

OREGON STATER

SPRING
2019



**MULTI-
TASKER**



VANILLA FROSTING

Two restored landmarks of the Lower Campus — Joyce Collin Furman Hall on the left and, far to the right, Kearney Hall — are part of a fairytale scene after a dusting of snow on an early February morning. Both buildings feature renovated, state-of-the-art interiors and stand as examples of the university’s approach to using a combination of public and private money to preserve and improve classic structures that lead so many first-time campus visitors to say, “Wow, this really looks like a college!” 🐾

— Photo by Hannah O’Leary



34 ORANGE MEDIA NETWORK CARRIES ON STORYTELLING TRADITION

New Media Communications students like Alexander Vo build a wide variety of skills in the expanding, ever-morphing field of media work at OMN, which includes familiar platforms such as KBVR, the *Barometer* and *Prism*. (Photo by Hannah O'Leary)



INSIDE

- 4 **Editor's letter:** A nod to the letter writers of Snell and a reminder about the most important thing that happens at OSU.
 - 6 **Letters, corrections:** The *Stater* gets called out for impugning Snell Hall, plus a remembrance of George Keller.
 - 8 **Ed said:** OSU's 14th president announces that he will step down on June 30, 2020.
 - 10 **Storytellers:** The late Ken Hedberg was an important and powerful teacher long after he "retired."
 - 11 **In print:** Books by and about OSU people, including one on the Portland "Jail Blazers."
 - 12 **Beaver brags:** Time to spread the word about great things happening at Oregon State and among its people.
 - 14 **What do you know?** Test your knowledge of how OSU trains students for a booming part of the entertainment industry.
 - 15 **Stone Award:** Colson Whitehead picks up OSU's increasingly prestigious literary prize.
 - 16 **Among elephants:** Graduate seeks to understand and help resolve conflicts between wildlife and people.
 - 17 **Healthy life:** Get the latest on vitamin B from OSU's experts.
 - 18 **Consistent winner:** Ecampus stays among the best in the nation by knowing and meeting its students' needs.
 - 22 **Resilient researchers:** The elite scientists of CEOAS step up in the aftermath of a devastating fire in their work area.
 - 26 **Cover story:** Destiny Dawson rolls with life's challenges.
 - 30 **To Mars and back:** OSU grads work for NASA and in the private sector to solve problems on the edge of science.
 - 34 **Student media changes, thrives with the times:** The Beaver student journalism tradition lives in the Orange Media Network.
 - 36 **Looking back:** Oregon newspaper family has deep roots at OSU.
 - 40 **Beavers who serve:** Researchers study how to keep airports open after an earthquake; Steven Jackson joins a new team for OSU.
 - 42 **Director's letter:** Executive Director John Valva wants you to tell your OSU story more, and more loudly.
 - 43 **Awards:** High honors go to Carmen and Michael Cutting; Bert and Kaye Loughmiller and Suzanne McGrath.
 - 44 **Student alumni ambassador:** A visit from the Czech Republic convinced Tereza Markova that OSU was for her.
 - 46 **Sports – All about team:** Star Beaver catcher seems destined for greatness but deflects attention to teammates; primers on athletic scholarships and a new campaign; a special weekend in Gill.
 - 56 **Of note:** Back in the back, new lifetime members, passings in Beaver Nation and some alumni accomplishments.
- On the cover:** At 21, Destiny Dawson doesn't seek attention for stepping up to be legal guardian of her three siblings, but the All-American Beaver javelin thrower and civil engineering student lights up when she talks about her love for — and commitment to — Makana (at left), Christle and Kingston. Story on page 26. (Photo by Karl Maasdam)

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
- Digital *Oregon Stater*: osualum.com/digitalstater



FACEBOOK

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

38 REALLY WANNA KNOW WHAT WHALES TALK ABOUT?

Marine Mammal Institute Director Bruce Mate, here with a new Oregon license plate that raises money for the MMI, had interesting answers for questions from the alumni association's Beaver Lodge. (Photo by Hannah O'Leary)



54 THE SWEETEST OF CIVIL WAR WEEKENDS IN GILL

Sold-out, raucous crowds and Duck defeats by the Beaver men, 72-57 on Feb. 16 and the women, 67-62 two nights later made for moments worth remembering. Here, Aleah Goodman sets up for a shot. (Photo by David Nishitani)



TWITTER

Oregon State: [@oregonstate](#)
OSU-Cascades: [@OSU_Cascades](#)
OSU Athletics: [@beaverathletics](#)
OSUAA: [@oregonstatealum](#)



INSTAGRAM

Oregon State: [@oregonstate](#)
OSU-Cascades: [@osucascades](#)
OSU Athletics: [@beaverathletics](#)
OSUAA: [@oregonstatealumni](#)
OSUF: [@oregonstatefoundation](#)



LINKEDIN

Search for "Oregon State University"
Search for "Beaver Careers Group"
Search for "Oregon State University International Alumni"
Search for "Oregon State University Foundation"



It's all about that thing Beavers do

This was to be an extended *mea culpa* for being mean to Snell Hall in our winter “Looking Back” feature.

Several letters — see pages 6 and 7 — made it clear that many alumni have sweet memories of Snell and the role it played in their OSU experience, and couldn't care less about its structural woes. The response reminded me of something an alumni magazine editor ought never forget: *It's not about our places or our things, it's about our people and what happens to them here.* The Snell story, right down to the slightly snarky tone, was my idea. Writer Hannah O'Leary is the unsnarkiest person I know. Blame the editor. I apologize. Lesson relearned.

That focus on what happens to people while they're here was fresh in my mind when a talented videographer — a new colleague who must produce compelling work that resonates with alumni, friends of the university and those who know little of Oregon State — called to say he was stuck and wanted to talk.

“I've done enough pieces that I'm getting that there *is* something different going on here,” he said, “but I need to define it more clearly. Will you help?”

We talked for a couple hours. He became increasingly animated as I told him story after story of remarkable OSU people and what they've done.

Famously remarkable, like inventor and philanthropist Ken Austin '53, who was foundering financially as a young husband and father when he got an idea during a dentist appointment and grew it into a world-wide dental equipment company.

And not-so-famously remarkable, like an OSU alumnus I met whose engineering skills are why his small community has

functioning water and sewer plants, despite a terribly cash-strapped local government. He says he's just doing his job, as did the epidemiologist from OSU who — acting on an educated hunch she had several years ago — cracked a multi-state mystery about people getting sick from eating lettuce.

There are literally thousands of such stories — yours is probably one of them — and they all have one thing in common: Beavers are doers. Many students arrive on campus knowing exactly what they want to do, eager to hurl themselves at very specific problems. To them, OSU says, “OK, let's get you trained up with the knowledge and experience you'll need to be effective at this thing you want to do.”

Many others are — like I was 46 years ago this fall — clueless about what they want to do. To us, OSU says, “We'll make you a deal: You work hard and open your mind. We'll help you figure out what you want to do, and then we'll send you away ready to do it with passion and skill.”

On most workdays, I commute into Corvallis very early, rolling onto the campus just as it's waking up. Often I experience a flutter of emotion and feel silly for being so in love with a place. But those letters and that mutual inspiration session with my videographer friend reminded me that I have it wrong.

It's not the place I'm in love with, it's what happens here, and it's about the gratitude I have all these years later because it happened to me. This is where I learned how to be useful. Oregon State is where I learned what to do. 🦫

— Kevin Miller '78, editor

OREGON STATER

Spring 2019, Vol. 104, No. 2
©OSU Alumni Association

CONTACT THE STATER

877-OSTATER (877-678-2837)
stater@osualum.com
Oregon Stater, 204 CH2M HILL
Alumni Center, Corvallis, OR 97331

UPDATE YOUR ADDRESS

osualum.com/address

TABLET-FRIENDLY & PDF VERSIONS

osualum.com/stater

Publishers

John Valva, executive director, OSU Alumni Association; vice president of alumni relations, OSU Foundation
Tom Nakano '89, chair, OSUAA Board of Directors

Editor

Kevin Miller '78
stater@osualum.com
Direct: 541-737-0780
Toll-free: 877-678-2837

Associate editors

Design: Teresa Hall '06
History and traditions:
Hannah O'Leary '13 '19
Philanthropy: Molly Brown
Photography: Hannah O'Leary
Sports: Kip Carlson

Chief proofreader

Janet Phillips McKenney '79

Student writer/editor

Denzel Barrie '19

ADVERTISING

Natalie Petersen
541-737-8563
natalie.petersen@osufoundation.org

Produced for the OSU community around the world by the OSU Alumni Association in collaboration with the OSU Foundation and OSU.

Printed on responsibly produced paper with ink containing soy at Journal Graphics in Portland.

Oregon Stater (ISSN 0885-3258) is a publication of the Oregon State University Alumni Association, mailed three times a year. Postage paid at Corvallis, OR 97333 and other locations.



Built for You to TAKE THE NEXT STEP

**Online Certificate Programs from the College of Business,
Taught by Industry Experts.**

Our continuing education courses are delivered in a convenient and flexible way to working professionals who want to deepen their knowledge and further their careers.

