistant one of his closest friends, Powers makes the balancing act look easy:

"Travis comes at the work from a place of care and love and really does the best that he can do to make sure underrepresented voices are at the center of the conversation," Dorsette said. "He does it in a way that is authentic. Everybody can feel it."

As for evidence of that: When first contacted for this article and asked for a general assessment of Powers' impact, Dorsette opened his office door and called to the student workers outside: "Who loves Travis?"

Everyone, he said, raised a hand. 🍌

Gretchen Schrafft earned her MFA in creative writing from OSU in 2016. She teaches writing and composition at two Seattle-area universities.



Beaver Store supporting open textbook initiative to reduce student expenses

As part of ongoing efforts to increase textbook affordability for Oregon State University students, the OSU Beaver Store is supporting OSU's open textbook initiative by distributing free open source textbooks on its digital e-commerce platform.

The university's open textbook initiative (open.oregonstate.edu/textbooks) is a collaboration between OSU Libraries, OSU Press and Open Oregon State. It provides financial, technical and editorial support for faculty members to create texts that will be freely accessible online to any student in the world.

The Beaver Store's website displays the textbooks used in each course at OSU, along with price comparisons to the online marketplace. When the required course content happens to be open source, the store now distributes or links to those free digital materials.

"We've created a one-stop portal (osubeaverstore.com/academics) for OSU students to connect to all of their course materials, be they paid or free," said Steve Eckrich '91, Beaver Store president and CEO. "We're providing students with every possible format to choose from, including digital, rental and now free open source content."

The store has provided price-transparency to students for many years using its online price comparison tool. Its website displays the store's prices for new, used, digital and rental course materials, alongside the prices of online retailers and others.

"Because the OSU Beaver Store provides the largest student discount of any college store in the country, we are very price-competitive with the online marketplace," said James Howard, Beaver Store academic materials manager. "We also provide certainty that the student is getting the correct book and edition, with the option to get it more quickly in-store and have in-store returns that don't require shipping."

The OSU Beaver Store works closely with faculty to procure the materials they want to use for their courses. It sources a wide variety of formats and pricing options, to ensure that students have everything needed to be informed consumers.

"Adding free open source content to our digital platform is a natural extension of our commitment to textbook affordability as a student-based organization," said Eckrich. 🦫



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CAMPUS KEIZER DOWNTOWN PORTLAND CLACKAMAS

A drone and a swoop of cetacean poop help scientists monitor whale health

By Mark Floyd

A lot of people think what Leigh Torres did this summer and fall would qualify her for a spot on one of those “World’s Worst Jobs” lists.

The OSU marine ecologist follows gray whales from a small inflatable boat in the rugged Pacific Ocean and waits for them to, well, poop. Then she and her colleagues have about 20–30 seconds to swoop in and use a fine mesh net to capture some of the prized material before it sinks to the ocean floor.

Gray whales can reach a length of more than 40 feet and weigh more than 30 tons, but Torres, a principal investigator in the university’s Marine Mammal Institute, insists that it really isn’t that bad of a job.

“We’re just looking for a few grams of material, and to be honest, it doesn’t even smell that bad,” she said. “Now, collecting a DNA sample from a whale’s blow-hole — that’s a bad job. Their breath is horrendous.”

Researchers want to learn how noise — both natural and human — affects the whales. Technology is changing the way the scientists work.

“New advances in biotechnology allow us to use the fecal samples to look at a range of things that provide clues to the overall health and stress of the whales,” Torres said. “We can look at their hormone levels and genetically identify individual whales, their sex and whether they are pregnant. And we can analyze their prey and document what they’ve been eating.

“Previously, we would have to do a

biopsy to learn some of these things and though they can be done safely, you typically don’t repeat the procedure often because it’s invasive.”

In addition to small underwater cameras and new advances in genetic and hormone analyses, the OSU team uses a drone to fly high above the whales, providing unprecedented views of their behavior.

“Because of the overhead views, we now know that whales are much more agile in their feeding,” Torres said. “We call them ‘bendy’ whales because they make such quick, sharp turns when feeding.”

The study is a pilot project funded by the National Oceanic and Atmospheric Administration’s Ocean Acoustics Program to determine the impacts of noise on whale behavior and health. Torres, who works out of OSU’s Hatfield Marine Science Center in Newport, focuses on gray whales because they are plentiful and close to shore.

“Many marine mammals are guided by acoustics and use sound to locate food, to navigate, to communicate with one another and to find a mate,” said Torres, a faculty member in OSU’s Department of Fisheries and Wildlife and an ecologist with the Oregon Sea Grant program.

Underwater cameras let researchers see whales feeding below the surface, helping them understand what attracts the massive mammals to certain habitats.

Assisting with the research are acoustic scientists Joe Haxel and Sharon Nieuwkirk of OSU’s Cooperative Institute for Marine

Resources Studies and the NOAA Pacific Marine Environmental Laboratory at the Hatfield center. Drifting hydrophones record natural and human-caused sounds near the whales.

“Gray whales are exposed to a broad range of small- and medium-sized boat traffic that includes sport fishing and commercial fleets,” Haxel said. “Since they are very much a coastal species, their exposure to anthropogenic noise is pretty high. That said, the nearshore environment is already very noisy with natural sounds including wind and breaking surf, so we’re trying to suss out some of the space and time patterns in noise levels in the range of habitats where the whales are found.”

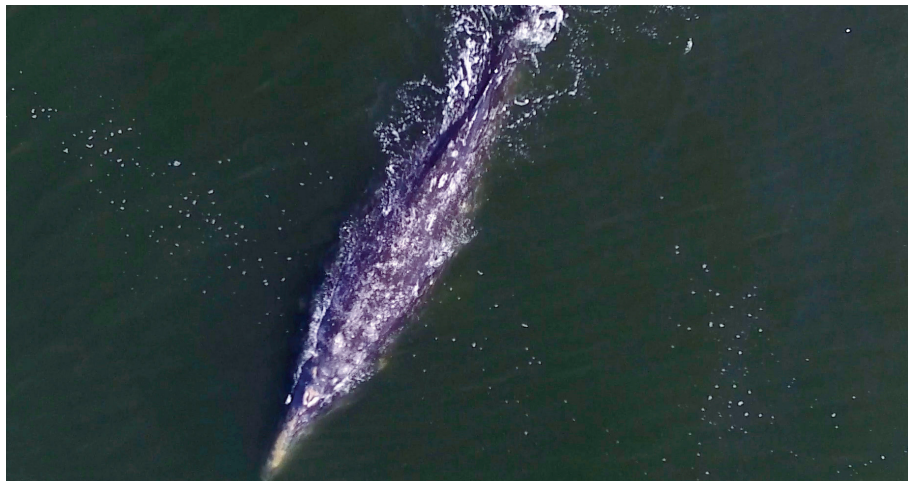
It will take years for researchers to learn how ocean noise affects gray whale behavior, but the knowledge they gain may apply to many whale species, Torres said. That’s part of why the team of marine pooper-scoopers gets so excited when it springs into action.

“When a whale defecates, it generates this reddish cloud and the person observing the whale usually screams ‘POOP!’ ... It’s a moment of excitement, action, and also sheer joy ... because that may provide us with a biological gold mine of information.

“That’s not such a bad job after all, is it?” 🐋

A video of the sample-capturing process, complete with narration by Torres, is available at bit.ly/whale_poop.

Researchers use live video from a drone-mounted camera to track gray whales from above and see when it’s time to leap into action with the poop-scooping net. (Photo courtesy Oregon State University)



Wingless wasp preserved in amber

By David Stauth

A team including a renowned OSU entomologist has identified a bizarre, parasitic wasp without wings preserved in 100-million-year-old amber, which seems to borrow parts of its anatomy from a range of other insects but actually belongs to no other family ever identified on Earth.

The specimen, which is spectacularly well preserved, probably crawled along the ground at the base of trees trying to find other insects and a place to lay its eggs. While dinosaurs strolled around above it, it looked for an insect grub of some kind it could sting.

But for reasons unknown — maybe because it couldn't fly, maybe because it died off from pathogens or habitat loss — it eventually disappeared and is now extinct.

After considerable debate, citing first one body part and then another, researchers created a new family for the specimen, called Aptenoperissidae, as part of the larger Order of Hymenoptera, which includes modern bees and wasps. Within that family, this insect, named *Aptenoperissus burmanicus*, is now the only known specimen.

The findings have been reported in the journal *Cretaceous Research*, by scientists from Russia, England and the United States.

"When I first looked at this insect I had no idea what it was," said George Poinar Jr., a professor emeritus in the College of Science at Oregon State University, co-author on the study and one of the world's leading experts on plant and animal life forms found preserved in amber.

"You could see it's tough and robust, and could give a painful sting. We ultimately had to create a new family for it, because it just didn't fit anywhere else. And when it died out, this created an evolutionary dead end for that family."

The insect, Poinar said, brings to mind the old parable — which now has been adapted among various world religions — about six blind men being asked to touch an elephant and describe what it looked like. One who felt the tail described it as a rope; one who touched the leg said it resembled a pillar; and so on.



"We had various researchers and reviewers, with different backgrounds, looking at this fossil through their own window of experience, and many of them saw something different," Poinar said. "If you focused on its strong hind legs you could call it a grasshopper. The antenna looked like an ant, the thick abdomen more like a cockroach. But the face looked mostly like a wasp, and we finally decided it had to be some kind of Hymenoptera."

The insect is a female, and its long legs may have helped it pull out of cavities into which it had burrowed, seeking pupae of other insects into which to lay its eggs. With that lifestyle, wings would have been a hindrance, researchers noted in the study. It may have attacked other beetles with its sharp and jagged stinger, and it would have had a pretty strong leaping ability. It did have a cleaning mechanism on the tip of its antenna that is characteristic of Hymenoptera.

The fossil came from what is now the Hukawng Valley in Myanmar on the continent of Asia, where arthropods from 252 families have been found. It's one of the richest deposits of Cretaceous amber. 🐛

This ancient wasp without wings lived at the base of trees while dinosaurs wandered around above it, and is the only known specimen in a newly-created family of Hymenoptera. (Photo by A.J. George Poinar Jr.)

CLASSROOM



Making history in Bend

OSU-Cascades opens new campus after decades of work

By Kevin Miller | Photos by Hannah O'Leary

Some cried tears of joy under a clear September sky as Oregon's first new public university in half a century opened its new campus in Bend.

OSU-Cascades — previously a two-year institution headquartered in leased space at Central Oregon Community College, and with no freshmen or sophomores — welcomed its first freshmen and sophomores in 2015.

But it wasn't until Sept. 16 that OSU-Cascades became a free-standing, four-year-and-above university, with its own campus and big plans for the future.

"This campus launches a new era for educational attainment, economic growth, community partnerships and cultural enrichment in Central Oregon," OSU President Ed Ray told the gathered crowd. In the audience were many who had worked for years and years to make the campus a reality, and their excitement was evident.

Ray, Oregon Gov. Kate Brown, state Rep. Knute Buehler '86, OSU-Cascades Vice President Becky Johnson and Elizabeth Woody, Oregon's poet laureate and a Warm Springs tribal member, participated in the opening. Joining them was Amy Tykeson, whose family provided key financial support for Tykeson Hall, the academic center and first completed building on the new campus. A dormitory and dining hall is nearly finished and is expected to be open by the time students return from winter break.

For at least three decades, community leaders in Central Oregon had hoped and pushed for a university in the region. They were only somewhat mollified in 2001 when Oregon State opened OSU-Cascades and began offering degrees and teaching junior- and senior-level classes in a leased building at COCC.

"It will fly free," then OSU President Paul Risser assured the locals, all but promising them that with their support, OSU-Cascades would grow and become a true university in due time.

Johnson, OSU-Cascades vice president and senior leader at the campus since 2009, said she was thrilled to be on hand as Risser's prediction came true.

"It was incredible," she said of the celebration. "Obviously I didn't do this on my own, but to be part of opening a brand new campus from scratch and not be constrained by what's been there for 100 or 150 years ... where you can think forward about things like sustainability and energy conservation ... was a really fun, once-in-a-lifetime opportunity."

The new 10-acre campus will provide classrooms and lab space for all OSU-Cascades students, as well as a dining center and residential housing for 300 students. As the campus expands over the next decade, OSU-Cascades expects to serve 3,000 to 5,000 students, most of them from Central Oregon.

"We are bringing the OSU excellence to an underserved area of the state," Johnson said, noting that demographers predict that the Bend-Redmond area will soon surpass Eugene-Springfield as Oregon's second-most populous region. "We have all of the possibilities that a top research university can bring. We have to be duplicative with the main campus in some areas, because our students need that.

"We have to have business programs. We have to have engineering. But we want to do that in ways that specifically serve Central Oregon. So we have energy systems engineering, and in business we have our hospitality management degree.

"There will be duplicate programs in other areas. Psychology is one of the most popular degrees on campuses everywhere. We have a psychology degree and OSU in Corvallis has a psychology degree.



OSU-Cascades Vice President Becky Johnson was all smiles at the opening of the new campus.

"We're talking about offering a nursing degree. We have quite a health and medicine community here."

The new campus is near downtown Bend and is integrated into a commercial district, which will help expand OSU's partnerships with industry and community, and enhance student internship programs and workforce development. Public-private partnerships will increase research and innovation while providing amenities for both students and community members. The 10-acre campus will also include a community STEM education provider, the Bend Science Station.

OSU's long-range plans anticipate expanding the campus onto an adjacent property, a 46-acre former pumice mine, and potentially onto a second property, a 76-acre county demolition landfill. The two sites together represent one of the largest tracts of underutilized land within Bend's urban growth boundary.

OSU's efforts to develop the new campus drew fierce opposition from some in Bend, mainly residents who live near the site and fear it will adversely affect them. The dispute became heated

Words of gratitude

as it wound its way through hearings and courtrooms, and was closely followed by Bend-area reporters and commentators.

"There was no place in Bend that was perfect for us," Johnson said. Traffic, parking and infrastructure problems would have been present no matter where the campus was built. "We feel confident that we picked the site with the most positive attributes and the least negative attributes, but there are still people who live nearby who feel like they're going to bear the brunt of some of negative attributes. No matter where we went, that was going to happen.

"It was like nothing I've ever experienced," she said of the vitriol that accompanied the land-use dispute. It was a big help, she said, that personal friends who routinely navigate Oregon's rigorous land-use review process in their professional lives assured her that it would all pass.

"They'd tell me we were going to prevail but it wasn't going to be fun or easy."

Those who work at the campus tend to have a younger-sibling feistiness about their mission, she said. They love and benefit from the association with Oregon State, but they also want to do things the Central Oregon way.

She noted that OSU-Cascades has become the focus of both her greatest professional low and her greatest high.

In 2001, as a respected administrator on the main campus in Corvallis, she desperately wanted to be selected to launch OSU's Bend operation, but was runner-up.

"It was personally devastating to me to not get the Cascades job back then because I thought this had so much potential.

"As it turned out, there are always silver linings, and I went on to be vice provost for academic affairs on the main campus, which was incredible preparation for coming over here almost 10 years later.

"Now here we are. Fate's weird." 🍷

Hannah O'Leary assisted in reporting this story.



This is my second year at Cascades and my fourth year in college. Having your own campus helps you focus on your major, and know you're an OSU student now.

— Marcella Guerra, student



I think it's important that we have our own campus, our own buildings and facilities. It makes it easier to have a sense of community.

— Apolo Aguirre '12, advisor



I'm from Hood River. I checked out U of O in Eugene and OSU in Corvallis and I didn't really like the towns. When I heard that Bend was going to have a university, I just got really excited.

— Sascha Bockius, student



It's a huge opportunity for the freshmen coming in. They're starting off with the best facilities and the best equipment. We didn't even have a chemistry lab at Cascades Hall; we were using an old lab that COCC had abandoned in another building.

— Scott Geddes (right), chemistry instructor



What a four-year institution means to me is that I have a large amount of information presented to me while I'm being made into a well-rounded student.

— Nick Cooper, student



In Juntos, family joins the trip to college

Story and photos by Hannah O'Leary

The pep band blasted melodies into the stormy October evening. It was senior night, and Jennifer Verdin stood on the Tillamook High School football field, waiting for her parents to join her in one of this year's many milestones.

The music stopped and the students were introduced, one by one. "Jennifer Verdin, planning on attending a community college or university and studying biology or something in the medical field," said the announcer. Jennifer greeted her parents and they huddled under an umbrella, clutching flowers.