Explore Courses in:

- Digital Brand Management
- Project Management
- Web Development and Coding
- Human Resources Management
- Nonprofit Management
- Procurement & Contract Management

Learn the Business of Brewing

- Craft Brewery Entrepreneurship
- Craft Cidery Entrepreneurship



College of Business

View the entire course catalog:
business.oregonstate.edu/catalog



**Oregon State
University**

Fondness for Snell

Your article, “Snell: Not our favorite building,” (*Oregon Stater*, winter 2019) brought back a flood of memories and, I have to admit, a twinge of pain. Snell Hall was my home from 1976 through 1980. It is where I met my wife of 38 years. My memories are somewhat at odds with the article, so I’d like to present a limited rebuttal.

We were the first group to live in the newly repurposed Snell Hall in the fall of 1976, with the “MU East” offices on the lower two floors, traditional men’s dorm rooms on the third and fourth floors and women on the fifth floor.

Snell was billed as “the quiet place.” Limited visiting hours (no visitors of the opposite sex after 10 p.m.), no alcohol, strict noise limits. It seemed the perfect location for a quiet nerd like myself, especially since it was so close to the Kerr Library and the Milne Computer Center.

Unlike the other dorms that tended to be clustered, we were a bit isolated, but that’s mostly how we liked it. Stories of rowdy brawls over at Wilson or all-night stereo wars in the quad were just rumors to us.

Our head resident, Ruth Hawkins, was a lovely lady with no HR experience, but with a cheerful disposition and the endless patience that is required when dealing with young people living on their own for the first time.

The blue sheet-metal construction never struck me as particularly odd. I would call it “post-modern industrial.” Weniger Hall has exactly the same construction. We also were never aware of any water leakage issues, nor did it seem to smell of mold. Maybe we were just lucky.

The “quiet place” designation meant that Snell attracted a more studious population than other dorms, less interested in rowdiness and partying. Many of us were cynical and sarcastic by nature, which led to one of the strangest controversies of my tenure at OSU. It was extremely common to see members of fraternities and sororities wearing T-shirts with their house names in iron-on decals, made by the shirt shop in the bookstore. It seemed to us that we ought to be able to do the same thing,

so we had T-shirts made up with SNELL in Greek letters. This caused a ruckus on fraternity row, resulting in a series of partly serious and partly satirical letters in the *Daily Barometer*.

The building elevator was an endless source of amusement. We once embarked on an all-night Monopoly session in the elevator and were dismayed to learn that the fan stopped and lights went out after five minutes of inactivity.

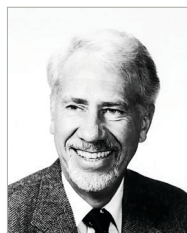
I’ve seen the architectural feasibility study that recommends tearing down and replacing the building. It has some rather damning assertions, such as that the walls, windows and roof do “not come close to meeting any standard from comfort to energy and in some cases structurally.”

I suspect the building is nearing the end of its life. I, for one, will shed a tear when that huge part of my college experience is gone.

Tim Roberts ’80
Tigard

Keller remembrance

In October 2018 one of Oregon State’s finest administrators passed away; I wanted to share a little about him with readers of the *Stater*. George Keller was a dedicated Beaver from the day he arrived on campus in 1975 through his retirement from OSU 22 years later.



With degrees in geology and oceanography from the universities of Connecticut, Utah and Illinois, George had worked in the petroleum industry, the U. S. Naval Oceanographic Office and the National Oceanic and Atmospheric Administration. He later served OSU as associate dean and acting dean of the School of Oceanography; acting dean of research; dean of research; vice president for research and graduate studies; vice president for research, graduate studies and international programs; vice provost for research, international programs and federal relations; and finally vice provost for research and international programs.

He was born to Danish parents in Wethersfield, Connecticut. The family spoke Danish at home, and throughout his life he was able to speak Danish. He traveled to Denmark frequently.

With the confidence that possibly came from speaking two languages fluently, visiting family on two continents and doing research in a third part of the world, international interests were prominent during George’s career at OSU.

Always an ocean researcher, George believed it was important to continue his research even though he might be in an administrative position. In 2003, he estimated that up until that time, he had made 43 dives in research submersibles to a maximum depth of 4,000 meters and had spent accumulated time aboard oceanographic vessels of about 6.5 years. He was an active research scientist while he was a university administrator.

All of this is important, but it is not what most of us who knew George will remember him for. We will remember George for his character, for his highly principled life, for his care about others and his efforts to help them, all characteristics typical of OSU.

A few comments from friends and associates:

“He was honest and carried honesty to the very edge and you always knew where he was on any issue.”

“He was highly respected by the numerous College of Agricultural Science stakeholders across the state.”

“His passion for and commitment to Oregon State provided motivation for me to accept the position as provost. He was not one to mince words or hold back his opinions. He listened to everyone, was incredibly thoughtful and contemplative, but was as straight a shooter as one could find.”

“What a class act he was!”

“I nicknamed George my ‘Number One Advisor.’ He was really a very, very important part of my life.”

“George was a good listener and a collaborative partner in finding ways to solve problems. He always took the time to listen to various views and ideas of ways to reach a solution.”

“He was so very approachable, so very down to earth and took interest in whomever he was visiting with from all walks of life, whatever the topic.”

“George Keller was a highly principled person of impeccable integrity, dedicated to what he perceived to be right and with compassion for his fellow man. He was a world-class good person. When we feel the need to think of goodness in the world, we can think of George Keller. He was a great Beaver!”

John V. Byrne
OSU president emeritus
Corvallis

Hunting on campus, 1901

I really enjoyed the most recent *Stater*, especially the archive photos of the buildings. Corvallis was my hometown from 1944-1973.

My grandfather and two of his older brothers played for OAC teams. Rod Nash (Roderic N., youngest son of Wallis and Louisa Nash) played football in 1901-03 and then ran the Nash ranch and cattle operation until his death in November 1965.

Cauthorn Hall (now Kidder) had special meaning while I was in school and even earlier. Why? Check out this, from the Nov. 8, 1901 *Albany Democrat*:

“Roderick (sic) Nash shot a deer near Cauthorn Hall yesterday afternoon. Dogs had driven the animal down Oak Creek, and when it ventured near the dormitory Roderick brought it down with a rifle ...”

My grandfather said he shot the deer from a balcony. Wonder what would happen if we did that today on any college campus?

Rod Commons '65
Pullman, Washington

Don't mess with Snell

“Snell: Not our favorite building”? Okay, now you're getting personal! I was a resident there during my first three years as an Oregon State student, from fall term of 1978 through spring term of 1981, so it holds some special memories for me. At that time, it was no longer an over-21 residence hall, but was instead promoted as a “quiet” dorm where excessive noise was not allowed — a better atmosphere

for studying. But even with those house rules, an occasional “watt war” would break out as residents in a pair of rooms would show off their competing stereo systems! The third and fourth floors housed men and the fifth floor women. The first and second floors may have already been office space at that time, but they were not part of the residence hall (except for the laundry room on the first floor).

One of the main disadvantages of the building was that it did not have its own dining hall, so a walk to either McNary or Arnold was required for every meal. Yes, the steam heat was often noisy at night, and the walls didn't seem to be insulated so well. But it was in a nice central location close to the MU and the bookstore, and our resident advisor there during my three-year stay, Ruth Hawkins, was as nice as could be. I did chuckle at your article's mention of “Smell Hall” — I don't recall ever hearing anyone use that name during my time there, but I do appreciate the humor!

A few years back as I toured OSU with my daughters who were prospective Beavers at the time, I couldn't resist stopping by Snell Hall to remember the old place. I got to the third floor where I had lived all those years ago, but since it had become office space, I encountered many locked doors and was not able to check out much of my former stomping ground. But it was fun to see your article with its historical photos of the place, even if the overall tone was a bit negative. Thanks for a look back.

Mark Willke '83
Portland

Another fan of Snell

I have fond memories of living in Snell Hall in the 1970s, even if it's not everyone's favorite building. The central location was great, and right across from the library. The people were diverse: grad students, undergrads and foreign students from Asia, Europe and even Iran. There were freshly made sticky buns in the breakfast area on weekdays, and I had a great view from my third-floor window. Yes, the rooms were small and walls thin, but that was normal for dorms then. Quite a few marriages came from

relationships developed in Snell, too. I even like the blue panels and red bricks. Was sorry when we all were forced to move to West Hall!

Lona (Moore) Pierce '76
Warren

She lived in the other Snell

In the winter *Oregon Stater* you have a story about Snell Hall, which stands on campus today. I have fond memories of a different Snell Hall.

I enrolled as a sophomore in the fall of 1948 and was elected president of Snell Hall, a women's dormitory that had been built in 1921 and is now known as Ballard Extension Hall. I was president of Theta Sigma Phi, a women's journalism honorary; managing editor of *The Barometer*; editor of the *Fusser's Guide* (student directory); chair of Homecoming and a member of Sigma Kappa sorority.

I did not know the famous Margaret Snell, the building's namesake, but we paid homage to her memory. Our house mother knew her and praised her faithfully.

Doris Crow Grover '51
Pendleton

Send us letters

We love letters. We might edit them for clarity, brevity (please keep them under 250 words) or factual accuracy. Also, when pressed for space, we'll give preference to letters from less frequent contributors. Send them to stater@osualum.com or Letters to the Editor, Oregon Stater, OSUAA, 204 CH2M HILL Alumni Center, Corvallis, OR 97331-6303.