On a typical day at school, you might find Jennifer organizing science club activities or practicing for track, cross country or the debate team, depending on the season. A daughter of immigrants,

she is taking steps to be a first-generation college student.

Her parents, Maria and Francisco Verdin, are right there with her. They ask about college applications, scholarships and her studies. In the past they might not have known what questions to ask. The difference is due in part to OSU's Juntos program, which the Verdin family joined in 2013.

Juntos, meaning "together" in Spanish, is a college readiness program for

Above: OSU-bound Tillamook High student Jennifer Verdin and her parents, Maria and Francisco Verdin, enjoy some soggy recognition before a Cheesemakers football game. At right: The Verdins and others enjoy the camaraderie of the Juntos program.

Latino students and families. While each community and therefore each program is slightly different, Juntos operates in 14 communities around Oregon. Twenty-five Juntos facilitators and five OSU Open Campus coordinators work with more than 700 family members.

"Juntos is coordinated by local OSU faculty," said Jeff Sherman '09 '10, Open Campus program leader. "We aren't just showing up to deliver a six-week program.

"What makes Juntos unique is the connection to Oregon State University and the partnerships in the community. We are working hand-in-hand with community organizations, school districts, churches and businesses to empower families around education, throughout the year. We have student clubs, OSU and other college visits, parent nights and more. Juntos is about coming together. That's what makes this special."

Families learn how to navigate their local school system, including following their child's progress online, discovering how a school board works and understanding what the grades on a report card mean. Parents in Juntos might begin as spectators but they're soon participants in their children's education.

"It is not like anyone didn't care and didn't want to be involved, they just did not know how to be involved," said Emily Henry, OSU Open Campus education coordinator. "The unique thing about Juntos is that the families are involved."

Maria and Francisco Verdin have always encouraged their children to go to college, but they didn't know how to get

them there and they were discouraged by the cost.

Jennifer's brother, Edgar, and sister, Jackie, helped blaze the trail.

"Go to school, get A's, pass, do good. I didn't really know much about college until my brother went," Jennifer recalled. "I'm not 100 percent sure what I want to study yet, but I'm thinking about something in the medical field. I've been taking medical classes to help figure it out and also talking with doctors and dentists to see if I could shadow them."

Edgar graduated from Tillamook High in 2009, prior to the start of the Juntos program. Jackie graduated in 2013 and was a part of Tillamook's second Juntos cohort. The difference between Edgar's journey to college and Jackie's and Jennifer's journeys is that the younger siblings didn't take the trip mostly alone.

Edgar got support from his school counselor. His parents received updates but were not a crucial part of his transition to college.

"The Juntos program taught us who to talk to if you have questions or problems," said Jennifer's mother, Maria. "In the past if we had a problem, we would keep our mouth closed, or we would talk to the teachers. Now we know that if we go to a teacher and they don't listen, there are other people in the school we can talk with."

Once parents understand the educational system, they can be strong advocates for their children. Like most families, the Verdin family found Juntos through a friend.

"Word has spread. Kids are pulling in their friends, parents are pulling in other parents and other family members like cousins of Juntos kids," said Emily Henry.

Many Juntos parents also seek educational opportunities for themselves.

"It is like a light bulb, in every session," said Maydra Valencia, an Open Campus Juntos coordinator. "The parents keep building on that. Once Juntos is over, they continue to want the next light bulb moment. Here in Tillamook they're constantly asking when the next school board meeting is, because they're actively participating in the meetings. That has never happened before.

"Because of Juntos, the parents are in a Spanish GED preparation class. They aren't only pushing the students to continue their education. They think that it is vital for themselves to continue their own education, to be a better role model for their kids."

Maria Verdin is in the first cohort of the GED prep classes. She advocated for the them to be offered in Spanish for two years, including signing a petition to the local community college promising that if the classes were offered, she would attend. Most recently, Juntos parents asked the school board to provide English classes for Spanish-speaking parents.

Together, communities like Tillamook and families like the Verdins begin to see a world of opportunities and support. Juntos, together. 🍌

Hannah O'Leary '13 is associate editor for photography.







Sporting a bright orange cowboy hat, Andy Landforce '42, at 99 the last living member of the 1942 Oregon State Rose Bowl team, joins President Ed Ray and family members of the team's players and coaches as Beaver Nation honors the legendary team at this year's Homecoming game. The '42 game was won by the Beavers in Durham, North Carolina, played there and not in Pasadena, California because of fears that the Japanese might bomb a gathering on the West Coast. (See story, page 52.) Homecoming festivities also included several rousing performances by the OSU Marching Band and a carnival and Beaver Bash pep rally on the MU Quad and the SEC Plaza.

A decade of service

Veterinarians in training reach out to help in Nicaragua

By Lyn Smith-Gloria

It's late in the summer of 2016, and the Americans from that veterinary college in Oregon have arrived once more to treat the animals and help the people of Ometepe, Nicaragua.

"When we get there, we arrange tables, unload supplies and create stations," said OSU veterinary student Kristi Bunde, co-chair of the College of Veterinary Medicine's most recent project in Ometepe.

As soon as the students, faculty and private-practice veterinarians on the team have everything set up, they stage a mock clinic to make sure the work will flow efficiently, from intake to physical exams to anesthesia to surgery and recovery.

They also organize a small diagnostic laboratory and a separate outdoor clinic for large animals.

They know from past Ometepe visits that word of mouth will soon create a long line of people and their animals outside the clinic, as news spreads that the people from Oregon have returned to bring care and relief to their pets and livestock.

Ometepe is a tropical island in the middle of Lake Nicaragua. Most of the people who live there are poor, and many rely on their animals for food, work and transportation. There is no veterinary hospital on the island, and many of the

domestic animals suffer from disease and malnutrition.

Every year for the past 10 years, a group of volunteers that includes students and doctors from the OSU College of Veterinary Medicine has returned to Ometepe to set up a free clinic.

In a small village down a cratered dirt road, the OSU team and four Oregon veterinarians array their equipment and examining tables on the cracked concrete floors of an old industrial building with walls on two sides.

It looks primitive but is carefully planned for the efficiency required to treat hundreds of animals in just three days.



Volunteers for the Nicaragua service trip included 23 OSU veterinary students, one OSU veterinarian and four private practice vets from Oregon.

Michelle Flores is a third-year veterinary student and co-chair of the Nicaragua project. She and Bunde volunteered for the huge task of coordinating the movement of mountains of supplies, expensive medical equipment and dozens of volunteers to a third-world nation via airplane, bus and boat.

"This was the largest leadership role I have ever undertaken," Flores said. "It's challenging to get a big group of people to work together. I tried to listen to suggestions and incorporate them for the greater good."

The Nicaragua service project is sponsored by the OSU International Veterinary Students Association and Purina Pet Foods. OSU students raised nearly \$4,000 through a silent auction to support the trip, mostly to cover the cost of drugs needed for treatment.

During the 2016 trip, the clinic treated 767 animals and performed 74 spay and neuter surgeries. For Flores, the hands-on experience she gained on this trip was invaluable.

"We had a horse come in with a squamous-cell carcinoma on the side of his muzzle," she said. "I got to help out with that surgery. I had never seen anything like it before."

She also assisted with dozens of spay and neuter surgeries.

"It was a big confidence booster; we are all going to be doing this as our bread and butter out in general practice."

In addition to the great learning opportunities, Bunde values the personal growth gained from serving others.

"It's about learning to give back, and being thankful for what you have," she said. "We are not vets yet, but the impact we have on this community is amazing. That was the best part for me. I want to keep that desire, keep that passion with me, no matter where I go to practice." 🍌

Lyn Smith-Gloria '82 is marketing and communications director for the College of Veterinary Medicine.



Upper left: In the diagnostic lab, OSU veterinary student Erin Flannery shows a curious Nicaraguan boy how the microscope works. At left: Veterinary student Tyler O'Loughlin getting ready for work. Above: Students from the OSU College of Veterinary Medicine help veterinarians with spay and neuter surgeries. (Photos courtesy OSU College of Veterinary Medicine)

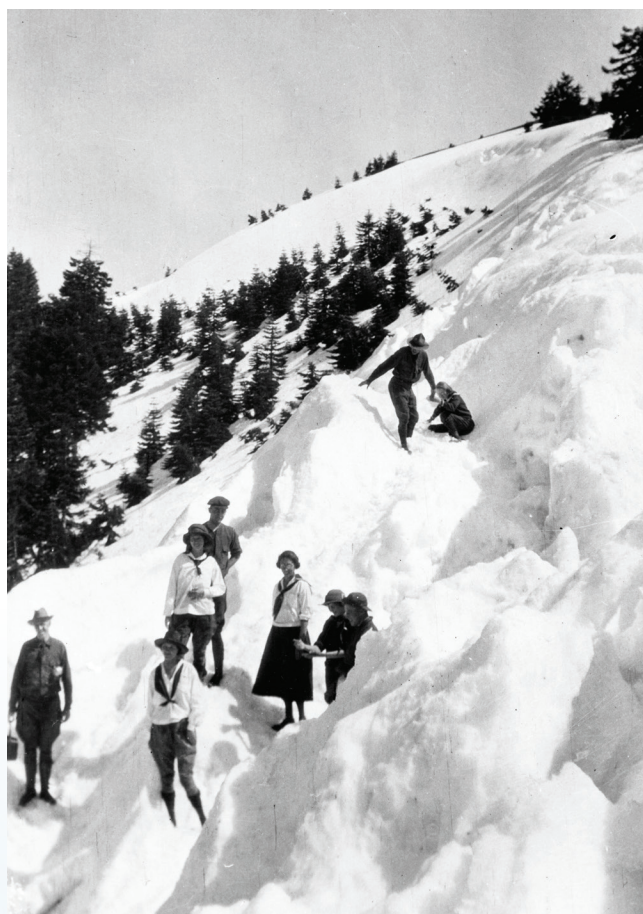
Marys Peak: The mountain on Oregon State's horizon

By Ann Kinkley

It's hard to miss.

The distinctive hump-backed mountain on OSU's western horizon has the silhouette of a crouching mouse. Early settlers called it Mouse Mountain. Its name may have derived from French-Canadian trappers referring to it as Marie's Mountain. It shows up as Mary's Peak on an 1855 survey map but later loses the apostrophe in its official name.

Over the years, local historians and folklorists would claim it was named for a settler named Mary, an Indian maiden, Saint Mary or the Marys River.



Around 1915, a party of students from Oregon Agricultural College enjoys the deep snow on Marys Peak. (Photos courtesy Benton County Historical Society)

It's hard to confirm word-of-mouth claims that indigenous cultures in the area revered the mountain as a special place for revelation and discovery, but there is this: Linguists say a Northern Kalapuyan root word for mouse sounds similar to the pronunciation of a long-standing tribal name for the mountain, Tcha-TEE-man-wi. Many OSU alumni and Corvallis residents will recognize Chintimini, the anglicized version of the word, in the names of various places and organizations.

Whether called by its official name, Marys Peak, or Mount Chintimini or Mouse Mountain, the massive crystalline basalt monolith has played prominently in campus life since the college in Corvallis began.

Early travelers up and down the Willamette Valley estimated their proximity to Corvallis by the distinctive shape's movement across their western horizon. On a cloudless day, those traveling in the Cascade Mountains to the east or boating along the coast in the Pacific could use the peak as a guiding landmark.

At 4,097 ft., it's the tallest point in the Oregon Coast Range.

Over the years, OSU's growth — in tall buildings and in hundreds of large trees — has hidden the mountain from the ground-level view on much of campus, although some people have inspiring views of it from high windows or from seats in the upper reaches of Reser Stadium. On winter days, many on campus — unless informed by an observant commuter — can go through the day without realizing there's fresh snow on Marys Peak.

This was not the case a century ago, when the mountain was plainly visible from campus and — especially when the snow got deep — a major recreational attraction for students and others. Trips to the mountain were highlights of the year. Poems, stories, songs and book-length legends were written in its honor.

In the late 1800s a small community called Peak was located on the northwest side of the summit. It had a post office for about 15 years; valley farmers would graze their livestock on nearby grass-covered meadows in the summer.

A publicity stunt enacted by a Corvallis mayor in 1889 involved entertaining crowds by shooting rockets into the night sky from the peak and then awaiting a response of rocket fire from those watching on campus.

As early as 1905, plans were made to preserve part of the mountain from logging and use the watershed for municipal water, which it provides for Corvallis and Philomath.

The 1909 *Orange* yearbook included a story with reference to "Chintimini, the sentinel of O.A.C. and the playground of her students."



In the late 1930s the Civilian Conservation Corps built a road to the top and a fire lookout tower on the peak. Over the years, satellite dishes and radio antennae sprouted there as well.

Snowfall could be quite heavy on the mountain. Corvallis once purchased acreage on the peak to construct and promote a wintertime playground. The Hellonskis Club operated a portable ski tow there in the '40s and '50s. Later, significant snow levels became unreliable and the winter sports resort plans died.

For nearly 40 years the Marys Peak Shrine Trek — a community picnic and festival to raise money for Shriners Hospitals for Children — was held on the grassy knoll near the top of the peak. Attendance reached 10,000 to 12,000 a year, and organizers moved the event into Philomath to help preserve the mountain's unique ecosystem of meadows fringed by noble fir.

OSU scientists have long studied the flora, fauna, weather and geology of the mountain, taking advantage of its proximity and rarity. The area is managed by the Siuslaw National Forest, and a scenic botanical area on the mountain is the only known home of *Grylloblatta chintimini*, a crawling insect. Many wildflowers found on the mountain are rare because of the area's elevation and isolation.

In 1946, thousands of people parked row upon row of automobiles near the top of the mountain for the Marys Peak Shrine Trek.

Today, students still drive up the winding road (with a seemingly endless progression of switchbacks) to feel the ocean breezes on a hot day, or to fill the back of a pickup with a mound of snow to take back to campus. On rare days of extremely clear air, one can still see the ocean and several Cascades peaks from the same spot on the mountain.

Visitors hike or bike up and down the many trails, traversing creeks and discovering waterfalls. They fall in love there, watch the stars, run races and even get married there.

Back on campus, a lucky few who have a west-facing window in a high room, might be able to look out and peek at the peak that has remained an unchanging backdrop for a university and its town. 🍁

Ann Kinkley is the Oregon Stater's associate editor for alumni news, history and traditions.

Lessons in Resilience

In Africa, students learn how fistula survivors turn tragedy into hope


By Nick Houtman | Photos by Joni Kabana



terra

Oregon State University • Winter 2017

Around the world — in engineering, the environment, health care, business and government — Oregon State alumni lead partnerships to solve problems. See their stories at terra.oregonstate.edu.



When three Oregon State students signed up for a project in the university's new humanitarian engineering program, the first question was, Have any of you made soap? Nervous laughter broke out when each one said "no."

"Ok, this will be fun," Brianna Goodwin recalls thinking.

But a year and hundreds of bars of goat-milk soap later, Goodwin, one of the students and a Mechanical Engineering graduate from Seattle, and her teammates — Grace Burleson of Beaverton and Brian Butcher of Portola Valley, California — took their expertise and curiosity to Africa, where they learned how the act of making this simple product can smooth the way for social justice and empowerment.

Under the guidance of professor Kendra Sharp, the Richard and Gretchen Evans Professor of Humanitarian Engineering, the students completed their capstone project for their degrees by working with a nonprofit organization, TERREWODE in Uganda. Last summer, they travelled to the East African country to conduct additional field research on a soap-making operation.

As engineers, they focus on process, technology and cultural communication. But their efforts are part of a larger relationship between Oregon State and TERREWODE. In 2011, Bonnie Ruder, a midwife from Eugene and now an Oregon State Ph.D. student in medical anthropology, met Alice Emasu, the group's founder. Ruder traveled to Uganda that fall, and others followed: Lauren Caruso (then Lauren Baur) in public health in 2012 and students in the College of Business in 2015 and 2016.

Extended Labor

Based in Soroti, Uganda, TERREWODE aims to improve the lives of women suffering from a medical condition known as obstetric fistula. This devastating problem occurs when, during prolonged childbirth and without adequate medical care, tissue in the birth canal is damaged. The resulting fistula, or hole, allows urine or feces to leak uncontrollably. Victims may be shunned by family members and reduced to a life of poverty and isolation.