Corrections

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

President Ray will step down after nearly 17 years, in 2020



Photo by Frank Miller

Oregon State University's 14th president, a leader who has presided over a period of growth unprecedented in the modern era at the university, announced in late March that he will — as he has hinted he would do for several months — step down June 30, 2020, at the end of his current contract.

Edward J. Ray is Oregon's longest-serving public university president. When he leaves office after 17 years of service, he will be Oregon State's 4th-longest-serving president since the university was founded in 1868. Under his leadership, OSU has transformed in many ways, becoming an internationally recognized public research university.

Additionally, the university:

- » Celebrated its 150th anniversary with a 15-month celebration that engaged Oregonians throughout the state;
- » Completed a \$1.142 billion capital fund-raising campaign — its first ever;
- » Grew grant-funded research to exceed all of Oregon's public comprehensive universities combined. In 2018, grant-funded research at Oregon State totaled \$382 million — the university's second-best year ever; and
- » Invested in excellence in academic, research, and outreach and engagement services.

For the fifth consecutive year, Oregon State is Oregon's largest public university with more than 32,000 students.

Here, in full, is President Ray's letter to Beaver Nation announcing his decision:

"Members of the Oregon State University community,

"I am writing to let you know that it is my intention to step down as president of Oregon State University on June 30, 2020, when my current five-year contract will be completed, and after almost 17 years since I had the great honor and joy to assume the presidency on July 31, 2003. I will continue to serve as president of Oregon State University until the new president assumes office.

"The timing for this transition is excellent. We have just adopted a new chapter in our strategic plan, SP4.0, and we are guided by our common statement of aspirations: Vision 2030. Furthermore, we have recently completed a comprehensive self-study as part of a seven-year accreditation process and we will welcome an external accreditation review team to OSU in the next few weeks. We also developed a 10-year business forecast and a 10-year capital planning model to help guide university fiscal decisions. Perhaps most importantly, I have never worked with a stronger leadership team in my 16 years of service as your president, including an excellent university board of trustees.

"Personally, my health is very good. Yet, I will be almost 76 years old when I step down as president, and I view my job as including my best effort to assist this wonderful university in transitioning to new leadership. Effective July 1, 2020, I will begin a sabbatical and transition to the College of Liberal Arts as a professor of economics.

"Please know that my affection for each of you, my passion and commitment to the mission, vision and values of this university have never been stronger. And, I remain certain that the best is yet to come for Oregon State University and those we serve. Our graduates are our greatest contribution to the future, and my colleagues will help all of us provide for a more inclusive future to meet the educational, economic and social needs and aspirations of all Oregonians and those beyond our state, through our teaching, research, creative work and service.

"Within the next few weeks, Rani Borkar, chair of OSU's Board of Trustees, will provide further details regarding the process and timeline for bringing the 15th president to this wonderful university, including the role that each of you can play in contributing to a successful search for OSU's next president.

"Sincerely,

Edward J. Ray, President" 🍌

OSU leaders react to announcement

Rani Borkar, chair of the Oregon State University Board of Trustees: “When President Ray steps down on June 30, 2020, we will have had the tremendous fortune of 17 years of his leadership. He provides a steady, thoughtful moral compass and strong vision that inspires others. Since he became president in 2003, he has led the university through a period of extraordinary growth in its academic stature, facilities and infrastructure, and statewide and global presence. He has led the university in taking significant steps to prioritize and advance the pursuit of inclusive excellence through the university. I feel such gratitude for President Ray’s continued leadership.”

Mina Carson, professor of history, president of the Faculty Senate: “Ed Ray’s presidency has brought OSU into national prominence for all the right reasons. He has led us toward ambitious program and plant growth, and given us confidence in our leadership in research and teaching. He came to Oregon State with an explicit commitment to genuine equity and diversity and has walked with us down that challenging path. We’re not ‘there’ yet, but that’s the genius of his leadership. He asks hard questions. He pushes us. He is both blunt and compassionate, and he listens and learns. He can laugh at himself. He honors shared governance with the faculty, and he puts educating our students first.”

J. Michael Goodwin, President and CEO of the Oregon State University Foundation: “President Ray embodies a rare combination of traits, possessing a practicality grounded in his background in economics, paired with a deep love for the OSU family, for education and for Oregon. Without a doubt, his leadership has launched the university and our region toward an even brighter tomorrow. I know I’m not alone when I say that I’m immensely honored to have worked with him and look forward to the next 15 months of his roll-up-your-sleeves, get-the-job-done leadership.”

Tom Nakano ’89, chair of the OSU Alumni Association Board of Directors: “President Ray shows great leadership and strategic vision as president of our university. He will be greatly missed when he retires and I wish him the very best in the next phase of his life. He always has the best interests of our students in mind and he will leave a strong legacy in all that has been accomplished during his tenure.”

John Valva, executive director, OSU Alumni Association; vice president, alumni relations, OSU Foundation: “When our alumni talk about what they love about Oregon State, the words and work of Ed Ray are central to their sense of pride and optimism as Beavers. He continues to remind us that this is a university of great accomplishments, remarkable people and a bright future.”

THANK YOU

TO OUR 2019 STATE OF THE UNIVERSITY PORTLAND EVENT PARTNERS

OSU Alumni Association

— AND —

OSU University Relations and Marketing

Presenting sponsor

OSU Foundation

Program sponsor

Daimler

Event sponsors

McGee Wealth Management

NFP Corporate Services

Raymond James Financial Services

Reser’s Fine Foods

Stoel Rives LLP

Join us at future addresses

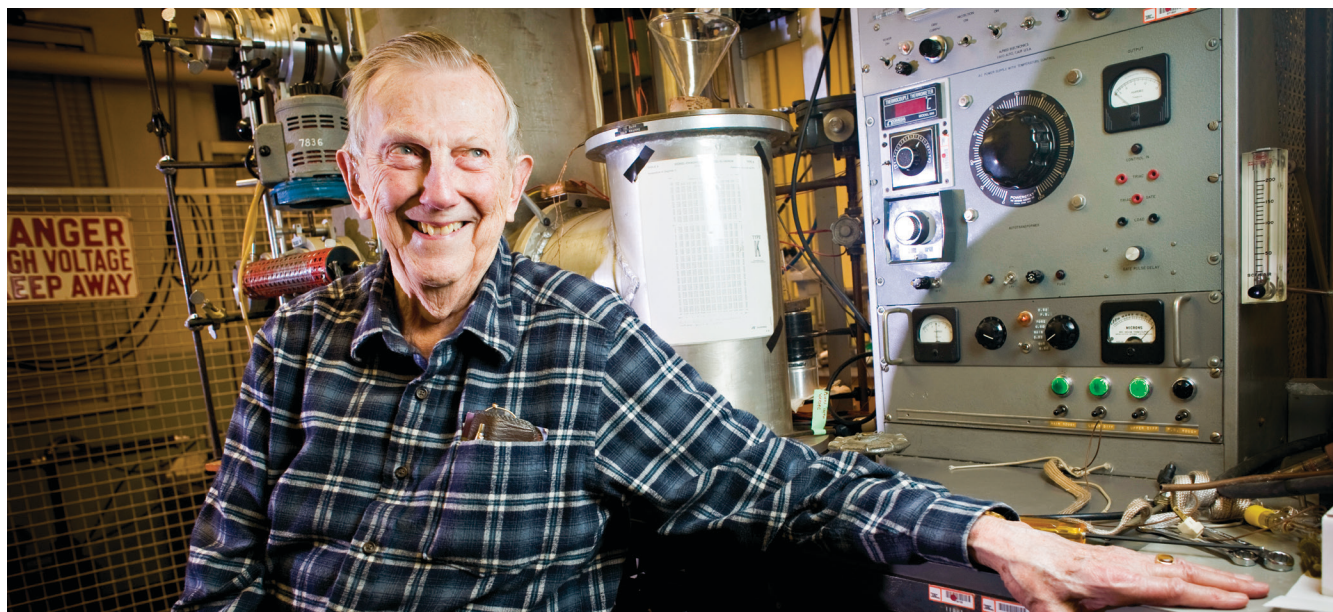
Bend, May 6, 2019

Portland, Feb. 11, 2020



Oregon State University

Archivist fondly recalls Ken Hedberg



By Chris Petersen | Photo by
Karl Maasdam

It is with a heavy heart that I devote this column to Dr. Ken Hedberg '42, a friend to me and many others. An Oregon Stater through and through, he died Jan. 5, 2019, just one month shy of his 99th birthday. A remarkable molecular chemist and a legendary teacher, he was an active member of the OSU faculty from 1956 until his death. It was my good fortune to interview him four times in fall 2011, and to make a snapshot of his story available via the OSU Sesquicentennial Oral History Project website. Below are three edited excerpts.