Globally, the World Health Organization estimates that more than 2 million women live with untreated obstetric fistula, most of them in Asia and sub-Saharan Africa. Fortunately, effective medical treatment is available.

With support from the Worldwide Fistula Fund, TERREWODE educates women about the risks and raises money for medical care, which is often out of reach in rural areas. In the course of several trips to Uganda, Ruder interviewed health-care providers, fistula survivors and representatives of the Uganda Ministry of Health. In 2014, she created the nonprofit Uganda Fistula Fund for

TERREWODE to raise money for a new fistula hospital in Soroti. For her Ph.D. in medical anthropology, she is delving into more complex and persistent problems in fistula treatment — residual incontinence after surgery.

Local Business

While grants and donations can help women rebuild their lives, Ruder and TERREWODE aim to establish a source of income for the women that is sustainable. They are partnering with an Oregon nonprofit, MAPLE Microdevelopment of Eugene, and with Portland photographer Joni Kabana. And in their academic endeavors, participating OSU students are learning first-hand about the strength and determination it takes to recover from such a life-changing medical condition. They are striving to improve health-care access, to understand women's needs and to create successful businesses.

"This year, we've focused on other markets for their handcrafts," says Lauren Caruso, program manager for student engagement at the College of Business. "We worked with them to design beadwork for an American market, and we're developing an online retail presence." That website, terrewodemarket.com, offers an opportunity to purchase a variety of products made by fistula survivors.

With the help of generous gifts from alumni, the College of Business has provided support through a student group, 16xOSU, a social venture club that provides start-up funds for student-led businesses. In an academic program known as Innovation Nation, first-year students create their own businesses and contribute the profits to a shared fund that is managed by the student community to benefit humanitarian organizations like TERREWODE.

Meanwhile, Goodwin and her peers in the humanitarian engineering program focused on the soap making operation. While in Uganda last summer, they worked to identify a practical, local source of electricity so soap makers wouldn't have to worry about periodic interruptions to Uganda's power grid. They sought ways to improve efficiency and scale-up the soap-making process, and they studied the availability of local ingredients with an eye on increasing soap production.

"Our program aims to inspire students to do work that they feel makes an impact on society," says Kendra Sharp. "We stress the importance of learning collaboratively in community to solve real-world problems. This is a skill these students will take away no matter where their careers take them."

As they learned how TERREWODE operates and what it takes for a new business in rural Uganda to succeed, the Oregon State business and engineering students are fulfilling their own goals and making a positive difference in the world. Working with TERREWODE "allows me to do what I love but have an impact on peoples' lives," says Goodwin.

Gentle support comes through dance for a fistula survivor and advocate in Soroti, Uganda.

Our Floral Commons

Scientists and amateur botanists join forces in the Oregon Flora Project



Fritillaria affinis

Twice a month, Kirsten Hill makes the one-hour drive from Holley down the valley of the Calapooia and across the Willamette to Corvallis. She hunkers in Oregon State's herbarium, the state's largest collection of dried specimens of plants found within its borders, and pulls out volumes of plants meticulously arranged and annotated like books in a library.

The owner of a 25-acre Cascades foothills farm, Hill considers the plants on her land to be her co-conspirators in restoration. So in 2013, she reached out to the state's top-seeded source of botanical knowledge, the Oregon Flora Project at Oregon State University. This two-decades-long effort to monitor and catalog botanical biodiversity has produced — in print and online — an unparalleled resource for people who manage farms, ranches, forests, roadways, public green spaces and other lands. Key to this accomplishment is a network of more than 1,000 volunteers like Hill, people with a passion and curiosity about the natural world.

Knowing what plants are in our midst is key to understanding the environment, says Linda Hardison, director of the Oregon Flora Project. "Everything on this planet hinges around plants. They make the air we breathe. They are the primary sources of food, from phytoplankton to grasses for cattle. Plants are the lynchpin for the whole planet."

Begun in 1994, the project grew from the work of Scott Sundberg, Eugene native and University of Oregon graduate who had been hired at OSU to integrate plant collections from both institutions. After Sundberg's death in 2004, Hardison and her colleagues continued to turn the project into a comprehensive resource for the public. In addition to ongoing development of the herbarium, they have produced an interactive website (oregonflora.org), a book, *Flora of Oregon, Volume I*, and a popular wildflower app for smartphones.

A Market for Barnacles

Undergraduate researcher launches study of barnacle biology and culture

In Spain, a plate of gooseneck barnacles will set you back more than the cost of a lobster dinner. Known as percebes, goosenecks "set the palate in ecstasy," a Barcelona chef recently told a reporter.

During a summer field course at Oregon State's Hatfield Marine Science Center in Newport, Julia Bingham learned that goosenecks in Spain had been overharvested. She also discovered that a similar species, *Pollicipes polymerus*, grows abundantly on the West Coast. She wondered if this animal could pose an opportunity for fishermen. And if so, how could Oregon avoid overharvesting local populations?

As a student in assistant professor Mark Novak's marine ecology lab, Bingham launched the first systematic evaluation of gooseneck barnacle biology in Oregon. With support from Oregon Sea Grant, she collaborated with University of Oregon professor Alan Shanks and with Tom Calvanese, director of Oregon State's Port Orford Field Station. She surveyed populations on jetties — rock walls built to enhance navigation — where commercial harvesting would likely start. She also tested methods to encourage goosenecks to reproduce and grow.

Shelby Walker, Oregon Sea Grant director, says she was deeply impressed by Bingham's persistence and enthusiasm. "This is exactly the type of work that Sea Grant strives to support, a project that truly integrates research and community engagement," she says.

GRAND STRATEGY



Historians explore breadth and impact of past U.S. leadership

BY NICK HOUTMAN
ILLUSTRATION BY SANTIAGO UCEDA

GLOBAL PURPOSE

Last May, Christopher McKnight Nichols hosted the Rethinking Grand Strategy Conference at Oregon State. The OSU historian's immediate purpose was to bring together scholars who are looking at the evidence for broad thinking in the exercise of global power.

But for Nichols, the concept of "grand strategies" goes deeper. It's about big ideas, says Nichols, about connecting means and ends.

"A grand strategy," he explains, "is a long-term intellectual framework that structures a big, capacious foreign policy world view. One of the classic examples from the 20th century is containment, which was articulated by George Kennan (American diplomat and political scientist) as an intellectual foundation for the containment — that is, prevention of the spread — of Soviet communism."

Examples of grand strategy thinking frame much of the 20th century, says Nichols. Presidents from Woodrow Wilson and Harry Truman to Dwight Eisenhower and Bill Clinton operated from comprehensive world views. But Nichols extends the concept to other actors on the world stage, such as W.E.B. Du Bois, African-American writer and co-founder of the National Association for the Advancement of Colored People, and Jane Addams, first U.S. woman to win the Nobel Peace Prize.

"Historians know there's a lot that's missing in current scholarship," says Nichols. "There also is a tremendous amount we can build on. We hope to find consistencies and differences that extend across U.S. and world history and to deliberate how Americans have debated different sorts of strategies, grand and otherwise, and what their impacts have been when they've been applied."

Nichols is a 2016 Andrew Carnegie Fellow and a member of the Council on Foreign Relations. He and his colleagues are collaborating on a book stemming from the conference at OSU.

ALSO IN TERRA

Interrogating the Silence

Patti Duncan's research into her South Korean roots brought her face to face with questions about the treatment of mothers and their mixed-race children. The associate professor and coordinator of Women, Gender and Sexuality Studies explores the ways in which motherhood reflects gender roles, race and culture.

Democracy by Smartphone

From daily news feeds to personal updates and crisis communications, social media are changing the way people around the world share stories. Dan Faltesek, an assistant professor of new media communications, has gained insights on how Americans use social media to process political news and opinions.

Musical Openings

It started out as a "fun toy," a flying disc that plays music. But when Alex Dassise, one of the inventors, tossed it to his brother Stefan, their connection fundamentally shifted. Now Dassise and Spencer Kleweno, students in the College of Business, have formed a company, Seiji's Bridge, to market their product.

Inspirational generosity honored at President's Dinner

Bioresource research major Madison Esposito '17 shared her Oregon State story — and a small confession — at the Oct. 1 OSU President's Dinner. A pre-med student, she described her research experiences as well as the chance to re-connect with her Native American roots.

"I'm only able to participate in this rich life at OSU through scholarships," she said in closing, but then noted: "There's one mystery gift that appears curiously — but thankfully! — on my tuition fee slip. It just says, 'Scholarship.' I hope it's not a mistake, and I didn't just jinx it by bringing it up here, because I couldn't succeed without it." (Hear more of Esposito's story: osufoundation.org/madison.)

Applauding the impact of generosity on students like Esposito, over 270 guests honored OSU's leading donors at the 48th celebration.

"You make the difference — providing support that builds buildings, creates programs, attracts top faculty — all to ensure our students have the very best opportunities for success in college and in life," said President Ed Ray.

The dinner in Portland highlighted 18 new members of the Milton Harris Society, which recognizes lifetime commitments of \$1 million or more. Special congratulations went to the newest Harris Society member: 102-year-old emeritus faculty member Sheng Chung Fang '44. He conducted research at OSU for four decades and has created endowed scholarships supporting students in the colleges of Science, Agricultural Sciences and Public Health and Human Sciences.

Diane Detering-Paddison '81 shared her journey from OSU student to businesswoman, volunteer and philanthropist. She thanked the donors present, saying, "You are creating a community that has such a substantial impact, it can't be missed. When others see it, they're inspired to join in. And the impact of what we are doing together grows exponentially."

The university's first million-dollar commitment came from Milton Harris '26, who established Oregon State's first endowed faculty position in 1984. Since then, 334 donors have made commitments at that level, making a profound impact on the institution and its people.

New members of the Milton Harris Society honored at the 2016 OSU President's Dinner

Analog Devices
Kelly Cole Berka '77 & Jack W. Berka '77
Rebecca M. Camden
Flor Z. & Fred R. Damavandi '65
Bonnie Serkin & William H. Emery II '87
Sheng C. Fang '44
Carole & Michael D. Flanigan '69
Frances E. Freeman '64
Beth & Jerry Hulsman '54
Marilyn & Bob Hutchins '63
Marlene & Ronald D. Izatt '68
Sharon L. & Robert F. McElroy
Jennylee Sandberg Nesbitt '59
& Gregory Nesbitt '58
Joan & Tom Skoro '81
Alfred P. Sloan Foundation
The Walmart Foundation
Linda K. & Jan P. Wepster '63
Flo Retta J. Young



OSU Foundation President Mike Goodwin (left) and OSU President Ed Ray congratulate new Harris Society member Rebecca Camden, an active OSU volunteer and strong supporter, especially of the College of Veterinary Medicine. (Photos by A.J. Meeker)



Irene Giustina Goldbeck '74 and Robb Cooper join in singing the alma mater, the traditional end to an inspiring OSU President's Dinner.

Johnson Hall: Engineering a better future

The transformation of OSU's engineering program continued Sept. 23 with the grand opening of Johnson Hall, the new three-story home of the School of Chemical, Biological, and Environmental Engineering (CBEE).

The building bears the name, and continues the innovative legacy, of Peter and Rosalie Johnson. Pete Johnson, a 1955 chemical engineering alumnus, revolutionized battery manufacturing equipment with his patented invention for making battery separator envelopes.

The Johnsons committed \$7 million to begin construction on the new facility, leveraging an earlier gift of \$10 million from an anonymous donor and \$3 million in additional private funds, matched by \$20 million in state funds.

Johnson Hall includes a 125-seat lecture hall, state-of-the-art research and teaching laboratories, and a center focused on improving recruitment and retention of engineering students. The College of Engineering has the most students of any college at OSU.



Above, students flanked the entrance of Johnson Hall as Pete and Rosalie Johnson were escorted into the new building by Johnson Scholars Jolynn Meza Wynkoop '17 (left) and Kayla Al-Khaledy '16.

"As engineers and as educators, we talk about creating a better future. The work being done here today at Johnson Hall will help make that future possible," said James Sweeney (at left), head of the School of Chemical, Biological and Environmental Engineering, during the grand opening ceremony. (Photos by Hannah O'Leary)



A trip that opened heart and mind

Like many Baby Boomers, my most vivid childhood memories of Cuba involve the Cuban Missile Crisis with the threat of nuclear war and a sense that the people there really didn't like us. It was a pretty stark view.

As an adult, I learned more about Cuba from a colleague whose family left the country as Castro came to power. He shared much about the nation's culture, history and the struggles and triumphs of those who left their home to make a fresh start in America. His insights refined my mental image of what life in the country must be like.

As travel restrictions relaxed, I discovered even more about Cuba from those fortunate enough to visit the country, including a group of Oregon Staters who made the trip in 2015.

By the time I accompanied our alumni tour there in October, my trepidation had given way to a sense of curiosity. Any pre-trip jitters were caused by news that Hurricane Matthew was also visiting the island that week. Luckily the hurricane turned away from our route, which took us into mostly rural areas.

We visited some remote, economically depressed villages. I found lovely people who warmly welcomed our group, erasing the bleak, frightening images from my youth. The people had less material wealth and comfort than we do, yet through our conversations, I learned they were genuinely happy.

We didn't see or hear any expressions of hostility toward Americans. They shared their music, their food and even their homes with us. I was prepared for some lingering backlash

from the decades of ill will between our governments, but that never materialized. They didn't see us as proxies for the government. We were all just regular people sharing stories and smiles.

Don't get me wrong, the Cubans are not happy about the continuing embargo — that's one of the reasons they have all those old cars, which they constantly have to work on, trading engines and other parts to keep them running — but they don't seem to take it personally.

We, as Americans, have one side of the history of Cuba, and of our relationship with the country, and they have another side. It was fascinating to hear more about theirs. It's good to challenge our views by getting a different perspective.

For me it was truly a life-changing experience, and an example of why alumni travel is an ideal option for those who want to explore and keep learning. 🍷

Kathy Bickel

Kathy Bickel,
executive director and vice president of alumni relations

P.S. President Ed Ray will host our next people-to-people trip to Cuba, departing April 9; visit osualum.com/travel for more information.



Association honors six alumni in ceremony

The OSU Alumni Association selected six outstanding alumni for awards this fall, honoring them at an Oct. 28 celebration in the CH2M HILL Alumni Center and during the Oct. 29 Homecoming football game.



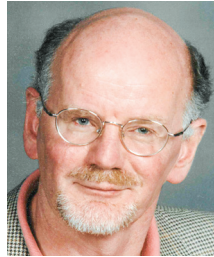
JACKSON DOUGAN '13 received the Young Alumni Award, given to outstanding alumni under the age of 35. He lives in Portland and is an energy analyst

for The Cadmus Group. He is a graduate of the College of Science and the Honors College, earning his degree in integrative biology in just three years. He worked in Ireland, then was appointed as U.S. Youth Observer to the United Nations in 2014-2015. As a youth observer, he focused on policies related to climate change and LGBT rights and traveled with U.S. Department of State officials to international meetings.



ANDY BARTMESS '82 was named alumni fellow of the Honors College and is an alumnus of the College of Engineering. He lives in Revere, Massachusetts,

and is president and co-owner of Dawson Forte Cashmere, a luxury apparel company. An expert in leading turnarounds at struggling companies, he is a member of the Honors College Board of Regents and has been instrumental in setting strategy and expanding support for the college.



HIRAM LAREW '77 '81 was named alumni fellow of the College of Agricultural Sciences. He lives in Upper Marlboro, Maryland, and is retired as a U.S.

Department of Agriculture administrator. As a federal official and in his other pursuits, he dedicated himself to the broad mission of ensuring American expertise and excellence in youth development, natural resource management, disaster preparedness, climate change, crop and animal production and human nutrition.



ERIC MESLOW '91 was named alumni fellow of the College of Education. He lives in Tualatin and is president and CEO of Timbercon, Inc., an industry

leader in "ruggedized" fiber optic solutions. He has devoted countless hours at the state and regional levels to helping develop education programs to provide the U.S. tech industry with the talent it needs. He has chaired the Oregon University System's Engineering and Technology Industry Council, or ETIC, and guided investments of nearly \$30 million in college STEM programs.



KRIS OTTEMAN '82 '86 was named alumni fellow of the College of Veterinary Medicine, and is also an alumna of the College of Agricultural Sciences.

She lives in Camas, Washington, and is director of shelter medicine and humane investigations for the Oregon Humane Society. After operating her own veterinary hospital and co-founding Banfield, The Pet Hospital, she moved to the Humane Society and helped start a shelter teaching program for veterinary students from OSU and beyond, which became the nation's first shelter-based veterinary medicine residency and internship program.



KENT THORNBURG '70 '72 was named alumni fellow of the College of Science. He lives in Portland, and holds the M. Lowell Edwards Chair in the Department

of Medicine at Oregon Health & Science University and directs the OHSU Knight Cardiovascular Institute and its Center for Developmental Health, as well as the Bob and Charlee Moore Institute for Nutrition & Wellness. His widely acclaimed research focuses on cardiovascular physiology, adult-onset chronic disease and maternal-fetal health.

Yuliya Dennis to head association's efforts in career building, online and face-to-face

Yuliya Dennis '10 '12 joined the OSU Alumni Association team on Nov. 1 as director of alumni career services.



She has a bachelor's in history and a master's in college student services administration from OSU, and most recently was admissions coordinator/advisor for the university's School of Electrical Engineering & Computer Science. She previously worked for INTO OSU, the public/private partnership aimed at bringing international students to campus.

Dennis will work to grow the alumni association's career offerings by expanding some current programs and launching new ones tailored to meet alumni needs. OSUAA's career services include online webinars to enhance skills and highlight job trends; in-person networking events; personal resume consultations; business/industry talks and online mentoring.

She was drawn to the job partially because of positive experiences she had while volunteering for the association.

"It's extremely appealing," she said. "I love relationship-building, which seems to be the fundamental role of alumni associations, and I love to help people. I love to inspire or move them to do greater or bigger things."

Dennis added that at first, she plans to ask a lot of questions and listen closely so she can learn what alumni want.

"I want to engage with people who are really passionate about their own professional development and the professional development of others," she said. "I wouldn't want to create a program just for the sake of creating a program, without getting a better sense of what's needed."

The position is highly collaborative, as it must coordinate with the university's central career program and other efforts across campus — in various OSU colleges, in OSU Athletics and elsewhere. Noting that the university is known for its collaborative culture, she acknowledges that the details of a collaboration can be a challenge to work out.

"I'm very comfortable in that space," she said.

Mentoring needs to be part of the career-building process across the span of a person's life, she added.

"At any given moment in time, we all might need mentoring, or we might be mentoring people," she said. There's also work-life balance to consider, as well as the need to encourage flexibility in a job market that is creating and deleting professions at a high rate.

"Part of career services is to help people develop skills that will allow them to be resilient and adaptable.

"I'm pretty excited for it. I think it's going to be fun." 🍌

Meet the 2016–2017 OSUAA Board of Directors

Officers, special representatives:

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Bend

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1st vice president
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Lori Rush '78, business
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Penny Atkins '79, business
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Caldwell, Idaho

Linda Hirneise '75, business
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Portland

Doug Deurwaarder '01, business
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Portland

Daniel Jarman '88, liberal arts
Lake Oswego

John Mohler '81, business
Portland

Mary Bauer Opra '80, business
Keizer

Ryan Smith '95, business
Portland

Ivan Williams '80, engineering
Foothill Ranch, California



Photo by Hannah O'Leary

It was OSU for her from the second grade

Editor's note: This is part of an ongoing series of profiles of students involved in the Student Alumni Ambassadors, a group jointly sponsored by the OSU Alumni Association and the OSU Foundation.

Meet Allison "Allie" Frey:

Where did you grow up?

In Los Gatos, California. It's a fairly small town about 40 miles southwest of San Francisco. It's actually really similar to Corvallis, minus the large university in the middle.

Why OSU?

I decided to come to OSU when I was in second grade. I took a trip up to Oregon with my best friend to visit her grandparents. We stayed in Bend for a few days, but drove through Corvallis on our way to the coast and decided to stop. Both my friend's mom and grandmother attended OSU, so it was an opportunity for her grandmother to show us around her alma mater. We went to a gymnastics meet, got matching OSU sweatshirts and snapped a photo of us in front of the Memorial Union. From that point on, we both decided we were going to OSU when the time to go to college rolled around. When my serious college search began, I couldn't get OSU out of my head. I had to come back and see if I still loved it. And I did.

How close are you to graduating, and what do you plan to do after that?

June 2017! The next step for me is nursing school. I want to be a nurse practitioner, hopefully working in pediatrics.

What has been your favorite class at OSU, and what did you learn in it?

The anatomy & physiology series by far. It's hard for me to express how much I learned in this class, because I don't think I've ever learned more in any other class. Topics range from muscles and bones to every system in the body and how they work together to keep us healthy. I'm actually still involved with the A&P series two years later. I volunteer in lab every term as an undergraduate teaching intern to help facilitate student learning and help students build connections to the material that will help them succeed.

What's the most important thing you've learned outside the classroom?

Simply to connect with people. Professors, peers, alumni, members of the community, it doesn't matter. Be kind and express interest in others. Be a bright spot in someone's day.

What's your favorite place to hang out on campus?

Definitely the MU Lounge. The couches are super comfortable for studying, napping or just taking a break during a busy day. Most days, there will be someone who comes to play the piano and just sitting in that beautiful room with the music is just perfect.

What kind of support do you get from scholarships?

Being an out-of-state student, the scholarship support I get from OSU is one of the main reasons why attending OSU was even a possibility for me. The Provost's Scholarship makes the cost of my education so much more manageable for my family. The yearly requirements to keep my scholarship have also kept me on track to ensure I stay on the four-year graduation plan. The stress reduction from having such a wonderful scholarship is great for both my parents and myself, and makes my experience at OSU much more positive.

Of all the things you could choose to get involved in on campus, why the Student Alumni Ambassadors?

SAA has been one of my favorite campus involvements for sure. I chose to join SAA to be a part of something that was both professional and geared toward the university. I've had the opportunity to attend and volunteer at alumni events like State of the University and President's Circle, as well as events for students like Senior Send-Off.

What would surprise alumni from 10 or 20 or more years ago about what it's like to be an OSU student today?

I think alumni would be surprised to see how much technology is involved in education. From grades, lectures and many of my textbooks, computers and tablets are necessary for every student. I think alumni would be surprised at how much support is available for students on campus. There are seven cultural centers, Counseling and Psychological Services and so many opportunities for help with schoolwork. OSU really focuses on students as people who are here to become the best version of themselves, and not just young adults sitting in lectures. 🍷

For more information on getting involved with the SAA, visit osualum.com/saainterest.



Beavers help out

During the 2016 OSU Community Day of Service, among many projects across the region and nation, alumni and friends of Oregon State assisted residents of the Idaho State Veterans Home in Boise. The 2017 event is set for May 20, and the OSU Alumni Association is looking for projects and volunteers to lead them. For more information, visit osualum.com/service. (Photo by Hannah O'Leary)

UPCOMING EVENTS

FEB

8

STATE OF THE UNIVERSITY

PORTLAND | Oregon Convention Center

Join Oregon State University President Edward J. Ray for a compelling institutional update.

osualum.com/sou

MARCH 2-3

DESTINATION OSU

DANA POINT, CALIFORNIA | Monarch Beach Resort

Thursday reception; Friday awards dinner, including the Dan Poling Award.

osufoundation.org/destinationosu

APRIL 21

SPRING AWARDS

CORVALLIS | CH2M HILL Alumni Center

Celebrate the accomplishments of outstanding members of Beaver Nation.

osualum.com/springawards

MAY 3

STATE OF THE UNIVERSITY — BEND

BEND | Riverhouse on the Deschutes

Join Oregon State University President Edward J. Ray for a compelling institutional update with a focus on OSU-Cascades.

osualum.com/soubend

MAY 20

OSU COMMUNITY DAY OF SERVICE

NATIONWIDE

Give back to your community by participating in a service project. We are currently seeking lead volunteers and service sites.

osualum.com/service

JUNE 8-9

GOLDEN JUBILEE REUNION

CORVALLIS | CH2M HILL Alumni Center

The classes of 1967, 1962, 1957, 1952, 1947 and 1942 are coming back for camaraderie, campus tours and classes without quizzes.

osualum.com/reunions

For more events, visit
osualum.com/events.



OSU Alumni
Association

Both hoops programs look to build on great seasons

By Kip Carlson | Photos by Hannah O'Leary

How do you top a basketball season the likes of which hadn't been seen at Oregon State in over three decades?

That's the question for both OSU basketball programs. In 2016, the women and men made the NCAA tournament in the same season for the first time in 32 years. The women repeated as Pacific-12 champions and made a magical run to the Final Four before losing to eventual national champion Connecticut. The Beaver women finished the season ranked second in the nation. Meanwhile, the Beaver men ended a 25-season NCAA tournament drought after tying for sixth place in the Pac-12.

The accomplishments of both teams in 2016 made Gill Coliseum once again one of the toughest places in the Pac-12 for opponents, with OSU drawing a conference-high average of 4,356 fans for women's home games and the men averaging 6,256. Coaches Scott Rueck and Wayne Tinkle earned contract extensions. Improvements to Gill Coliseum were announced, including better floor level seating and enhanced video and audio systems.

As for the teams themselves, both have momentum, and both also face some rebuilding.



Big shoes to fill on the women's team

The group that graduated after leading Oregon State to the Final Four can rightfully be called the greatest class in Beaver women's basketball history: Guard Jamie Weisner, a first-team All-American and Pac-12 Player of the Year; center Ruth Hamblin, a two-time All-Pac-12 Defensive Player of the Year; guard Deven Hunter and forward Samantha Siegner were all part of the program's multi-year climb from the depths of the Pac-12.

Still, Coach Scott Rueck enters this season with plenty of talent and potential.

"What I'm most excited about is that culture these two (Sydney Wiese and Gabriella Hanson) right here have been a part of in building," he said, referring to the seniors seated beside him at Pac-12 media day. "We've faced the season with a lot of new pieces and a lot of new faces but with a culture that expects success and knows what it takes to get there."

The optimism begins with guard Wiese, a three-time All-Pac-12 first team selection who averaged 12.8 points, 5.7 rebounds, 4.9 assists and 1.4 steals per game as a junior.

Guard Hanson (7.8 points, 3.5 rebounds, 2.9 assists and 1.3 steals per game) is the other returning starter. Junior Marie Gulich (4.1 points, 3.9 rebounds, 0.6 blocks per game), a 6-foot-5 center, was impressive as Hamlin's backup last season and 6-2 sophomore Katie McWilliams was one of OSU's chief reserves, starting 11 games while Wiese was out with an injury early in the season.

Other returners are 6-3 senior Kolbie Orum and 6-3 junior Breanna Brown. A group of freshmen ranked as the nation's No. 16 recruiting class by ESPN will join them, including guards Mikayla Pivec and Kat Tudor and forwards Madison Washington and Janessa Thropay. ESPN rated Pivec No. 26, Washington No. 89 and Tudor No. 93 among the nation's top 100 recruits.

"The championship culture that's been instilled and has grown over these past six years is in place," Rueck said. "We're excited about the challenges to come this year, and I can't wait to watch this group grow together and become a great, great team." 🍌



Men must replace Payton

It wasn't just the longest NCAA Tournament drought in Oregon State history, it was one of the longest in the nation. After 25 seasons without an invitation, the Beavers got into the party and finished 19-13, including 9-9 in the Pac-12 to claim a place in the upper division.

Part of the feel-good story was Gary Payton II leading the charge as his father, Gary Payton, urged him on from the stands. The younger Payton is now with the NBA's Houston Rockets after averaging 16.0 points, 7.8 rebounds, 5.0 assists and 2.5 steals per game his senior season.

Also gone are graduated seniors Olaf Schaftenaar, Jarmal Reid, Langston Morris-Walker and Daniel Gomis. Guard Derrick Bruce opted to transfer after his freshman season and senior-to-be Malcom Duvivier left the team for personal reasons.

That leaves the Beavers with one senior — 7-footer Cheikh N'Diaye — and three juniors, all incoming transfers, to go with five sophomores and four freshmen. The inexperience contributed to OSU being picked ninth in the Pac-12 preseason coaches poll.

"I think 12 of our 13 guys are first- or second-year players," Coach Wayne Tinkle told reporters at OSU's media day in October.

"Early on, we're trying to get to know each other and, more important, lay the framework for how we go about our business, and some of the new guys are not catching onto that as quickly as the others."

Three of those sophomores will need to play huge roles if Oregon State is to approach its success from a year ago: guard Stephen Thompson Jr. (10.6 points per game in 2015-16) and forwards Tres Tinkle (13.1 points and 5.4 rebounds per game) and Drew Eubanks (7.6 points and 4.6 rebounds per game). They were part of one of the nation's top recruiting classes two years ago.

They're joined this winter by a freshman considered one of the nation's top 100 players in his class a year ago, guard JaQuori McLaughlin. Among the transfers is guard Ronnie Stacy as OSU looks to fashion a new backcourt in the absence of Payton and Duvivier.

"We do have concerns that we have a lot of new guys in those positions, but I feel we have the right kind of guys," Wayne Tinkle said. "If we can get them to mature in the preseason, by the time we get to conference play they should be in good shape." 🍌

A day in the life of a football student-athlete

Editor's note: For "Athletes' Journal," we ask Oregon State student-athletes to directly address Beaver Nation on topics chosen by them. The pieces might be edited for length and clarity (true of all pieces in the Stater), but the goal is to let these young people — who represent all of us in the OSU community as they compete — speak in their own voice.

By Marcus Greaves, biohealth sciences; football

Alarms go off in homes and apartments across campus and beyond. Phones light dark rooms as players press snooze just one last time before rolling out of bed. It's 6:15 a.m., time to get ready for another day of being a football student-athlete.

A big difference this year is that we walk into new facilities at the Valley Football Center (thank you, donors) every morning. Through the new athletic training room we go, and through the double doors that form the grand entrance to the new locker room. We are blessed each day to call the Valley Football Center home.

By 7 a.m., players break up into different groups. Some meet and prep for the next game, while others are in the weight room, developing their bodies, training to get bigger, faster, stronger. Each group stays in meetings or lifts until 8 a.m., then they go to the sports performance table to eat breakfast and socialize with other student-athletes.

After breakfast the team goes to the locker room to finish getting ready for practice. This includes preparing for meetings, going to the training facility for rehab or perhaps sitting in the new cold and hot tubs. This is most helpful before practice and games, when we want to perform at our best.

One of the best things about the locker room design is it that it gathers specific position groups in their own areas. The linemen are together, the running backs and so on. This builds stronger bonds within the team, especially with the fellas we train with. Each team member has a locker with power outlets, allowing us to be more organized. There's plenty of room for our gear. Once everyone has taken care of rehab or meetings, the real excitement begins when we return to the locker room before practice.

Pre-practice time has a new feel in the new locker room, as music plays over the new speakers and we laugh and bond over dancing. When Coach Andersen makes his way through the locker room, it's on everyone's mind to try to get him to dance, but none of us has succeeded — yet.

Practice starts at 9:30 a.m. with a walkthrough, then a team stretch. Players focus and get in the right state of mind for the physical and mental challenges they'll face. Some go to special teams drills to hone their skills. Players then break into offense and defense, where they work on schemes to be used in the upcoming game.

There's an applesauce break halfway through to replenish our energy, then we work to maintain our intensity in each and every drill.

Once practice is over players jog off the field to drink Gatorade to recover, while some have media responsibilities. Afterward most of us head to the weight room, where head strength coach Evan Simon and other strength personnel help us recover through mobility work and stretches. Players who don't go to the weight room at this point will lift later and get ready for the day.

One thing that most players can agree on is that the wall in the new facility that's dedicated to Brandin Cooks, a Beaver All-American and current standout for the New Orleans Saints, is inspirational and motivating to all of us.

As the football day ends, the rest of our day begins. The school day starts and players have a full schedule, typically until 8 p.m. Those not in class usually go to study hall to complete homework. We can work with tutors to make sure we excel in our academics.

The life of a student-athlete can be challenging but with the help of the Oregon State Football community and our donors and fans, we have been given the tools to be successful. Go Beavs! 🦊



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online at osubeaverstore.com.



OREGON STATE

'57 Rose Bowl Beavers meet amid turnaround memories



The men who pulled off one of the great turnaround stories in Oregon State athletic history got together on campus this fall, 60 years after the feat. The 1956 Beaver football team won the Pacific Coast Conference championship to earn a spot in the 1957 Rose Bowl; that came just two seasons after the Beavers went 1-8 to finish in the PCC cellar.