A memorable dance

"In the winter of 1941, we had a tremendous ice storm, and this was the night of one of the all-school dances, which were held in the Memorial Union ballroom. All of a sudden at 8:30-9:00, the lights went out. What had happened, of course, was that the power lines went down because of the weight of the ice and so on. No lights in the MU ballroom, so somebody scrounged up some candles and put them around the edge for some form of light. But the MU lounge, which was very much the same as it is now, (was) a place where couples would repair to rest a while and sit and smooch with each other. In due course, there came one of the chaperones, usually the wife of a

faculty member. She came in with a large candelabra with lighted candles and she put it on a big table in the middle of the room. And then she turned around and she walked back down the stairway into the ballroom and she got to the head of the stairs and disappeared. One of the students there got up, walked over to the candelabra and blew all the candles out to great cheers. In a few minutes the same woman came back and she lit the candles again and she turned around and walked away, but she didn't get to the head of the stairs this time before a student, maybe the same one, blew them out again, again to great cheers. This time she never returned."

Pauling and basalt

"Graduate students at Caltech were, as a group, in awe of Linus Pauling, who had a tendency to pad through Gates and Crellin (the building which comprised the site of the chemistry department) in his house slippers on Saturday morning. I felt this way one Saturday when he walked into my office, sat down and put his feet up on the adjoining desk. Then he noticed a key chain on my desk which had attached to it a small device consisting of an eyepiece with a lens containing a photograph which could only be viewed by looking directly into it against a strong light. The photograph was that of a beautiful girl, completely naked,

standing on a large black rock in the middle of a rushing mountain stream. Pauling picked up the device and clapped it to his eye. 'Hmm,' he said, 'Basalt.' ... I think it was then that I first realized what a wonderful sense of humor Linus Pauling had."

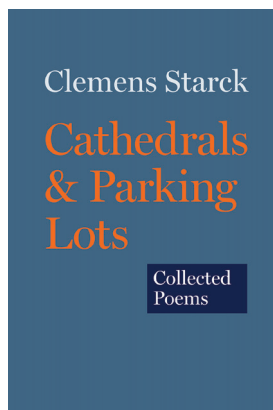
Final reflections

"I think the thing that I'm most proud of is that I've had what I think is a very happy life in what I've done. My childhood was — I won't say actually impoverished — but we lived through the Depression, for a portion of which my father was out of work. The notion that I would have been able to do the things that I have been able to do would have been almost unthinkable. I've traveled all over the world. I've made much more money than my father ever did. I have kids that are successful, and I've had wonderful colleagues. I've had a research career that has kept me occupied, even to date. I don't think I could have planned it any better actually if I'd had to set it out ahead of time."

Listen to Ken Hedberg at scarc.library.oregonstate.edu/oh150/hedberg. 🎧

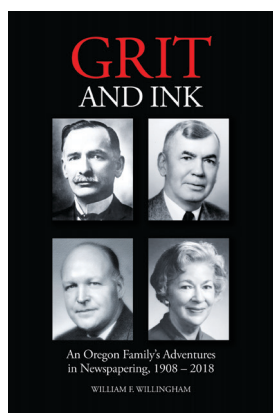
Chris Petersen led the OSU Sesquicentennial Oral History Project and is senior faculty research assistant in the Special Collections and Archives Research Center. Find the collection at scarc.library.oregonstate.edu/oh150.

In print: Notable books by Beavers, friends

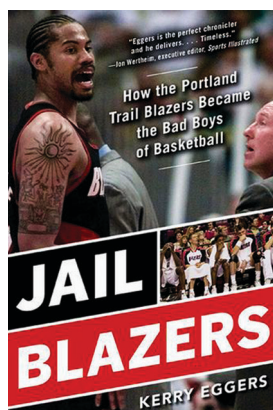


Books featured in “In print” were written by or about alumni, faculty and friends of OSU. More publications appear in the “Published” subsection of the “Of note” section on page 57.

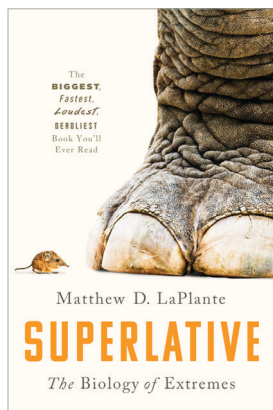
Cathedrals @ Parking Lots — Collected Poems (Empty Bowl) by Clemens Starck, retired from his job as a carpenter doing maintenance and repair work at OSU. His first book of poems, *Journeyman’s Wages*, received the 1996 Oregon Book Award, as well as the William Stafford Memorial Poetry Award from the Pacific Northwest Booksellers Association. His next two books — *Studying Russian on Company Time* (1999) and *China Basin* (2002) — were also finalists for the Oregon Book Award.



Grit and Ink: An Oregon Family’s Adventures in Newspapering, 1908-2018 (EO Media Group) by William F. Willingham, historian and author of several books and scholarly articles. A history of the impact on Oregon history of joined Oregon newspaper families — the Aldriches and the Forresters — whose influence extended across the state, but most strongly in Astoria and Pendleton. Much of the narrative describes the career of legendary Oregon journalist Edward Aldrich ’00, a former *Barometer* editor. See story, page 36.



Jail Blazers: How the Portland Trail Blazers Became the Bad Boys of Basketball (Penguin Random House) by Kerry Eggers ’75, a longtime Oregon sportswriter and columnist, now writing for the *Portland Tribune*. In the late 1990s and early 2000s, the Trail Blazers were one of the hottest teams in the NBA, but what happened off-court was just as unforgettable as what they did on the court, spawning the “Jail Blazers” nickname. Eggers, who covered the team throughout the era, goes back to share stories from players, coaches, management and others who were in Portland when the Blazers were in the headlines as much for their legal issues as for their play.



Superlative: The Biology of Extremes (BenBella Books) by Matthew D. LaPlante ’02, an associate professor of journalism at Utah State University. In the book, he explores lessons to be learned from animals that exist at the extremes — largest, smallest, fastest, etc.



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

OSU LEADS IN ONLINE EDUCATION – AGAIN



Oregon State Ecampus has done it again. For the fifth year in a row, OSU's online education program is ranked among the best in the country by *U.S. News & World Report*. Ecampus has ascended this year to No. 3 for online bachelor's degrees, its highest placement to date. Offering a high level of interactivity and hands-on experience, Ecampus serves students in all 50 states and more than 50 countries. See story, page 18.

GET YOUR GRAY WHALE LICENSE PLATE NOW



Oregonians love the whales that migrate up and down the coast — and now they have another way to show their interest and help support the work of Oregon State's Marine Mammal Institute in research, graduate student education and public outreach programs. A specialized license plate featuring a gray whale mother and her calf is available at Department of Motor Vehicles offices statewide. The plate costs \$40, of which \$35 goes to OSU's institute. To date, more than 4,700 plates have sold. See story, page 38.

BEAVERS HELP ADDRESS THE TOUGHEST ISSUES



When a problem becomes apparent, Oregon State steps up to help. Nationally, suicide is the second-most common cause of death among college students. We know that depression, anxiety and suicidal thoughts are also issues among OSU students. Our efforts to help include Oregon State staff, faculty and student leaders. This past year, Taylor Ricci, a former gymnast, and Nathan Braaten, a soccer player, co-founded the Dam Worth It campaign after each lost a teammate to suicide. They are working to destigmatize mental health at OSU, in the Pac-12 and nationally by spreading awareness of the crisis and of the services available to students. National media — including *Sports Illustrated* in its annual coverage of athletes of the year — have portrayed Ricci and Braaten's efforts.

QUALITY EDUCATION STARTS EARLY – THANKS TO OSU



Oregon's fifth- and sixth-graders are receiving an early educational exposure to nature and the environment, thanks to the OSU Extension Service. An Oregon tradition for more than 50 years, Outdoor School provides an immersive, hands-on learning experience, but not everyone has had access to it. That changed when voters approved Measure 99, and the university began administering the program statewide. In its first full year, the new Outdoor School program served nearly 31,000 fifth- and sixth-grade students from 385 schools from all Oregon counties. In fact, 82 schools offered Outdoor School for the first time.

HOT, HOT, HOT – SO SAY OREGON STATE RESEARCHERS



A recent report by the Oregon Climate Change Research Institute at Oregon State forecasts that Oregon can expect hotter temperatures, more severe wildfires, less snowpack and lower summer stream flows. The report says the state is projected to warm by four to nine degrees by 2100 and predicts that the number of days with temperatures higher than 86 degrees in many Oregon locations — excluding coastal communities — will increase by 30 days a year by mid-century. See the full report and a summary at occri.net/ocar4.

She saw her opportunity and took it

“Greeting them at the door and setting up for the school day, that’s my favorite time,” says Brenda Contreras of her students.



After Brenda Contreras graduated from OSU with an undergraduate degree in psychology, she never envisioned a future in teaching. It was when she began working in childcare that her outlook changed. She learned of OSU’s M.A.T. program and jumped at the opportunity not only to teach and learn, but to research and develop programs close to her heart, such as Spanish dual-language immersion classes.

“I’ve worked at multiple schools in the district where I’ve seen different demographics and different school cultures,” she says. “I’ve made a lot of connections at all these schools, and it’s because of Oregon State.” Contreras’ vision is firmly set on a future in education, knowing her opportunities are not only vast, but rewarding.

Game for some questions about gaming, other new media?