A dozen members of that team, including co-captain Gerry Laird and assistant coach Bob Zelinka, reunited in Corvallis the weekend of Sept. 24 when the Beavers played Boise State. The Rose Bowlers led the team on the pregame Beaver Walk.

The 1956 Beavers went 7-2-1 in the regular season, won the PCC title and rose to No. 10 in the national polls before losing the Rose Bowl to No. 3 Iowa 35-19.

Back Earnel Durden and tackle John Witte were named to the All-Coast and All-Pacific Coast Conference teams. Witte also earned consensus All-American acclaim. The 1956 team has been enshrined in the OSU Athletics Hall of Fame. It was just head coach Tommy Prothro's second season at Oregon State.

In 1956, Oregon State opened the season by winning at Missouri 19-13 before losing at No. 6 Southern California 21-13 and at No. 20 Iowa 14-13. The Beavers then won six in a row before

Team members gathered at the CH2M HILL Alumni Center for part of their reunion. Front row, from left: Frank Negri, Frank Lukehart, assistant coach Bob Zelinka, Gerry Laird, Earnel Durden and Ron Daniels. Back row: Bob Milum, Bill Blackburn, Jack Hogan, Joe Wade, Denny Brundage, Jim Brackins. (Photo by Dave Nishitani)

finishing the season with a 14-14 tie against Oregon in Corvallis.

Oregon State's 6-1-1 conference record placed it ahead of USC's 5-2 mark, putting the Beavers in the Rose Bowl for the second time – and the first time ever in Pasadena. The Beavers' first trip to the bowl came in 1941, when Japan's attack on Pearl Harbor forced the 1942 game to be moved to Durham, N.C.

The 1957 Rose Bowl was the first to match two teams that had played each other during the regular season.

On their trip for the game, the Beavers celebrated Christmas at the Miramar Hotel in Santa Monica. One of the guests was legendary announcer Mel Allen, who told Associated Press reporter Hal Laman, "You know, if the critics of football could sit in on parties like this, they'd soon have a change of mind about the so-called boneheads that play this game." 🍷



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Book takes a new look at men of the '42 Rose Bowl

By Kip Carlson

A journey of 75 years began with one brief newsletter notice.

About four years ago, author and sportswriter Brian Curtis was looking through a publication emailed by the Rose Bowl when he saw a “Did You Know ...” blurb recalling that the 1942 Rose Bowl was the only one not played in Pasadena. After Japan’s attack on Pearl Harbor the game was moved to Durham, N.C., where Oregon State beat Duke 20-16.

“That kind of got me piqued, like, ‘Huh, I never knew that before. That’s a fascinating fact,’” Curtis said.

The result of that fascination was *Fields of Battle* (Flatiron Books), published this fall. It recounts the football seasons of the Beavers and Blue Devils and their New Year’s Day meeting, and then chronicles the players and coaches’ involvement in World War II, and their later lives.

After reading the newsletter item, Curtis searched for more about the transplanted Rose Bowl of 1942 but found little. The bit he discovered left him fascinated by the logistics of moving the game and the young players then going off to war.

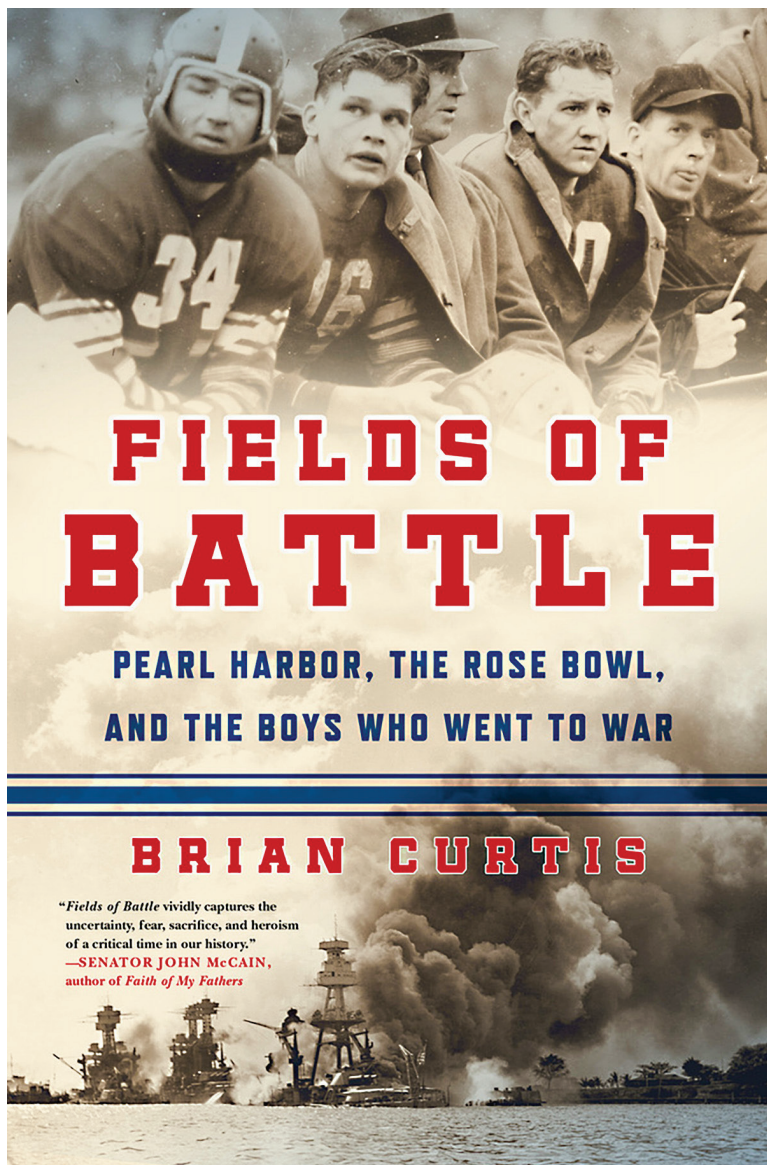
“It was just really attracting me,” Curtis said. “And the more I got into it, the more it was really a human story about some ordinary guys doing some extraordinary things.”

On his seven-and-a-half-decade trip back in time, he found one living person who played in the game: Duke’s Jim Smith. Andy Landforce ’42, a Beaver who made the trip but didn’t suit up for the game, still lives in Corvallis.

Working mostly from Army-censored letters home, newspaper clippings and military records, Curtis weaves a detailed narrative blending biography, social history and military history that includes looks at the contributions of Oregon Staters including Don Durdan, Bob Dethman, Gene Gray, Stan Czech, Frank Parker and Martin Chaves.

All, Curtis feels, were heroes deserving the “Greatest Generation” label bestowed upon them. But, he said, the story’s core is that these were ordinary Americans — and still would be in a time of national emergency — doing the extraordinary, pushing themselves beyond what they thought were their limits.

“When it comes to the football teams ... what these guys carried over into the war from football was that you can always do more, that when you think you can’t do any more, you can,” Curtis said. “And I think those are lessons that can be written about at just about any time.” 🍌





Preparing for a stroll

Members of the incoming Class of 2020 gather on a sunny day at the start of fall term for the annual New Student Walk, in which they line up on the MU Quad and follow the dean of their college across campus to Reser Stadium, where they'll one day receive their diplomas at Commencement. The OSU Alumni Association helps set the mood by handing out graduation tassels. (Photo by Hannah O'Leary)

NEW LIFE MEMBERS

The OSU Alumni Association welcomes alumni and friends who have become life members since the list was last published in the fall *Stater*. Thank you for showing your support with a lifetime commitment to Oregon State. Learn more at osualum.com/life.

Charles Richard Abbey '57	Orvie Allen Danzuka '02	Kristin Beth Komar '01	Leslie Rau
Judy A. Adams	Lawrence Wayne Denfeld '78	Rachael Marie Korbel '16	Carolyn Douglas Reynolds '71
Ronald L. Adams '70	Shari Lynn Denfeld '79	Alyson Kraus '09	Mark A. Reynolds '71
Thomas J. Anderson	Kent E. Doerfler '86	Becky Lou Kuhn '72	David G. Rimbach '58
Michael S. Andresen	C. Loren Doll '64	Teresa L. Kuwahara '94	Barbara J. Rossi-Underriner
Christopher Duane Asplund '16	Rhiannon Marie Downs '16	Arlene Orwick Landwehr '77	Sandra J. Roy '81
Bradley A. Banning '01	Don Ellis '88	William W. Landwehr '75	Kristin E. Cady Russio '03
Daryl Barnes '95	Joyce Lucille Ellis '74	Alex Lara '12	Robert Steven Russio Jr. '02
Ardis Joy Quigley Belknap '73	Nacole Barth Ellis	John A. Larsen '77	Michael Sadlon '11
James E. Belknap '73	Christina K. Estrada '97	Vickey Ewing Larsen '77	Jennifer Lee Schaake '12
Lucas Wayne Betts '02	Scott Michael Finch '15	Robert H. Lawrence '69	James H. Schaeffer '73
Lynn M. Betts	Melva J. Finegan '93	Susan M. Lawrence '71	Mary McLellan Schaeffer '73
Betsy Biller '71	Donna Pendleton Fisher '66	Robert Matthew Leonnig '01	Angela Schock
James M. Biller '71	Robert A. Fisher	Gregory E. Little '73	Michael R. Schock '81
Mary Christine Bird '76	Tama Ann Fisher	Dianna Lynn MacDonald '85	Susan W. Shields
Shelley Ann Bokor '88	Tracy Dean Fisher '95	Eric MacKender '00	Jeffrey David Simon '05
Emily Otis Borges '02	Thomas J. Schuler Flomer '82	Heather MacKender	Nancy Jensen Skirvin '63
Jodi L. Boundy	Amy Beth Fossum '87	Cindy Madden '85	Melinda Martin Sorte '86
Michael C. Boundy '77	David L. Franklin '86	Kenneth J. Madden '85	Seth M. Sproul '97
Angel Leilani Boyles '00	David Joe Gassner '02	James V. Maestretti '89	Jim Starker '04
Birgit Gudrun Bradel-Tretheway	Marika Gassner	Jodi Kae Maestretti '90	Lisa Starker
William R. Brodie '67	James C. Geisinger '75	Robert Gaston Maki '91	Kelly Mikel Stelk '89
Max F. Brugger '08	Marsha L. Geisinger '77	Karen Barnard Martz '72	David B. Stephen Sr. '79
Martha H. Buffington '72	Bethany Diane Gilbert '15	Dustin E. Maurer '13	Leah Stolte-Doerfler '85
Dick Burnham '81	Brendon Gilbert '09	Pamela A. Mayfield '68	Donald R. Stone '60
Robin Hill Burnham '82	Brian A. Glanville '73	John A. McAbel '87	Norma Taylor '76
Joseph W. Burton Jr. '14	Sherry Glanville	Gregg Monroe Miller '82	Jon M. Thorsby
Teri Ellen Calcagno '89	Kristin Nelson Graham '74	Rose Miller	Stephen Gail Tirado '13
Joanne DeMerritt Campbell '55	Deric J. Gray '96	Susan Lynn Miller '76	Jamie Michelle Tofte '08
Juanita Evelyn Chambers '62	Lona Marie Hale '69	Tim Miller '75	David M. Tretheway Jr. '00
David Ryan Chin '10	Gary William Heesacker '67	Kevin B. Moore '76	Becky L. Turner
Elena M. Chin	Judith Darlene Heesacker '69	Suzanne Hardt Moore	Richard Brian Turner '81
Bert Cleary '58	Scott A. Hibbs '84	Aurore Morley '11	David Thomas Underriner '81
Merle Cleary	Beth Judd Higby '63	James Edward Morley '08	Beverly J. VanderPlaat
Karin Conklin-Freitas '80	Paul N. Higby '63	Tass Morrison '67	Cynthia Anne Warnock '84
Daniel Allan Conner '88	Larry Phillip Holbrook '02	Sally Anne Neff '82	Mark B. Weaver '92
Christine Burt Cook '67	Mark Wayne Hope '76	Debra Martha Nelson '87	Tonetta Ann Weaver
Naomi Shane Cooper '97	Valerie A. Hope	Gretchen Hohn Olson '70	Jay Neal Wilt '75
Cheryl L. Cowgill '08	Ronald J. Howard '72	Philip R. Olson '70	Mark C. Wirfs '71
Michael G. Cowgill '75	Barbara Kay Hoy '74	Robert J. Olson '68	Donald R. Wirth '68
Christie Schelling Craske '82	Josie Hubbard '14	Rajeev Kumar Pandey '91	Maryanne Scott Wirth '69
W. Don Craske III '81	Kirk R. Hutchinson '80	Sheri R Parker Pandey '94	Julie Carol Wright '73
Kent M. Crawford '79	Debbie Jenkins	Douglas Lee Park '83	Gaw-Tzu Wu '68
Paula J. Crawford	Peter Lynn Jenkins '83	R. Mike Phelps '76	Kevin Y. Xu '89
Danielle Christine Cyrus '03	George Daniel Johnson '55	Terri L. Phelps	Carol F. Young '81
Grant Cyrus '04	Valerie Jean Kelly '09	Candice Slack Piazza '69	William Clyde Young III '81
	Margaret Wagner Kessel '53	Stephen P. Piazza '69	Gary D. Zimmerman '56
	John Norman Koch '98	Deborah Raber '84	Bruce Edward Zuber '78
	Rosane Koch	Fred Rau '68	

CHANGES

Rex Force '89 is vice president for health sciences at Idaho State University-Meridian. ISU offers undergraduate and graduate programs in the health professions to the citizens of southwestern Idaho.

Peter Wakeland '95 is chief forester of the U.S. Bureau of Indian Affairs in Washington, D.C., where he oversees agency management and budgets for all tribes with forests across the United States. He also heads Bureau of Indian Affairs wildland firefighting.

Renae Davis '96 is a partner at Ernst & Young LLP, Portland. She is a member of the tax practice, assisting clients in supporting their research credit claims. **Elizabeth Barker Howard** '98 is the group leader for Natural Resources at Schwabe, Williamson & Wyatt, one of only six such positions in the firm. Howard brings 15 years of experience practicing natural resources law and helping agriculture, forest product and energy businesses navigate regulatory processes and succeed in legal proceedings.



Cierra Eby Atkinson '11 was chosen by the Knowles Science Teaching Foundation as a member of its 2016 cohort of teaching fellows. She teaches earth science and physics at Del Mar High School in San Jose, Calif. Before transitioning to the teaching profession, Atkinson worked as a staff geotechnical engineer at Engeo Inc.

RECOGNITIONS



Donald Grim '74, a partner with the firm Greene & Markley, P.C., was honored in the 2016 issue of *Oregon Super Lawyers* magazine.

The publication identifies the top five percent of attorneys in the state, as chosen by their peers and through the research of *Super Lawyers*, which is a Thomson Reuters business. Grim concentrates his practice on tax controversies, estate planning and probate, and bankruptcy.



Michael Rosenberg '82, a building codes scientist at the Department of Energy's Pacific Northwest National Laboratory in Richland, Wash., has been elected

to the rank of fellow of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, for achievements in energy codes and standards for efficient buildings. He led an effort to create and advance new methods for performance-based code compliance, establishing baseline and targets that encourage and reward good design choices for energy efficiency. It is considered one of the most significant changes in performance-based energy code compliance in 25 years.

Luke Betts '02, The Dalles, a senior safety management consultant for SAIF in eastern Oregon, was honored as the 2016 Safety Professional of the Year by the Columbia-Willamette chapter of the American Society of Safety Engineers. This award is presented annually for

outstanding leadership and service in safety.

Bridget Burns '04 '11, Portland, was named by *Washington Monthly* as one of the "Sixteen Most Innovative People in Higher Education." She founded the University Innovation Alliance in 2014 and is its executive director. The 11 member schools — all large public universities, from Oregon State to the University of Texas at Austin — collaborate on solutions to the obstacles facing low-income, first-generation and minority students. During this academic year, member schools will launch an unprecedented randomized controlled trial to measure the effectiveness of analytics-based advising programs. Burns received the OSU Alumni Association's Young Alumni Award in 2012.

PUBLISHED

Janet Fisher '62, Oakland, has written a historical novel, *The Shifting Winds*. It is set in 1842 in the beginning days of Oregon City.

Mike W. Russell '78 and his wife, Trisha Michael, have a healing arts clinic in Beaverton and have written a book, *A Journey of Discovery Through Intuition with Help from the Angels*.