Designing video games and creating other interactive media are among the most attention-grabbing skills taught in the New Media Communications (NMC) program in the College of Liberal Arts. But Daniel Faltsek, associate professor of social media, notes that there's much more to it than that, and he helped us design a quick quiz with examples. On the job since 2012, he serves as coordinator for the program and director of the OSU Game Lab.

NMC classes, Faltsek said, ready students to navigate a wide range of evolving high-tech careers, from social media management and web design to broadcast media and marketing. With a marketplace that seems to morph into something different with amazing rapidity, New Media Communications prepares students with skills to make them adaptable to jobs of tomorrow that weren't even dreamt of yesterday. The following questions and answers offer a sampling of some of the simpler points taught in the program, and provide a picture of the post-college job world that awaits NMC grads. Answers are on page 64.

- Can you spot the fake New Media Communications class?
 - NMC411 The Art of Copy-pasta
 - NMC341 Media Spin and Deception Detection
 - NMC388 Social Media and Interpersonal Relationships
 - NMC330 The Meaning of Video Games
- True or false: In 2016, the New Media Communications department completed a new virtual reality lab.
- True or false: When the National Association of Broadcasters holds its annual convention, OSU provides all of the intern assistants.
- OSU's New Media Communications program trains students to work as any of the following except:
 - Digital artist
 - Game designer
 - Public relations and marketing manager
 - Broadcast journalist
 - eSports athlete (professional video game player)
- True or false: New Media Communications is the fastest-growing major at OSU.
- True or false: Marriage exhibits Boolean logic: you are married or you are not.
- True or false: Patent law has no constitutional basis.
- Consuming different types of media (news, movies, music) all in the same way (such as, on a smartphone) is an example of:
 - Transmedia
 - Convergence
 - Cross-platform access
 - Digital distribution
- What percentage of the entertainment market do video games occupy?
 - 22 percent
 - 51 percent
 - 17 percent
 - 38 percent
- In 2015, the U.S. media and entertainment industry exported more product (measured by value) than which other U.S. industry sector?
 - Pharmaceuticals (\$58.3 billion)
 - Aerospace products and parts (\$134.6 billion)
 - Automotive (\$150 billion)
 - All of the above
- Which of these technology giants was founded by an OSU graduate?
 - NVIDIA
 - Intel
 - IBM
 - HP
- Sponsorships and marketing revenue accounted for nearly three quarters of the eSports market in 2016, which amounted to how much money?
 - \$47 million
 - \$661 million
 - \$172 million
 - \$331 million



Stone Award goes to author, teacher Colson Whitehead



Pulitzer Prize winner Colson Whitehead has been honored with OSU's 2019 Stone Award for Literary Achievement. Created by a generous gift from Vicki and Patrick Stone '74, the award honors a major American author who has created a body of critically acclaimed literary work and has been — in the tradition of creative writing at OSU — a dedicated mentor to succeeding generations of young writers.

Past recipients include Joyce Carol Oates in 2012, Tobias Wolff in 2014 and Rita Dove in 2016.

Recipients give readings, master classes and lectures in both Corvallis and Portland, highlighting the value of creative communications in contemporary American culture. In conjunction with the prize,

an "Everybody Reads" program features a selected book by the writer, with events at libraries, book clubs and independent bookstores.

Whitehead is the No. 1 *New York Times* bestselling author of *The Underground Railroad* (an Oprah's Book Club selection and winner of the National Book Award and Pulitzer Prize), *The Noble Hustle*, *Zone One*, *Sag Harbor*, *The Intuitionist*, *John Henry Days*, *Apex Hides the Hurt* and one collection of essays, *The Colossus of New York*. His reviews, essays and fiction have appeared in a number of publications, such as *The New York Times*, the *New Yorker*, *New York Magazine*, *Harper's* and *Granta*.

He has received a MacArthur Fellowship, a Guggenheim Fellowship, a Whiting Writers Award, the Dos Passos Prize, a fellowship at the Cullman Center for Scholars and Writers and was a finalist for the Pulitzer Prize for *John Henry Days*.

He has taught at the University of Houston, Columbia University, Brooklyn College, Hunter College, New York University, Princeton University, Wesleyan University, and been a writer in residence at Vassar College, the University of Richmond and the University of Wyoming. 🍌

**CUTTING EDGE
TECHNOLOGY.**

**HUGE GROWTH
POTENTIAL.**

**AWE-INSPIRING
TRUCKS.**



Visionary. Creative. Future-focused. That's Daimler Trucks North America, a technology leader developing some of the trucking industry's most exciting innovations. The groundbreaking Freightliner® new Cascadia is just one example of our unrelenting commitment to continuous improvement. If you're driven to work for one of the world's most ingenious truck manufacturers, we'd love to hear from you.

daimler-trucksnorthamerica.com

DAIMLER

Copyright © 2019 Daimler Trucks North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Trucks North America LLC, a Daimler company.

DAIMLER | Freightliner - A Daimler Group Brand



From forestry at OSU to life with 18,000 elephants

By Kevin Miller

Lauren Redmore and Lindy Lucas, a student at Botswana's Maun Technical College, record the discovery of fresh elephant scat on a path often used by villagers. (Photo by Ipolokeng Katholo)

Lauren Redmore '09 has seen that, at least in a certain time and space in Botswana, it can be a challenge for giant elephant herds and small communities of indigenous people to coexist.

It's the kind of perplexing problem embedded in an attraction she first felt as a little girl.

"Growing up, I really was drawn to conservation heroes like Jane Goodall, but I never knew it was a career I might have," she said. "In high school, I was fortunate to have a teacher who opened my eyes to the importance of biology as it relates to conservation." Later, a professor at Dickinson College, where she earned her bachelor's in biology and religion, helped spark her desire to study how people interact with the natural world.

While earning her master's in forest resources in OSU's College of Forestry, Redmore studied how female timber owners in WOWnet, the Women Owning Woodlands Network, worked together to more effectively steward resources they owned.

Redmore's cohort in the college was an "amazing community of super-intelligent people," she said. Overall, her Oregon State experience left her with a strongly multidisciplinary focus on studying the interface between people and their natural environments.

She served in the Peace Corps as an agroforestry volunteer in Cameroon, and for the World Wildlife Fund, and eventually ended up in Botswana, studying a refuge with 18,000 elephants and 16,000 humans in an area the size of Yellowstone National Park.

Now a doctoral student at Texas A&M, she earned a Fulbright grant and used it to settle in a Botswanan village of about 500 people. Local communities were steadily growing, partly because scattered families of indigenous farmers found it unsafe to live among the elephants, which did things like knock down their huts while walking at night. Because the farmers can't farm in the villages, the government sends them food.

Living among elephants, Redmore said, "turns out to be a complex set of experiences." One of the adaptations she witnessed was that villagers would often pick up firewood along elephant pathways during the day, because the giant animals would knock branches off trees as they traveled the paths at night. She's now studying how people in the area influence where the elephants go, and also how the gatherings of multiple families in communities — partly to be safe from elephants — change the social structure of the human population.

"Part of what's so exciting about studying people living with 18,000 elephants is that elephants are the largest land mammal, they're intelligent and they can be very dangerous. If we can see how people can live successfully with elephants, that has exciting implications for other conflicts." 🍌

A primer on Vitamin B from LPI's experts

The Linus Pauling Institute at Oregon State University receives many questions from all over the world about dietary supplements. Here, the institute answers some common questions about B vitamins.



What are B vitamins?

B vitamins are critical to normal body function. There are eight members of the B vitamin family: thiamin (B₁), riboflavin (B₂), niacin (B₃), pantothenic acid (B₅), vitamin B₆, biotin (B₇), folate (B₉) and vitamin B₁₂. Although they share a similar name, B vitamins have distinct structures and roles in metabolism.

Like all vitamins, B vitamins are essential nutrients that are not synthesized in the human body, and must come from the food we eat. B vitamins are water soluble, unlike the fat soluble vitamins (A, D, E and K). Therefore, they must be replenished in the body on a regular basis.

Which B vitamins deserve special attention?

- » **All B vitamins** need to be consumed in the diet. Only a balanced diet, rich in plant-based foods, provides adequate amounts of B vitamins.
- » **Vitamin B supplements** can contain pro-vitamins molecules. Our cells can

transform pro-vitamins into the active form of the vitamin. For example, folic acid, a synthetic form of folate, is converted to vitamin B₉ inside the body.

- » **Vitamin B12** — Intestinal absorption of vitamin B₁₂ from food tends to decrease as we grow older. Thus, the Linus Pauling Institute recommends that adults older than 50 years take 100 to 400 µg/day of supplemental vitamin B₁₂. Others may also have difficulty absorbing vitamin B₁₂ from food, but this requires blood tests to confirm. Vitamin B₁₂ can only be produced by bacteria, so it is concentrated in animals higher in the food chain, and not found in plants.
- » **Folate** — Supplementation with at least 400 µg/day of folic acid is recommended for all women of childbearing age. This is intended to lower the risk of birth defects in the developing fetus.

What is a vitamin B complex?

A vitamin B complex is a dietary supplement that contains multiple B vitamins together, typically all eight of the vitamins. The amount of each B vitamin varies from one brand to the next. These supplements can contain more than the recommended daily amounts of each B vitamin.