Elizabeth Bailey '84, Manhattan Beach, Calif., has authored a book, *Step Up! How to be an Excellent Nonprofit Board Member*. She is co-founder and principal at 2B Communications with more than

25 years of experience working with nonprofits and professional and trade associations.

Meredith Carlin First '87, Long Lake, Minn., has written a book called *Gridley Girls* based on her experiences growing up in Gridley, Calif. It focuses on a group of four girls and their bonds of friendship that endure for more than 30 years.

Dianne Kaye Carter '88 '90, Roseburg, has written a novel, *Misled*, based on her years of work as a youth worker, addictions counselor, family therapist and a special HIV case manager.

Megan Westfield '03, El Cajon, Calif., has written a book set in Yosemite National Park called *Lessons in Gravity*. The novel tells the story of a woman working on a rock climbing documentary with dreams of becoming a filmmaker.

Matthew D. Robinson '13, Portland, is author of *The Horse Latitudes*, a novel that follows a Cavalry platoon throughout their deployment to Baghdad, early in the Iraq war. He served six years in the Oregon Army National Guard, deploying to Iraq in 2004.

GATHERINGS

Gerry Reese '74, Tigard, reports that alumni and undergraduate members of Lambda Chi Alpha fraternity will celebrate their 100th year anniversary on the Oregon State campus during 2017. The celebration will culminate in a dinner at the Multnomah

Athletic Club in Portland on April 22. For more information, contact Reese at gr862@comcast.net.

OTHER NOTES



Jary Krauser '85 summited Mt. Kilimanjaro in Tanzania in July with his son Jaden Krauser. Kilimanjaro is the highest mountain in Africa and the tallest free standing mountain in the world at 19,341 feet.

Hüsnü Özyeğin '67 is featured in a video series by Harvard Business School, where he received an M.B.A. In it he explains various management principles he employed in

establishing and leading one of Turkey's largest financial services companies. See it at hbs.me/2eEQhhX.



Jeffrey Garmire '14, Vancouver, Wash., completed the Triple Crown of Thru-Hiking (almost 8,000 miles) this summer to raise awareness for suicide prevention (freeoutside.com). He hiked the Appalachian Trail, the Pacific Crest Trail and finally the Continental Divide Trail.

Alumna helps Ecampus students find success

When it comes to helping others through her job as an Oregon State University Ecampus student success counselor, Theresa Harper '02 '06 is able to put herself in their shoes to find the best solutions for them.

Not only is Harper a two-time Oregon State alumna, she has experience learning online and is a so-called "career-changer," like many of the students she serves. As a student success counselor, she helps students work through topics such as time management and prioritizing.

"I like to start with a really honest look at what other things besides school students have going on, and then talk about how many hours are left," she said. "There are only 24 hours in the day, and for most of us, taking classes takes time away from some other commitment, whether that is family, work, hobbies or health and wellness. Finding the balance that makes you feel successful in all the areas you value is tricky and can take some time, almost always more than a single term."

A national leader in online education, OSU Ecampus created the student success team as a way to support the diverse group of students who are transitioning to online learning and, in many cases, making the jump back into college after being away from school for a significant period of time.

The student success counselors provide academic counseling services for undergraduate students to help them improve academic skills, identify resources and address obstacles to academic success at Oregon State. Appointments are tailored to a student's specific needs, often including topics of work-

life balance, stress management, goal-setting and identifying support resources.

Once an online student herself, Harper knows firsthand what it's like to balance school with family and work.

"With two kids (now three), it was nice to work on my courses in the evening so I didn't feel like I was missing out on too much family time," she said. "Having had the experience of being a parent, student and an employee all at once helps me understand the challenges faced by many of our students who truly do not have enough hours in the day to do everything they want to do well."

Harper earned a bachelor's in civil engineering and a graduate certificate in college and university teaching via conventional studies at OSU, a master of arts in teaching via OSU Ecampus, and a master of science in academic advising online from Kansas State University.

Prior to working for OSU Ecampus, Harper was an academic advisor for OSU civil engineering students. She has also worked overseas in Sasebo, Japan, as a Navy education services officer, where she helped connect sailors to correspondence courses. Harper began her professional experience

working in K-12 classrooms, mostly in Toledo, Oregon.

As she encourages students to find a work-life balance, she practices what she preaches at home, spending time relaxing and recharging while reading and enjoying dedicated family time. 🍷

— Heather Doherty, marketing communications manager for OSU Ecampus



PASSINGS | ALUMNI

Margaret Porter Melquist '38, Pomeroy, Wash.
Harland L. Pratt '38, Corvallis. *Alpha Gamma Rho*
Ruth Anderson Copenhagen '39, Portland. *Sigma Kappa*
Jean Botsford Dillard '40, Bend. *Pi Beta Phi*
Mae DeLong Glockner '40, Roseburg. *Alpha Delta Pi*
Ernest J. Lathrop '40, Bend.
Dolena Ingle Lewis '40, Portland. *Kappa Delta*
Florence Schrepel Long '40, Shoreline, Wash.
Lee A. Wells Jr. '40, Olympia, Wash. *Delta Tau Delta*
Marjorie Fairclo Brissenden '41, Salt Lake City, Utah. *Delta Delta Delta*
V. Bob Erickson '42, Portland. *Kappa Sigma*
Joseph Jaeger '42, Jefferson City, Mo. *Delta Sigma Phi*
V. Betty Winniford Udell '42, Lebanon.
William J. Baker '43, Eugene. *Phi Sigma Kappa*
Winston E. Banko '43, Seattle, Wash.
Barbara Dorris Billo '43, Newport. *Kappa Kappa Gamma*
Mary O'Keefe Howard '43, Boise, Idaho.
John H. Kilbuck '43, Carlsbad, Calif. *Beta Theta Pi*
Theodore N. Morris '43, Redmond.
Frank A. Turner '43, Beaverton.
Barbara Bruck Krieg '45, Eagle Creek. *Alpha Gamma Delta*
Pauline Putman Cater '46, Keizer.
Marilyn Litch Johnson '46, Wallowa. *Delta Zeta*
Marvine Jenks Benedict '47, Seattle, Wash. *Alpha Xi Delta*
Leland P. Johnson '47, Fairview. *Sigma Phi Epsilon*
Phyllis McCormack Moore '47, Portland.
Barbara Husbands Myers '47, Mount Vernon, Wash. *Delta Zeta*
Gordon A. Powell '47, Seaside. *Phi Delta Theta*
Martha Smith Stark '47, Corvallis.
Bob R. Adams '48, Corvallis. He was named Oregon Civil Engineer of the Year by the American Society of Civil Engineers in 1978 and inducted into the OSU College of Engineering Hall of Fame in 1999. He was a member of the OSU Alumni Association board, President's Club, Beaver Club, 30-Statens, Corvallis-OSU Symphony Society and Music Association. *Sigma Phi Epsilon*
Doris Siefarth Amort '48, Vancouver, Wash. *Pi Beta Phi*
Byron F. Evans '48, Saratoga Springs, N.Y.

Marie Cox Low '48, Clyde Hill, Wash. *Sigma Kappa*
Buford "Buff" Roach '48, Eugene.
Allan J. Schultz '48, Kissimmee, Fla.
Joyce Johnson Ward '48, Lake Oswego. *Pi Beta Phi*
James G. Wilson '48, Asheville, N.C. *Delta Tau Delta*
Maurine Kimel Blackwell '49, Raymore, Mo.
Ralph S. Davis Jr. '49 '66, Portland. *Phi Delta Theta*
Beth Smith Lee '49 '62, Lakewood, Colo. *Alpha Omicron Pi*
M. John Loosley '49, Roseburg. Owner of the Roseburg Paving Company for 45 years, he was inducted into the OSU College of Engineering Hall of Fame in 2006. *Lambda Chi Alpha*
Glenn E. Mortimore '49, Towson, Md.
Richard K. Nielsen '49, Manhattan Beach, Calif. *Alpha Sigma Phi*
Richard L. Owen '49, Salt Lake City, Utah. *Sigma Alpha Epsilon*
Gerald L. Partain '49, Bayside, Calif.
Wayne C. Phillips '49, Corvallis. *Beta Theta Pi*
James W. Allison '50, Dallas. *Kappa Delta Rho*
Stanley F. Bacon '50, Marina del Rey, Calif.
Donald S. Black '50, Tucson, Ariz.
Richard D. Fisk '50, Boise, Idaho.
Willis R. Grafe '50, Woodburn. *Sigma Nu*
Robert V. Hale '50, Reno, Nev. *Phi Gamma Delta*
Richard R. Hall '50, Neskowin.
Hubert E. Hendrickson '50, Bellevue, Wash.
Clarence W. Jacobs '50, Beaverton.
Charles H. Kipper '50 '56, Corvallis.
Wendell A. Kirk '50, Buckley, Wash. *Lambda Chi Alpha*
Joseph H. Lauby '50, Prosser, Wash.
G. Bain Low '50, Clyde Hill, Wash. *Theta Xi*
Richard M. Olson '50, Oceanside, Calif.
Charlene Ernst Meyer Petrie '50, Fairview. *Alpha Gamma Delta*
Archie M. Timmons '50 '55, Vancouver, Wash.
William M. Wane '50, Portland.
G. Jerry Winterbotham '50 '65, Keizer.
William J. Wolverton '50, West Linn. *Sigma Chi*
Don H. Berryhill '51, Vancouver, Wash.
Jack R. Borsting '51, Palm Desert, Calif. *Beta Theta Pi*
F. Bob Hedges '51, Portland. He managed several Portland-area golf clubs and was president of the Club Managers Association of America. He founded The Distinguished

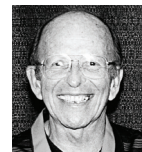
Clubs of the World, an 85-member group consisting of 100-year-old traditional private city clubs. *Phi Gamma Delta*
Donald J. Hendrickson '51, Rockwall, Texas. *Delta Upsilon*
I. Mike Huddleston '51, Stayton. *Sigma Nu*
Robert M. Keesling '51, Richmond, Ind.
Bernard E. Kreft '51, Fresno, Calif.
William E. Krieg '51, Eagle Creek.
Ovid G. Long '51, Independence.
Curtis F. Myrick '51, Portland.
Jack E. Shearer '51, Lacey, Wash. *Acacia*
G. Ken Storey '51, Vancouver, Wash. *Phi Sigma Kappa*
Vern L. Weiss '51, Portland. *Alpha Gamma Rho*
James L. Ammon '52, Salem.
Miriam Morse Ausmus '52, Dillon, Mont.
C. Dick Irby '52, San Diego, Calif. *Kappa Sigma*
Delores Boyd Oakley '52, Lafayette, Calif. *Kappa Delta*
Pete J. Palumbis '52, Lake Oswego. *Sigma Alpha Epsilon*
Keith Petrie '52, Boise, Idaho. *Phi Gamma Delta*
Nancy Wells Ritter '52, Bellevue, Wash. *Pi Beta Phi*
Arlon R. Tussing '52, San Mateo, Calif.
Dolores Shumway Wells '52, Hood River. *Alpha Xi Delta*
Gill C. Wright Jr. '52, Alma, Neb. *Sigma Alpha Epsilon*
W. Lee Foust Jr. '53, Corvallis.
Roy F. Kessler '53, Renton, Wash.
John E. Postlewaite '53, Burien, Wash. *Theta Xi*
G. Bob Schwarz '53, West Linn.
Marilyn Sawtell Behrends '54, Mulino. *Alpha Gamma Delta*
Kirby E. Brumfield Jr. '54, McMinnville. He was a TV broadcaster on KATU Portland in the '60s and '70s and was cast in many prime time TV shows including *Batman*, *The Green Hornet*, *Jessie James*, *FBI* and *General Hospital*, as well as many biblically based performances throughout the U.S. *Sigma Chi*
Roland B. Field '54, Ketchum, Idaho. *Kappa Sigma*
Jean G. Hobart '54, Renton, Wash.
Edward G. Packer '54, Corvallis. *Phi Delta Theta*
Miles "Satch" Richmond Jr. '54, Gold River, Calif. He served on the OSUAA board and was principal and director of special education at Miles P. Richmond School in Sacramento, Calif. *Sigma Chi*
James E. Whiteley '54, Lake Oswego. *Sigma Phi Epsilon*

PASSINGS | ALUMNI

Richard P. Conklin '55, Portland. *Alpha Tau Omega*
Howard R. Enbys '55, Anchorage, Alaska. *Lambda Chi Alpha*
Dale W. Glasgow '56 '61, Underwood, Wash.
Carolyn Root Hegstad '56, Long Barn, Calif.
Maribeth Plogg McDaniels '56, Portland.
Robert L. Polvi '56 '58, Salem. He was former president of Bechtel Civil Company, president of the U.S. Commission on Large Dams and was inducted into the OSU Engineering Hall of Fame in 1999. *Alpha Gamma Rho*
Ernest T. Tucheck '56, Spokane, Wash. *Phi Sigma Kappa*
Andrejs Udris '56, Bellevue, Wash.
Chong Y. Yoon '56, Portage, Mich.
Neil W. Baker '57, Lake Oswego. *Phi Delta Theta*
William E. Bergstrom '57, Vancouver, Wash.
Jerry J. Calhoon '57, Gig Harbor, Wash. *Sigma Alpha Epsilon*
George J. Ehlers '57, Seal Rock.
Gary E. Godfrey '57, Hillsboro.
Vivette Sparling Green '57, Vancouver, Wash. *Delta Delta Delta*
C. Wes Hamilton '57, Yreka, Calif.
William H. Hamlin '57, Leander, Texas.
Donald M. Kemmerich '57, Woodburn.
Colleen Baum Krupa '57, Wyomissing, Pa.
H. Dale Piercy '57, Lakewood, Wash. *Sigma Alpha Epsilon*
Lawretta Goudy Ray '57, Milwaukie. *Kappa Delta*
William E. Trent '57, Fairfax, Va. *Phi Sigma Kappa*
Ronald E. Young '57 '59, La Grande.
John H. Best '58, Grants Pass.
Darrel R. Brown '58, Marcola.
Donald E. Clay '58, Berthoud, Colo.
Dr. Thomas R. Conklin '58, Albany. *Kappa Sigma, Theta Chi*
Carlton T. Conner '58, North Bend. *Kappa Delta Rho*
Patrick M. Conway '58, Sacramento, Calif. *Tau Kappa Epsilon*
Tom Y. Endo '58, Claremont, Calif.
Richard J. Hopeman '58, Media, Pa.
Gene A. Katke '58, Portland.
Cecil L. Koberstein Jr. '58, North Bend. *Delta Sigma Phi*
Robert J. Larwood '58, San Mateo, Calif. *Pi Kappa Phi*
Maynard M. McCourry '58 '63, Portland.
Thomas R. Pickens '58 '64, Salem. *Sigma Nu*
Carl A. Romtvedt '58, Sedro Woolley, Wash.

Gerald K. Eskew '59, Albuquerque, N.M.
Merlin E. Fischer '59, Keizer. Known to many as "The Berry King," he was a generous contributor to the OSU food science program and mentor to many of its graduates. *Alpha Gamma Rho*
C. Vern Haley '59, Deerfield Beach, Fla. *Sigma Alpha Epsilon*
Mits M. Okazaki '59, Des Moines, Wash.
David K. Rinell '59, Kaneohe, Hawaii. *Delta Sigma Phi*
Phillip L. Sturholm '59, Bothell, Wash.
Peter P. Tong-Lao '59, Mercer Island, Wash.
Theodore W. Vorfeld '59, Mill Valley, Calif. *Pi Kappa Phi*
Ralph L. Williams Jr. '59, Fremont, Calif. *Tau Kappa Epsilon*
Daniel Favero '60, Ogden, Utah.
Thomas M. Groutage '60, Cartersville, Ill.
Janis Gascoigne Hoisington '60, Aloha. *Alpha Phi*
Gary O. Lozier '60, Eagle Point. *Alpha Gamma Rho*
Larrie L. Pierson '60, Altamonte Springs, Fla.
K. C. Shaw '60, Portland. *Alpha Sigma Phi*
Thomas J. Williams '60, Corvallis.
Margaret Moore Brennan '61, San Francisco, Calif. *Kappa Alpha Theta*
Dr. Richard F. Buchanan '61, Anchorage, Alaska. *Sigma Phi Epsilon*
Gene T. Ginther '61, Eugene. *Delta Chi*
Chuan-Pu Lee '61, Detroit, Mich. She was a distinguished professor emeritus of biochemistry at Wayne State University School of Medicine. She was awarded with both an honorary doctorate of philosophy and a life tenure of docentship in physiological chemistry from the University of Stockholm. From 1982 onwards, she was regularly invited to submit nominations for the Nobel Prize in Chemistry by the Royal Swedish Academy of Sciences.
Richard R. Saxton '61, Beaverton. *Sigma Alpha Epsilon*
Richard A. Treadwell II '61, McMinnville. *Sigma Alpha Epsilon*
M. "Gee" Hodgins Walter '61, Portland.
Gilbert Adams '62, Keizer.
Kathleen Walker Ball '62, Warrenton. *Alpha Gamma Delta*
Douglas B. Gilson '62, Washougal, Wash.
James H. Hamner '62, Redmond. *Alpha Sigma Phi*
H. Steve McCue '62, Anaheim, Calif. *Delta Tau Delta*
Walter O. Baglien '63 '64, Portland.
Jack C. Kempf Jr. '63, Boise, Idaho.

Charles W. Merrill '63, Beaverton. *Kappa Delta Rho*
Fredrick A. Weber Jr. '63, Vancouver, Wash. *Pi Kappa Alpha*
Ronald L. Finley '64 '68, Eugene. *Phi Sigma Kappa*
Walter L. Gould '64, Peoria, Ariz.
Ann Johnson Hall '64, Tualatin. *Pi Beta Phi*
Gary H. Lindland '64, Oregon City.
Beatrice Slyh Mandemaker '64, Salem.



William A. Manning '64, Portland. As senior class president, he chaired all the 1964 class reunions including the 2014 Golden Jubilee. He taught in the School of Business at Portland State University for 30 years, published eight textbooks on information technology and was Volunteer of the Year for the Portland Rose Festival in 2012. *Alpha Tau Omega*
Suzanne Lathrop Olson '64, Ivins, Utah. *Delta Gamma*
David E. Strong '64, Inman, S.C. *Lambda Chi Alpha*
Marcia Johnson Fischer '65, Bellevue, Wash.
Diane Lund Forde '65, Mukilteo, Wash.
Howard L. Johnson '65, Lebanon.
James D. McMullen '65 '69, Silver Spring, Md.
Dr. Julian T. Parer '65, Kentfield, Calif.
Chadric A. Pugh '65, Madras.
Gary L. Abercrombie '66, Aberdeen, Idaho.
Michael C. Grimes '66, Beaverton. *Kappa Sigma*
Ronald L. Johnson '66, Niles, Mich.
John D. Mills '66 '70, Junction City.
Weldon H. Reese '66, Plainview, Texas.
Nancy A. Kelly '67, Acworth, Ga.
Roger D. Lovitt '67, Shelton, Wash.
Laurel Danner Neighorn '67, Lincoln City.
Colin J. Sandwith '67, Black Diamond, Wash.
David A. Wilson '67, Sylva, N.C.
Jack C. Howerton '68, Tenino, Wash.
Gary R. Norton '68, Oregon City.
Paul G. Wares '68, Baker City.
Jan M. Blakely '69, Portland. *Sigma Alpha Epsilon*
Edmund R. Casillas '69, Las Cruces, N.M.
James A. McManus '69 '74, Jefferson.
Thomas A. Neyhart '69, Springfield.
Nancy Voruz Rhodes '69, Portland.
Douglas S. Robertson '69 '70, Lake Oswego. He was a founder of the Native Fish Society and played a central role in the transfer of 12 miles of land on the lower Deschutes River from private to public ownership. *Beta Theta Pi*

PASSINGS | ALUMNI

David P. Taylor Jr. '69, Mercer Island, Wash.
 Ernest F. Wilson '69, Redmond, Wash.
 Corrine Reinertson Bunyard '70, Coos Bay.
 Arthur S. Hoversland '70, Middletown, Md.
 Cheng-Fan Lo '70, Vancouver, Wash.
 Tony A. Hurliman '71, Cloverdale.
 Robert E. Anderson '72, Gresham.
 John C. Mickelson '72, San Francisco, Calif.
 Darrell L. Ricksger '72, Hubbard.
 Leonard F. See '72, Vacaville, Calif.
 Kenneth R. Stillinger '72, Albany.
 Robert L. Wilder '72, Lacey, Wash.
 Charles N. Yonamine '72, Waianae, Hawaii.
 Curtis P. Young '72, Snohomish, Wash.
 Michael V. Brown '73, Columbia City.
 Carola Stone Ericson '73 '75, Vancouver, Wash.
 David W. Evans '73 '77, Morehead City, N.C.
 Andrew E. Fitterer '73, Puyallup, Wash.
 Gordon M. Howse '73, Sault Ste. Marie, Ontario, Canada.
 Carol Brenne Pike Sampson '73, Lake Oswego. Contributions may be made to the Carol Brenne Sampson Information Technology Scholarship Fund at osufoundation.org.
 Marilyn Carter Spear '73, Portland. *Pi Beta Phi*

Thomas F. Staible '73, Denver, Colo.
 Mariel Olson Trapani '73, Depoe Bay.
 James A. Abercrombie '74, Ypsilanti, Mich.
 Gerald J. Kuhl '74, Ridgefield, Wash.
 Virginia M. Asan '75, Greenacres, Wash.
 Geraldine Walker Edwards '75, Kennewick, Wash.
 Richard C. Embree '75, Corvallis.
 Marc Q. Huey '75, Byron, Ill. *Chi Phi*
 M. "Spike" Jones '75, Seal Rock.
 William P. Mumford III '75, Portland. He was ASOSU president in 1975-76.
 Edward D. Rademacher '75, Sugar Hill, Ga.
 Richard A. Polehn '76, Richland, Wash.
 Sr. Margaret E. Spiller '76, Wilmington, N.C.
 Glenn D. Koppang '77, Salem.
 Eugene E. Merwin '77, Kennewick, Wash.
 David L. Cates '78 '84, Azusa, Calif.
 Sr. Maureen B. Kalsch '78 '84, Beaverton.
 Heidi Linden Lansdowne '78, Bend.
 Hardi K. Liauw '78, Falmouth, Maine.
 Raymond D. Swee '78, Redmond.
 Kathleen Moran Bradach '79, Portland.
 Floyd W. Cone '79, Klamath Falls.
 Richard A. Musco '79, Las Vegas, Nev.
 Donald J. Plagens '79, Pellston, Mich.
 Duane C. Wollmuth '79, Waitsburg, Wash.
 James D. Bernards '80, Saint Paul.
 Alan R. Huggins '80, Vashon, Wash.

Scott A. Schultz '80, San Francisco, Calif.
 Dale M. Trusler '81, Phoenix, Ariz.
 Lynne Goldman Vagt '82, Oak Harbor, Wash.
 Julie Pahl Wunderlich '82, Pendleton.
 John R. Reimers '83, Tidewater.
 Ross P. Coblens '88, Portland. *Tau Kappa Epsilon*
 Lisa Hall Bass '90, Lebanon.
 Kent A. Johnson '93 '97, Washougal, Wash. *Phi Gamma Delta*
 Karen Kozak Schmitt '93, Maple Valley, Wash. *Alpha Chi Omega*
 Lisa L. Lesh '94, Fort Collins, Colo.
 Martin R. Wooldridge '94, Salem.
 Nicolasa Diaz Mohs '95, Brooks.
 Ronald J. Hupp '99, Ashland.
 L. Brian Olsen '99, Newberg.
 Angela S. Conrad '00, Oregon City.
 Jeannie Pearson Harris '03 '04, Sandpoint, Idaho.
 Daniel K. Jones II '08, Lebanon.
 Michael D. Logan '10, North Plains.
 Timothy G. Patrick '12, Lake Oswego.
 Guy T. Simer '12, Tygh Valley. *Alpha Gamma Rho*
 Tiffany Curtis Harris '13, Prineville.
 Matthew P. Ragan '13, Bend.
 Debra J. Bricco '14, Albany.



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NORTHERN CALIFORNIA
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 Association

PASSINGS | ALUMNI

Amy Frohnmayer Winn '16, Bend. The youngest daughter of late University of Oregon president and Oregon attorney general Dave Frohnmayer and his wife Lynn, she was the third Frohnmayer

daughter to lose a battle with Fanconi anemia. She graduated from OSU-Cascades in June with a master's degree in clinical mental health counseling.

John T. Chambers, Salem. He was a sophomore in the College of Public Health and Human Sciences and a member of the soccer team.

PASSINGS | FACULTY & FRIENDS

Diane S. Aiello, Roseburg.

Marlin Allen, Salem.

Jens A. Andersen, Bend.

Linda L. Anderson, Clackamas.

William W. Ashley, Corvallis.

Dolores H. Atiyeh, Portland.

Lewis C. Bailey, Ann Arbor, Mich.

Warren L. Baker, McMinnville.

Valeria Costa Ball, Roseburg.

Margery Barrett, Portland.

Alan Bates, Medford.

Norma Carothers Benski, Oregon City.

Albert J. Berglund '92, Corvallis. He was an equipment systems specialist at OSU.

Morris H. Bergman, Salem.

John C. Bigelow, Woodinville, Wash.

Grace Biggs, Veneta.

Broughton H. Bishop, Portland.

Ronald J. Bishop, Ridgefield, Wash.

Elinor Bjorklund, Portland.

Bruce L. Bonneau, Chico, Calif. *Kappa Delta Rho*

Verl K. Boroughs, Albany.

Jamie Borzy, Independence.

Kent D. Bowerly, Redmond. *Alpha Tau Omega*

Shirley M. Boyd, Salem.

Viola Rinne Brockschink, Portland. *Kappa Delta*

Irene W. Brown, Fall City, Wash.

Sue Cannard, Camas, Wash.

David B. Carmichael, Corvallis. He was an electrician in the facilities services department.

Patricia Carmody, Issaquah, Wash.

Inez J. Carter, Portland.

Mary W. Case, Vancouver, Wash.

Nancy Cassady, Lewis Center, Ohio.

Robert W. Chandler Jr., Sisters.

Earle M. Chiles, Portland. He was a former trustee with the OSU Foundation and served on numerous statewide boards.

Melvin W. Chow, Honolulu, Hawaii.

Evelyn E. Clink, Gresham.

Reatha S. Coats, The Dalles.

Linda L. Cochran, Pittsburg, Calif.

Elizabeth J. Coffman, Mulino.

Katholyn Collins, Portland.

Virginia P. Conn, Monroe.

Dorothy Coon, Jackson, Wyo.

Richard M. Coots, Eugene.

Everett Cutter, Clackamas.

Aileen D. Davis, Oakhurst, Calif.

Lee Day, Warren.

Duane A. Dennis, Seattle, Wash.

Ellen Tan Drake '76 '81, Bend. She was a research associate in marine geology.

Barbara Drew, Henderson, Nev.

Shirley Cutler Drew, Polson, Mont. *Delta Delta Delta*

Carol S. Dumond, Eugene.

Florence H. Dunn, Santa Barbara, Calif.

Barbara Lengacher Eade, Sammamish, Wash. *Kappa Alpha Theta*

Samuel L. Eddy Jr., Brentwood, Calif. *Alpha Tau Omega*

James M. Edwards, Eugene.

Hugh Ellsworth, Milwaukee.

Pearl Embree, Salem.

Carol S. English, Vaughn, Mont.

David T. English, Federal Way, Wash.

Jerry R. Erickson, Keizer.

Judith C. Erickson, Corona, Calif.

William K. Ferrell, Corvallis. He was a forest ecologist and long-time College of Forestry faculty member.

W. Rod Fielder, Brownsville. He was a professor emeritus in the College of Education.

Victor Figarelli, Phoenix, Ariz.

Albert Garlinghouse, Cardiff-by-the-Sea, Calif.

C. Jim Garrison, Philomath. He worked in ocean engineering department.

Anna M. Gibbs, Salem.

Jerry D. Giesy, Portland.

Ruth Stone Glaser, Anacortes, Wash.

Gerald J. Gleicher, Corvallis. He was a faculty member emeritus of the chemistry department.

Phillip H. Goulet, Salem.

Don F. Grabe, Sisters. He served as a professor for many years in the crop science department.

Herschel Greenwade, Salem.

Alexander N. Gunn II, Sacramento, Calif.

Miram Y. Hamakawa, Honolulu, Hawaii.

Shirley E. Hansen, Portland.

Judy Hanshue-Lozano, Butte Falls.

Lowell S. Hardin, Lafayette, Ind.

David R. Hatch '76 '78, Siletz. He taught in the Transportation Research Institute at OSU and started the student chapter of the American Indian Science and Engineering

Society in 1981. He served as a tribal councilman for the Confederated Tribes of the Siletz Indians of Oregon.

Dorothy Watkins Hawkins, Corvallis. From 1958 until 1982 she was part of the Office of International Education at OSU. She took a personal interest in students from around the world, enriching their lives and the lives of her family.

Shane P. Haydon, Oregon City.

Patricia Quinn Hayworth, Harrisburg.

David Heinlein, Hillsboro.

Edward Henney, Walnut Creek, Calif.

Herbert L. Hergert '51 '54, Alloway, N.J. He was an assistant professor in the College of Forestry.

Barbara Herndon, Vancouver, Wash.

William Heyenbruch, Auburn, Calif.

Paul A. Hilgendorf, Battle Ground, Wash.

Lillian M. Hill, Condon.

Wendell Holst, Hopkinsville, Ky.

Harriette Huff, San Jose, Calif.

Jessie Hunnicutt, Corvallis.

Charles Hussey, East Wenatchee, Wash.

Doug Irvine, Roseburg.

Fran Jabara, Wichita, Kan.

Gary D. Jarman '59 '62, Corvallis. For 35 years he was employed as a scientific instrument technician in soil science, atmospheric sciences and in the computer center.

Denis Jarvis, Corvallis.

V. Chris Jeppsen, Corvallis. He was an assistant professor in the Department of Architecture in the 1940s and then established his own architectural practice. Among the many projects he and his partners completed over the next 45 years were, in Corvallis; Crescent Valley High School, Cheldelin Middle School, Good Samaritan Episcopal Church and the Earth Sciences Complex at OSU; and in Albany, Linn-Benton Community College and St. Mary's Catholic Church.

Reginald A. Johnson, Salem.

Lawrence R. Kassell, Silverton.

Mildred Y. Kawaguchi, Hilo, Hawaii.

Edward J. Keenan, Portland.

Sheryl S. Kelly, Tillamook.

Joan D. Kempf, Cupertino, Calif.

Helen L. Kenton, Corvallis.

Sheri L. Kimbrel, Yoncalla.

Former student triggers mentor's generosity

Despite his expertise in rural life — he grew up the son of tenant farmers in Kansas, attended a one-room school and helped establish OSU's rural studies program and modernize the role of OSU Extension — retired OSU professor Emery N. Castle '06(H) had his doubts when one of his former students asked him to help future generations of high school kids perfect their skills for working in the woods.

Van Decker '65 knew his long-time friend and mentor owned 20 acres of timberland along Kings Valley Highway west of Corvallis, and he suggested Castle donate it to nearby Philomath High School's forestry program.

A former cattle rancher, Decker has a 250-acre tree farm in the Philomath area and at 77 still works for a local logging company. He also has close ties to Philomath High, where instructor Simon Babcock '01 heads a four-year forestry program that includes classroom and field work in reforestation, timber inventory and harvest practices. Decker teaches a timber accounting class at the high school, hosts students at his shop and lets them practice timber cruising on his land.

As a student in the 1960s, Decker impressed Castle with a paper on water economics. But Castle, 93, twice widowed and living in an upscale retirement tower in Portland's South Waterfront, said he "was not terribly enthusiastic about" Decker's land-donation proposal.

"I was not opposed to doing something like that, I just wasn't sure it was going to pay off in the long run," he said. "I was thinking of the students. I wondered if they really should be spending a lot of time on something of a vocational nature instead of tearing into their academic work and maybe mastering that a little bit better."

Decker sold the idea with a visit to Babcock's classes and a video by students about the skills they learned in the woods.

It helped remind Castle that some students are better served by vocational or hands-on learning. Without the opportunity to learn about forestry, he said, they might "float by" in school.

"I grew up through agriculture, I went to college in agriculture, then left and got into a broader field (economics)," Castle said. "I would like for something like that to happen to them."