Is it necessary to take vitamin B supplements?

It is usually not necessary as B vitamins are found in a wide variety of foods. Data show that most people in the United States get enough of these vitamins from the food they eat. The only exception to this is individuals who exclude animal products from their diet, as they are the only good sources of vitamin B₁₂ outside of supplements.

Are there harms in taking too many B vitamin supplements?

Excessive intakes of certain B vitamins — usually from supplements — can cause serious adverse effects. It is important not to take supplements that far exceed recommended levels. The National Academy of Medicine has set tolerable upper intake levels for niacin (B₃), vitamin B₆ and supplemental folic acid/folate in order to prevent these adverse effects.

What if I have more questions about vitamin B?

The Linus Pauling Institute's Micronutrient Information Center (lpi.oregonstate.edu/mic) has scientifically accurate information on every B vitamin, and specific inquiries can be emailed to lpi.mic@oregonstate.edu.

— Alexander Michels, research associate, LPI

The Linus Pauling Institute is a world leader in molecular nutrition research. Make a gift today at osufoundation.org/GiveToLPI.

Secrets to success

Oregon State Ecampus consistently earns national rankings. How?

By Tyler Hansen

Since the late 1990s, the offices of Oregon State University Ecampus have occupied a small section of the Valley Library's fourth floor in Corvallis. It's a modest space on a stunning, 400-acre campus.

Within that small footprint resides one of America's most respected online education providers, one whose operations are grand in scope and whose reach is increasingly global.

In January, Ecampus was ranked No. 3 in the nation by *U.S. News & World Report* for Best Online Bachelor's Programs. It is Oregon State's fifth straight year in the top 10. How does Ecampus sustain this national reputation? Here are a few key factors:



Strength in numbers

Ecampus draws a sharp distinction from other institutions by developing all of the university's online programs and courses in-house through partnerships with more than 800 Oregon State faculty members and 10 colleges.

All Ecampus degree programs are developed by the same faculty who teach on campus. All online courses meet identical learning outcomes as face-to-face classes. And all distance learners earn the same diploma as on-campus students.

Such widespread collaboration paired with Ecampus' award-winning faculty development program means that an Ecampus education is an authentic OSU education.



History in the making

Oregon State is at the forefront of innovation in online education. The use of emerging technologies — from virtual reality in a soil science class to a 3-D virtual microscope in online biology labs — helps

Ecampus multimedia developers and faculty create in-demand learning opportunities that often are not available anywhere else.

These trailblazing efforts force people to rethink what's possible in higher education.

"I've become something of an ambassador for online education among my peer instructors, particularly those at other institutions," said Brian Sidlauskas, an associate professor in the Department of Fisheries and Wildlife who created a 3-D fish model online database. "Most other ichthyology professors initially assume that it is impossible to teach these classes without access to physical specimens, at least until I show them what we are accomplishing."



Research in action

U.S. News & World Report factors peer reputation into its ranking. OSU earned the second-highest score in that category this year thanks considerably to the Ecampus Research Unit.

How does the ECRU boost the university's profile? It provides resources for faculty and staff to conduct original research, is the driving force behind a new book on high-impact practices in online education, produces a popular weekly podcast, publishes national studies and creates tools that meet vital needs.



A focus on students

Learning online doesn't mean learning on your own. Ecampus courses are designed to foster engagement among classmates and with instructors and the content. This often creates an active learning environment that gives students a more engrossing experience while providing skills they'll need when they hit the workforce.

"What I really liked about learning online with Oregon State was the hands-on science work," said 2018 agricultural sciences graduate Maria Carpenter, now a rangeland specialist for the Bureau of Indian Affairs. "It's exactly what they do in the field, so being able to go into a job and already have that knowledge base really set me up for success."

Tyler Hansen is senior writer and communications manager for Ecampus.

#3

IN THE NATION

BEST ONLINE BACHELOR'S PROGRAMS AND PROUD TO SAY IT.

Oregon State University Ecampus is ranked No. 3 in the nation by U.S. News & World Report. It's the **fifth straight year we've made the top 10** for Best Online Bachelor's Programs.

We earned this distinction by staying true to the land grant mission that has guided Oregon State for 150 years. **By embracing our responsibility to Oregon and the world.** By partnering with more than 800 OSU faculty members to deliver an Oregon State education to learners **from Corvallis to Egypt** and everywhere in between.

It's not our goal to win national awards, but when we do, we are proud because it reaffirms what alumni like you already know: **Oregon State is home to greatness.**



Oregon State's online program fits mobile military lifestyle



By Julie Cooper | Photo by Madeline Settle

Devoting 15 years of work to anything is a big deal, whether it's a job, a home, a relationship or — in Janine Romero's case — a college degree.

She started working toward her bachelor's degree at age 19 while living overseas with her husband, Lee, who is in the U.S. Air Force. Constantly moving to new locations, including Asia, with her husband meant Janine's degree pursuit moved at a stop-and-go pace.

"I had all these transcripts from all these different schools, and I didn't have a degree," she said. The Romeros now live near Cannon Air Force Base in Clovis, New Mexico.

When she took stock of all the hard work she'd already invested, Romero realized she'd need to try something different to reach the finish line. So she looked for a degree program that would go anywhere she did.

To ensure that her long-earned degree would be tailored exactly to her goals, she didn't settle as she searched for a military-friendly university that offered a rigorous and well-rounded education to fulfill her interests in the humanities and the sciences.

She found her match in the OSU Ecampus liberal studies degree program, began working toward an OSU degree in spring 2016 and graduated in 2018.

Offered by the OSU College of Liberal Arts, which College Choice ranked No. 1 in the nation for best online liberal arts colleges, the liberal studies program allows students to draw from a variety of subjects and design their own major. (Overall, Ecampus ranks No. 3 in the nation for its online bachelor's degree programs, according to *U.S. News & World Report*.)

Romero was able to create a program in which she drew from theater, music, literature, philosophy and natural sciences to

inform her liberal studies education. She calls it her “choose-your-own-adventure degree.”

This personalized education prepared her to make a career out of her lifelong appreciation for the arts, and it enabled her to pursue new interests that surfaced as she gained work experience.

In 2014, she had started working with Upward Bound, a federally funded program that helps low-income and first-generation students prepare for higher education. Working with students at her local community college, she began to see a future for herself in college outreach, tutoring and mentorship.

She taught theater and creative writing during the Upward Bound summer program, bringing arts and humanities education to youth in Clovis and its surrounding rural areas.

“I feel like I earned a degree in rhetoric,” she said after traveling to Corvallis to receive her degree. “I really know the messages that people are trying to communicate, how they communicate them, where they go, who hears them and who sees them.”

Degree in hand, the strengthened critical thinking and interpersonal communication skills she gained while learning online with OSU Ecampus earned her a position as an academic specialist with Eastern New Mexico University Upward Bound, where she helps students reach their academic and career goals.

Though she earned her degree from a distance, Romero found connection to the university through her classmates and instructors, as well as military representatives at OSU who helped answer questions about transferring her husband’s military benefits and balancing school with home life as a military spouse.

“The military resources at Oregon State were wonderful,” she said. “Every question I had, every phone call I made, every email I sent was returned to me; and it was kind, knowledgeable and informational.”

In her online classes — just as Oregon State’s on-campus students do — Romero practiced speaking with her conversational partners for foreign language courses, communicated with her instructors, experienced hands-on learning through lab kits and took (virtual) field trips around Oregon that helped her feel connected to the university’s physical location.

“Nothing was far away,” she said. “I was always afraid that I would just be a number as an Ecampus student. I feel like the instructors here, they know who I am, and it’s because I was able to engage with them as often as I did.” 🍷

Julie Cooper '18 is a writer for OSU Ecampus.

See a video featuring Romero discussing her Ecampus experience at bit.ly/ecampusromero.

Top-ranked education supports military life

44%

of OSU’s military-affiliated degree-seeking students took classes online in 2017-2018.

#3

Oregon State Ecampus’ ranking by *U.S. News & World Report* for Best Online Bachelor’s Programs for Veterans.

85%

of military students use military tuition assistance for online courses, according to the Department of Defense.

CEOAS community resilient after Burt Hall fire

Roberta Marinelli, dean of the College of Earth, Ocean, and Atmospheric Sciences, was in the air flying home from a business trip when the fire started.

Tuba Özkan-Haller, associate dean for research and faculty advancement, was in a meeting in another CEOAS building nearby.

Just as Özkan-Haller answered a call from a colleague telling her the building next door was on fire, a faculty member opened the door and calmly but firmly said, “There’s a fire in Burt; we need to evacuate.” Özkan-Haller helped sweep the building for stragglers, then saw flames as she made her own exit.

No one in the CEOAS community will soon forget Nov. 30, 2018, the day of the Burt Hall fire. The investigation continues as the university works through a complex insurance claim, but it’s clear that the blaze started in a scientific microwave oven in one of Burt’s many labs and quickly spread through an area containing various acids and other potentially noxious chemicals. By the time it was over, research spaces throughout a large part of the building, involving 40 scientists, 10 labs and many extremely expensive scientific instruments, were ruined.

Marinelli, Özkan-Haller and the rest of the CEOAS community were immediately relieved that no one had been hurt, and then increasingly shocked at the damage in the research spaces. CEOAS consistently ranks among the elite institutions of its kind in the world, which only heightened the impact of the fire. Graduate students lost valuable work and potentially faced setbacks in progress toward their degrees. Veteran scientists saw samples they had gone to the ends of the Earth — sometimes literally — to collect, rendered useless by contaminants. Custom-built instruments that were unique in the world — so much so that researchers from around the globe sent samples to Corvallis for analysis — were destroyed.

Marinelli emphasized from the beginning that the first priority was to get the student researchers back on track. But it was obvious that all who had worked in the damaged areas were deeply affected.

“It was heartbreak,” she said. Still, she and Özkan-Haller said, it was remarkable how quickly the CEOAS team moved from emotional devastation to a “Let’s rebuild this thing, only better,” attitude. Accustomed to overcoming extreme conditions in their field work and solving thorny problems in their labs, the researchers got down to business, drawing up new testing instruments and better lab spaces.

“This has been an all-hands thing,” Marinelli said. “Everyone has stepped up. Jason Balderston, our facilities and operations manager, has been incredible.”

Özkan-Haller said there’s a new, stronger sense of community that extends beyond those directly affected by the fire.

“There are ups and downs,” she said, “but when one person is down, a colleague will be there to help.”

Marinelli is proud of her team and optimistic about the future.

“This is the silver lining, the strong partnership that has developed throughout the college. It might take a year (from the time of the fire), but we will recover and be better.” 🍷

— Kevin Miller, editor, and Desirae Wrathall, CEOAS director of alumni relations

From left, Tuba Özkan-Haller, Jason Balderston and Roberta Marinelli survey post-fire work in Burt Hall. (Photo by Hannah O’Leary)



Climate scientist Washington honored by peers



Pioneering climate scientist Warren Washington, who received his bachelor's and master's degrees from OSU, is co-recipient of the 2019 Tyler Prize for Environmental Achievement, often referred to as the "Nobel Prize for the Environment."

A native of Portland, Washington is credited with "writing the book" on climate modeling. He collaborated on one of the first computer models of Earth's

climate and has expanded the model to incorporate oceans, sea ice and rising levels of carbon dioxide.

Also receiving the award — and sharing the \$200,000 prize — is well-known climate change expert Michael Mann, who developed the "hockey stick graph" that shows how the Earth is warming. The pair will deliver a public lecture about their work on May 2 at the University of California, San Francisco Mission Bay Conference Center, and receive their awards in a ceremony on May 3 at the Ritz Carlton Hotel in San Francisco. Washington is the first African-American to receive the prize in its 46-year history.

"Warren is truly a pioneer in the field of climate science — we can still see his first footsteps," said Philip Mote, vice provost and dean of the graduate school at Oregon State and professor in the College of Earth, Ocean, and Atmospheric Sciences. Mote has known Washington since Mote was a graduate student at the University of Washington.

Washington's early models enabled scientists to calculate the impact of increasing greenhouse gas emissions and were instrumental to the findings of the 2007 Intergovernmental Panel on Climate Change assessment report, which was awarded a Nobel Peace Prize. He advised six U.S. presidents on climate change, and President Barack Obama awarded him the 2010 National Medal of Science.

He earned a B.S. in physics from OSU in 1958 and a master's in general science in 1960. After receiving his Ph.D. at Penn State, he began his professional career at the newly created National Center for Atmospheric Research in Boulder, Colorado. He was an OSU Alumni Association fellow in 1989, received the association's highest honor, the E.B. Lemon Distinguished Alumni Award, in 1996, and was Commencement speaker in 2006.

Washington will be back at OSU Oct. 10 to receive the OSU College of Science's Lifetime Achievement Award in Science, and on Oct. 11 for a public lecture, "Computer Simulation of Past, Present, and Future Climate Change." Details are pending. 🍌

SUSTAINABILITY STARTS IN YOUR BACKYARD

Permaculture Design Certificate Online

Oregon State University's mission-driven commitment to environmental progress takes many forms. For faculty members like **Andrew Millison**, it means taking sustainability education beyond the classroom—and into our own backyards, gardens and small farms. **This flexible online program is open to alumni and friends from around the globe.** Join us and learn how you can make a difference, right in your own backyard.

Professional & Continuing Education
pace.[oregonstate.edu/permaculture](https://www.oregonstate.edu/permaculture)

100+ career-accelerating programs online & on-site + workforce development



Oregon State
University



He can get the word out

By Gretchen Schrafft | Photo by Hannah O'Leary

OSU Honors College students are extremely well-informed — and not just because of how hard they study. Every weekday morning, their Instagram lights up with a new issue of “Your Daily Briefing,” a snappy, upbeat, well-designed rundown of what’s happening in the Honors College community. In a matter of seconds, the 1,000-plus followers learn about application deadlines, internship opportunities and mid-term study breaks — not to mention get inspired by a memorable quote, captivated by a photo or engaged by a question clicker. Put another way, it’s everything a long-winded email newsletter isn’t. In fact, “Your Daily Briefing” is so good at engaging its busy student audience that communications professionals across campus often ask the Honors College: “Who does your Instagram?”

That would be Hamza Molvi, a 23-year-old Honors College student and employee whose design and digital strategy know-how has even the dean deferring to his recommendations. Molvi

joined the communications team in spring 2016, at a time when the Honors College was looking to build up one of its social media channels. Already an avid Instagrammer in his spare time, Molvi went to work increasing the college’s Instagram users from around 200 to the more than 1,000 it has today — a titanic effort that, among other things, means he gets up between 5 and 6 a.m. nearly every weekday of the school year to publish “Your Daily Briefing.” “I’ve adapted my schedule around it,” he said of the project he’s managed for over two years. “It’s such a habit that I’m always awake at that time.”

Molvi, who is of Pakistani descent, said his work ethic and enthusiasm for learning were instilled early on by his mother, a pediatrician and single parent, who often had to bring him and his younger sister with her to the hospital on nights she was on call and couldn’t get childcare. He was 8 when they moved to Corvallis so she could take a job at Good Samaritan Regional Medical Center, and 10 when he fell in love with photography and got his first camera. He’d also always been a “techie person” with a fascination for “the latest gadgets,” but by the time college rolled around, he’d become a biology major with plans to go into medicine.

It was through his work at the Honors College, Molvi said, that he was able to discover his real passion. A freelance event photographer gig his sophomore year led to a media assistant position that helped him realize how he could combine his interests in art and technology to tell what he calls “the untold story.” In addition to helming the Honors College’s Instagram — @osuhonors — he’s led large print projects like the redesign of *Honors Link*, the college’s annual magazine, and has created full-page ads, including the one that appears on page 25. By 2017, his reputation preceded him to the point where, when he applied to intern at OSU’s Office of Advocacy, they instead created a marketing post for him. Now a marketing and business information systems double major, Molvi believes design has the potential to make a real difference in people’s lives. His work for the Office of Advocacy, a free legal advocacy service for students, offers a perfect example. Many students weren’t aware that this important service existed — a problem compounded by a confusing website, which Molvi completely redesigned.

“I realized that if I were a student going through something on campus, I would want to know who I was meeting with,” he said, and the new design reflects that. Now, visitors to the homepage are greeted with a full-screen photo of the advocacy team “so when you come in, you’ll already have a little familiarity with the people you see there,” as well as “the realization that we all really care about the students here.”

Molvi expects to graduate from the Honors College this June. His supervisor, Honors College Admissions and Communications Director Gildha Cumming, said he’ll be difficult to replace. She has a theory about his Instagram success: “To me, what made it work is Hamza being who he is. He’s very inclusive. He’s a community builder. He has a following, and it’s his style and his personality that makes that happen.” 🍷

Gretchen Schrafft earned her MFA in creative writing from OSU in 2016. She is a teacher and writer and lives in Denver.