He and his daughter, Cheryl Rogers, donated the Castle Family Forest to the Philomath Community Foundation, which will lease it to the school district for use as a living land laboratory. Babcock envisions forestry, science and other classes at all grade levels learning on the donated parcel.

Castle was born in 1923 and grew up poor during the Depression. He was a radio operator aboard a B-17 bomber that flew 30 missions over Germany during World War II. Enemy fighters and anti-aircraft fire rose up to meet them; after one particularly harrowing mission he counted 87 holes in the plane.

After the war, he dove into academic work at Midwest colleges and began what he would come to call his "intellectual journey." In 1954, holding three academic degrees, he arrived to teach at what was then Oregon State College.

"I felt at home immediately," he said in his autobiography, *Reflections of a Pragmatic Economist*.

The university encouraged him to communicate across academic lines and provided numerous avenues for promotion, tenure and salary increases. Over his OSU career, opportunities arose at better paying, more academically prestigious universities, he said, "but I am happy Oregon State has been my academic home for most of my intellectual journey," he wrote. He became one of the nation's foremost figures in the study



of agricultural and resource economics. Eventually he helped establish what would become known as the Emery Castle Chair in Resource and Rural Economics.

He taught, did research and took on administrative tasks for more than 50 years, and in addition worked 10 years as vice president, then president, of a Washington, D.C., think tank, Resources for the Future. Animal scientist Bruce Weber, emeritus professor and director of the Rural Studies Program at OSU, said his friend Castle is "one of the most influential agricultural economists in the United States."

"He has a continuing and ongoing interest in rural people and places, and their well-being," Weber said. 🍌

— Story and photo by Eric Mortenson, reporter for the Capitol Press

PASSINGS | FACULTY & FRIENDS

Lucy D. Kinne, Charlottesville, Va.
Charles J. Kozlik, Oregon City. He was a professor in the Forest Research Laboratory.
Orville Krebs, Wilsonville.
Rod Kvamme, Ketchum, Idaho.
Nellie A. Lane, Portland.
Donald E. Larsen, Happy Valley.
Muriel A. Lawrence, Paso Robles, Calif.
June C. Leavitt, Lakeview.
James F. Lee, Salem.
Steven Leventhal, Bend.
Maria Lifrak, Belleville, Ill.
Phyllis Likens, Clinton Corners, N.Y.
Jean Stott Lillig, Corvallis. *Gamma Phi Beta*
Patricia J. Lindsey, Chico, Calif. She was an assistant professor of economics.
Leland R. Long, Columbus, Ohio.
Steve Lund, Pendleton. He was superintendent of the OSU Columbia Basin Research Center.
Leeanne G. MacColl, Portland.
Ferne Iverson MacKay, San Diego, Calif. *Kappa Kappa Gamma*
William MacVicar, Portland.
Orville T. Magoon, San Francisco, Calif.
Bruce Marbin, Bend.
Ida J. Marti, Wheeler.
Samuel C. Marty Jr., Burlingame, Calif.
Elliot N. Marvell, Bothell, Wash. He was a professor emeritus of organic chemistry and wrote *Thermal Electrocyclic Reactions* and other textbooks.
Robert Matthews, Katonah, N.Y.
Darle Maveety, Costa Mesa, Calif.
Patrick J. Maveety, Costa Mesa, Calif.
Joanne F. McAdam, Eugene.
Gertrude Mishler McAlister, Tucson, Ariz.
Floyd B. McFarland, Corvallis. He was a professor emeritus in the Department of Economics.
Larry McKibbin, Albany.
Jim Mechals, Lebanon.
Eugene A. Mielke Jr., Hood River. He was a professor emeritus at the Mid-Columbia Agricultural Research and Extension Center.
Bob Miles, Santa Barbara, Calif.
Donald B. Miller '75, Corvallis. He was an environmental engineering researcher in several departments at OSU.
Dorothy B. Milligan, Salem.



Oscar Montemayor '87, McMinnville. He was associate director of Academic Success in Diversity and Cultural Engagement. A member of the first student cohort of the College Assistance Migrant Program (CAMP) in 1982, he was resident assistant for the summer Upward Bound Program and volunteered with the Educational Opportunities Program (EOP) at many student retreats. After graduation, he began a long career in advising and student success with EOP. As the son of migrants himself, he had a unique perspective that helped him serve as a mentor to and champion of hundreds of OSU students throughout his tenure with the university. Donations may be made to the OSU Latino Alumni Association at osufoundation.org.
Gwen Newport, Sisters.
Richard L. O'Brien, Salem.
Richard A. Ohvall, Corvallis. He was a professor emeritus in the College of Pharmacy. Contributions in his memory may be made to OSU College of Pharmacy at osufoundation.org.
John F. O'Leary, Paisley. *Theta Chi*
Marian Zeller Parent, Milton-Freewater.
Lloyd A. Patterson, Molalla.
Howard Pepiot, Springfield.
Darrell L. Pepper, Albany.
Kenneth B. Polak, Sunburst, Mont.
Milton A. Preisz Jr., Newport. *Sigma Chi*
Lila Price, Pacific Grove, Calif.
James R. Raines, Portland.
Raphael R. Raymond Jr., Helix.
Ernest L. Reget, Helendale, Calif.
Guobin Ren, Corvallis. He was an instructor in foreign languages & literatures.
Patricia Heidt Ritchie, Pinehurst, N.C. *Kappa Kappa Gamma*
James A. Ruscigno, Lake Oswego.
Shirley A. Santell, Marietta, Ga.
L. L. Savage, Eugene.
Marlene Schalk, Salem.
Roman A. Schmitt, Corvallis. He was a professor emeritus in the Department of Nuclear Chemistry where he taught and performed research for more than 30 years. He was one of a handful of scientists picked to study lunar samples brought back by the Apollo missions and

gave expert analysis of a bullet used in the assassination of President John Kennedy. For many years he was a volunteer chaplain at the Oregon State Penitentiary in Salem.
Nina C. Schneider, Faucett, Mo.
Richard P. Schnelz, Mercer Island, Wash.
Amy Schoener, Philomath.
David B. Schroeder, Woodstock Valley, Conn.
Grace M. Sears, Winchester, Va.
Charles E. Seemuth, Corvallis.
Barbara Semlick, Vancouver, Wash.
William R. Sidnam, Auburn, Calif.
Alice Silverman, Grants Pass.
Barclay Simpson, Orinda, Calif.
Fred W. Simpson, Rancho Cucamonga, Calif.
Douglas C. Smith, Bend.
Erick E. Smith, Brooktondale, N.Y.
Shirley Johnston Smyth, Beaverton.
Richard Snyder, Milford, Pa.
Dennis A. Spencer, Vancouver, Wash.
William P. Stephen, Corvallis. He was a professor emeritus of entomology, dedicating his career to research and publications specializing in the study of leaf cutting and native bumble bees.
Robert L. Sweany, Portland.
Alex Tarver, Portland.
Marie E. Taylor, Washougal, Wash.
Ralph Thackery, Keizer.
Jack W. Thomas, Florence, Mont.
Jack E. Thornton, McMinnville.
Lois A. Thornton, Salem.
Ruth Kalina Unruh, Malin.
Nancy Hansen Vaillancour, Portland. *Gamma Phi Beta*
Norbert "Van" Vandehey '49, McMinnville. He was a 4-H Extension agent in Linn and Lane counties.
Beverly VanLeeuwen, Medford.
Ernest W. Vanmatre, Ontario.
Sylvia P. Volk, Warsaw, N.Y.
Reed D. Waite, La Grande.
M. Fred Wall Jr., Woodland, Wash. *Theta Chi*
David E. Wallace, Corvallis.
Frank R. Walter, Roseburg.
Chester D. Weiche, Glendale, Calif.
Virginia Holloman Wentworth, Portland. *Kappa Alpha Theta*
Emogene Wojcik, Tucson, Ariz.
Betty J. Young, Santa Cruz, Calif.

Successful big sister helped get him interested in attending OSU

For “One of Us,” we use a random number generator to select one member of the OSU Alumni Association to be featured in a mini-profile and photograph.

Ted Carlin '77, of Crooked River Ranch in Central Oregon, started his interview with a compliment.

“You’ve got a great magazine,” he said. “I really enjoy it. It’s gone through many different formats since I graduated. ... I taught overseas for 25 years and moved around a lot so I didn’t always get the *Stater*. I taught in Heidelberg, Germany, in a Department of Defense school teaching American military elementary and middle school students, mostly.

“When I graduated I taught PE in Jefferson — not too far from Corvallis — for eight years and I was enjoying that. One year I went to England on a Fulbright teacher exchange and then I was hungry for more time in Europe, so I made a career out of it.



(Photo courtesy Ted Carlin)

“I taught PE and health the whole time and my wife was a teacher and principal, too.”

Why did he choose Oregon State?

“I was born and grew up in Portland and my sister Mary went to Oregon State two years ahead of me; that was a big influence. I was a forestry major because I had worked summers for many years in the Forest Service. And then after two years at Oregon State I was drafted, and during the Vietnam War I spent four years in the Coast Guard. During those years I decided I wanted to be a teacher. So I got the GI Bill, started at Portland Community College, transferred back to Oregon State, and changed to health and physical education.”

He was a sports reporter for the *Barometer* from '66 to '68, reporting primarily on rugby.

Carlin and his wife, Phyllis, fell in love with Central Oregon and decided to retire there. He joined the Lions Club to meet people, became involved in the vision program and is now employed by the Oregon Lions Sight & Hearing Foundation to visit schools to screen children’s eyes.

The new four-year version of OSU-Cascades in Bend is “a great thing” for both Central Oregon and OSU, he said. “We love our Beavers!”

Carlin last visited the CH2M HILL Alumni Center a year ago when his sister, Mary Carlin Yates '68 '07(H), was named an alumni fellow.

Yates had an extensive career as a diplomat, including serving as a U.S. Ambassador. She gave the OSU Commencement speech in 2007.

“We took my mom to the Commencement and the president invited us to a football game in the fall,” Carlin recalled. “So we took her, when she was 96, and she had a great time. She had gone to 4-H Camp at OAC as a child.”

Carlin wanted to reconnect to Oregon once he returned from Europe. A simple way to do that, he thought, was by hiking across the state. So in 2010 he walked for a total of 30 days — with occasional time-outs for events back home — from Newport (see photo above) to Ontario.

As for his “biggest accomplishment” while at OSU, he offered a tongue-in-cheek recollection.

“I lived in an apartment on 3rd Street and could ride my bike all the way to campus without using my hands. I was pretty proud of that!” 🐻

— Ann Kinkley

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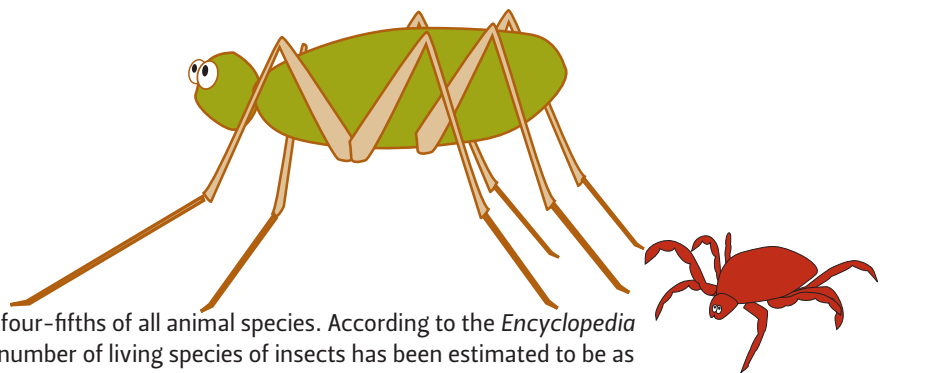
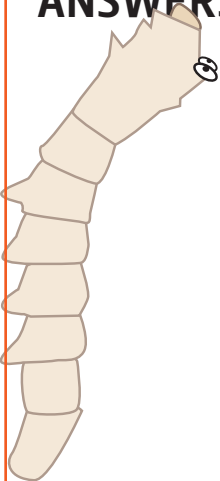
September . . Robert Schapper
October Michael Codd
November Bre Jaramillo

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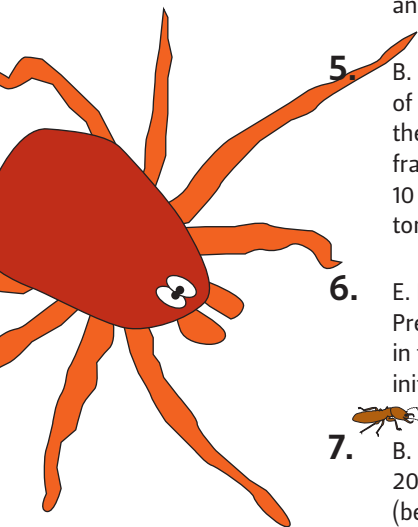
ANSWERS (Questions on page 12)



1. E. Insects make up four-fifths of all animal species. According to the *Encyclopedia Smithsonian*, "The number of living species of insects has been estimated to be as high as 30 million."
2. D. Researchers recently found evidence of typhus, caused by the organism *Rickettsia prowazekii*, in a large percentage of the remains at a burial site of Napoleon's *Grande Armée* soldiers. Typhus is spread by body lice (as well as ticks, mites and fleas, but not head lice) and they had multiplied in the conquered and impoverished villages. For further reading: *The Illustrious Dead: The Terrifying Story of How Typhus Killed Napoleon's Greatest Army*, by Stephen Talty.



3. B. Sericulture is an agriculture-based industry dealing with the production of silk by culturing host plants, rearing silkworms and converting silk into fibers for production of textiles. Although a student today can receive a bachelor's degree in sericulture — but not in the U.S. — the management of silkworms and the trees they grow on is a 5,000-year-old industry.
4. A. A yellow fever epidemic in the Caribbean in the late 18th century reduced the number of French troops in what is present-day Haiti from approximately 60,000 to 7,000 because of the mosquito-spread disease. Napoleon abandoned his quest to secure power in North America, leading to the famous sale of the Louisiana Territory and the important seaport at New Orleans on the Mississippi River.



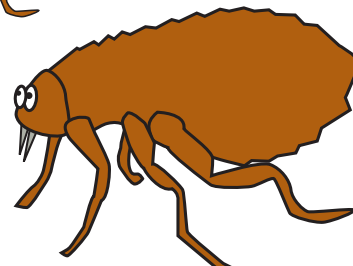
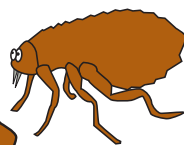
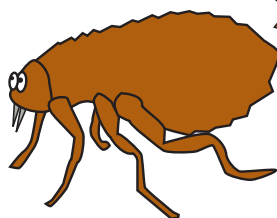
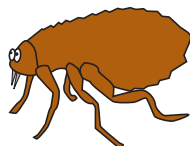
5. B. One pound. The Food and Drug Administration regulates the acceptable levels of insect parts per food item to ensure that the food is not unsafe to consume, but the amounts add up over a year. Standards allow an average of 30 or more insect fragments per 10 grams of ground allspice, an average of more than 2,500 aphids per 10 grams of hops and an average of 20 or more *Drosophila* fly eggs per 100 grams of tomato puree.
6. E. Malaria Control in War Areas, the predecessor to Centers for Disease Control and Prevention, was established in 1942 to control malaria around military training bases in the United States. The Communicable Disease Center was opened four years later, initially focused on fighting malaria, typhus and other infectious diseases.



7. B. Termites. The protein content can vary depending upon cooking method — from 20 percent when eaten raw up to 37 percent fresh weight when fried or smoked (because of reduced water content).



8. D. Bubonic plague, which is spread by fleas. The *magna pestilencia* (great pestilence) which killed 25 to 60 percent of the European population in the 14th and 15th centuries reduced many peasant populations to the point that it was no longer profitable to till large acres of land for agriculture. Land owners turned to the more lucrative raising of sheep, which required much less labor, and to the manufacture of woolen cloth and other textiles.





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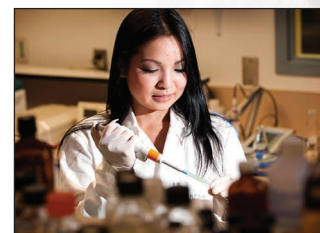
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*Students in the chemistry department receive scholarships thanks to **Charles "Ted" McMurdo '37**, who gave OSU his Portland home, which he built himself.*