HONORS COLLEGE

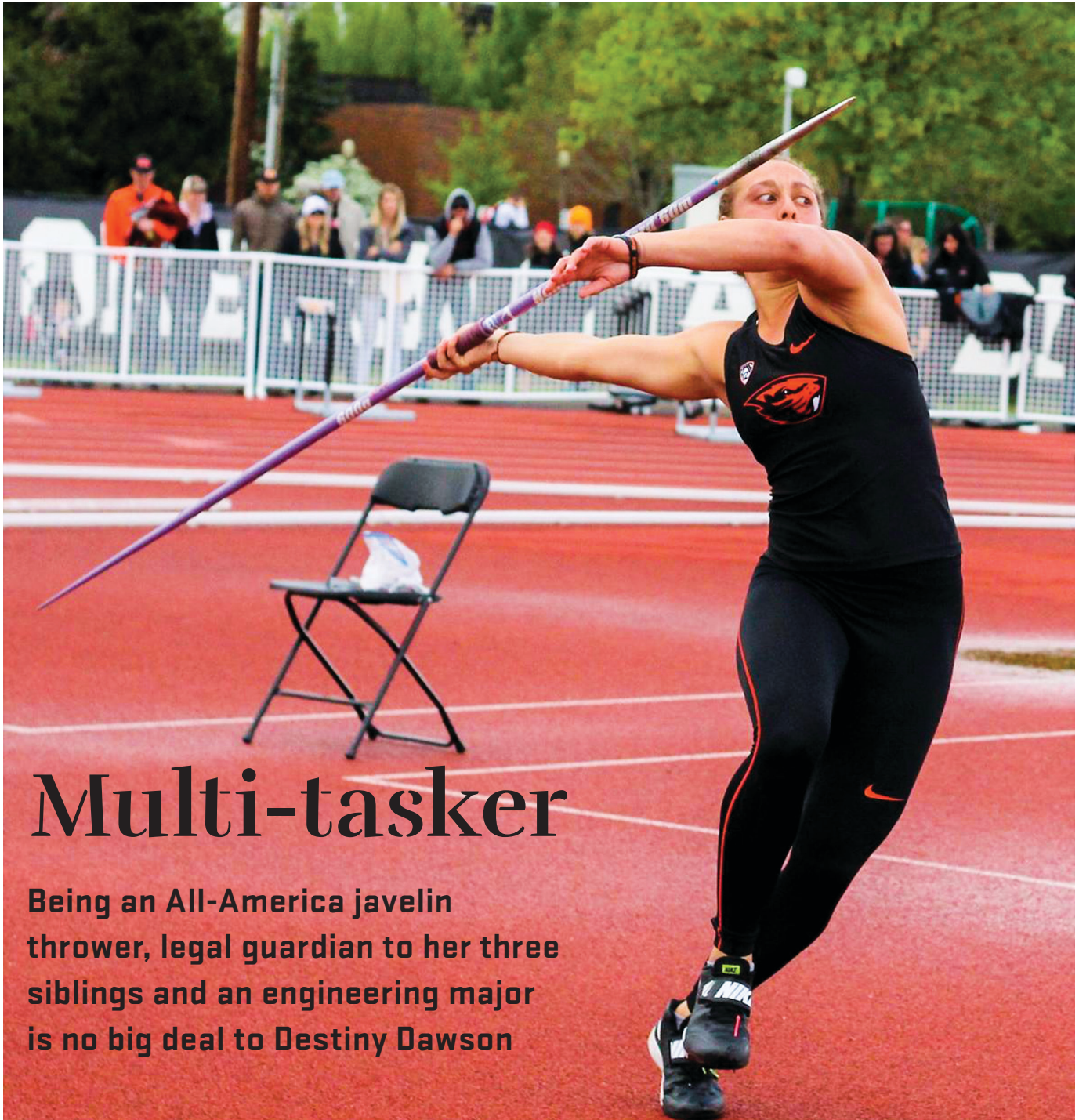
THE FUTURE STARTS HERE.

In the Oregon State University **Honors College**, every day brings the promise of endless possibilities. Here, the university's top faculty create pioneering courses that go beyond disciplinary boundaries and classroom walls, while passionate, talented students engage in projects that push the limits of their fields, working side by side with world-leading researchers. The future inspires us; innovation drives us.

Together, let's discover what's next.

Contact us to learn more.





Multi-tasker

Being an All-America javelin thrower, legal guardian to her three siblings and an engineering major is no big deal to Destiny Dawson

By Kip Carlson

Destiny Dawson had an inkling that one day it would fall to her and her boyfriend, Darren Voigt, to take care of her three younger siblings. She just hoped it would be a few more years down the road.

After she finished her civil engineering degree at Oregon State. And after she finished her career as an All-America javelin thrower for the Beavers.

But in June 2017, as she was wrapping up her junior year, her mother asked if she and Voigt, Dawson's boyfriend since high school, could take in her half-brothers Makana, then 13, and Kingston, then 8. The couple talked it over, determined they

could handle the financial impact, discussed it with Voigt's mother and then agreed. Just before finals week, their household doubled in size.

"The next week was a little hectic," Dawson said. "I was like, 'I need to focus,' but I'm also trying to learn to put a family together, and Darren's got work. He was working more at the time, so it was a bit of a mess that week. But I passed all my classes, so it went okay at least."

Just over a year later, in August 2018, half-sister Christle, then 7, came to live with them as well. Since then, Dawson, Voigt and the children have settled into a routine that keeps her busy balancing family life, working toward her engineering degree and



improving on last spring's ninth-place finish in the javelin at the NCAA Championships.

At 21, Dawson is legal guardian to all three siblings.

On a family-centered Sunday evening this winter, happy sounds of foosball and video games and the aroma of chicken and carrots on the stove filled the family's duplex in Adair Village. Dawson was estranged from her mother — and thus from her younger siblings — for a year while in high school in Cottage Grove. But she never stopped missing them.

"It was always in the back of my head," Dawson said. "Even though I was living my life like it wasn't that big a deal, that was my biggest thing."

She had grown up aware that her father, despite struggles of his own, had always loved her. Her younger siblings, she thought, also deserved to feel the unconditional love of family.

"I wanted to do that for them," Dawson said. "It's really nice to see them growing up, because I didn't think I was going to. For years, it was maybe once a year, so now seeing them every single day, seeing them grow up, seeing them learn, all their achievements and failures, all of it coming together, turning into themselves — I'm excited. It's so fun."

Intense about success in the javelin and in the classroom, Dawson shares homework time with sister Christle while brother Makana — done with his homework — gets in some video gaming. (Photo by Hannah O'Leary. Opposite page photo by David Nishitani)

Since the three arrived, their schoolwork has improved; it helps to have an engineering major as a role model. Dawson relates to the three as their sister and as a mother figure. Makana had been used to looking after the other two, but he is steadily relinquishing that role to Dawson, freeing him up to be a kid again.

"The transition has been kind of hard, but it's happening, so it's nice to see," Dawson said.

Dawson and Voigt began dating in Cottage Grove and were together through the two years Dawson spent at the University of Hawaii before she transferred to OSU.

"They've been together through high school, and they've been through a lot of ups and downs," said David Dumble, the OSU assistant coach who works with the throwers. "For them to both take on this task with smiles is just extraordinary."

Voigt had no hesitation about helping head a three-child family at age 23. His mother was a single parent; he helped care for his younger brothers.



Dawson's longtime boyfriend, Darren Voigt, above with Toby the dog, is an active partner in family life. At right, Kingston made a valentine for Destiny. Opposite page, a fist bump marks a point scored in a male vs. female foosball match. (Photos by Hannah O'Leary)



"So I was, 'Sure, let's do it. What do you need from me?'" he said. His mother has been a sounding board. Friends have also helped.

"These kids have brought everything together, and it just makes everything so much more fun," Voigt said.

That "fun" involves a lot of choreographing logistics. Voigt works extended shifts three days, enabling him to be home more days with the kids.

Dawson's days begin about 5:30 a.m. so she can start the family parade through the bathroom and then get things in order for the kids to make their school bus.

"Five minutes changes a lot, getting behind by five minutes," she said. "They've had a few times they missed the bus and it ruins everything, so we try our best not to make that happen."

On a typical day, Dawson leaves at 7:15 for the 10-mile drive to campus and spends her day in a combination of weightlifting, class, labs, javelin practice and team captains' meetings, with a lunch break thrown in somewhere. On Voigt's days off, he's home when the kids get home and can cook dinner; on the other days, the kids go to the Boys & Girls Club after school until their big sister can pick them up and head home to prepare dinner.

After dinner, it's time for homework for kids and college student alike. Dawson tries to do hers on weekends, but sometimes weeknights will find her up until 11:30 finishing an assignment. If something doesn't get finished then, she tries to sneak a few minutes in the morning to wrap it up.

Dawson became interested in engineering in high school after her basketball coach, Kerry Clawson, suggested she look into it. She sees civil engineering as a four-year route to a degree that would still let her pursue a master's degree in architecture. She wants to help design buildings with sustainability in mind.

"Construction — the whole industry — is a big old cause for CO2 emissions and whatnot," Dawson said. "I want to be part of changing that."

Dawson's track and field career has bloomed from being a walk-on at Hawaii to earning a scholarship there, then transferring to Oregon State when she



and Voigt decided to return after two years in the islands. After redshirting in 2017, Dawson placed third at the 2018 Pac-12 Championships with a school-record throw of 168 feet, 11 inches. At the NCAA Championships in Eugene, she reached the finals with a throw of 170-3 and then set another personal record of 171-7 to place ninth. That earned her All-America second team honors — less than two feet from first team — and left her decidedly unsatisfied.

“Everyone was, ‘Oh, you’re an All-American’ and all this business,” Dawson said. “Yeah, but I’m second-team All-American, and I’m going to hold onto that because it’s not the same thing.”

Heading into the season, Dumble — one of the nation’s top throws coaches — sees Dawson as stronger, training better and more technically sound. He thinks she could add 10 feet to her personal record and throw consistently in the 170s.

Dumble has never had a thrower blend the role of elite athlete with being a parent or guardian; he calls it “phenomenal.” Each term, he and Dawson work out a plan that coordinates her family and academic responsibilities with her workouts. He said that although Dawson’s family responsibilities sometimes draw her away from team social activities, she’s an excellent teammate and one who leads by example.

“When she shows up, we all love hanging out with her,” Dumble said. “She’s really a lot of the glue that holds us together. ... She gets along with everybody.” He especially appreciates her innate ability to calmly adapt to the challenges of life.

“She doesn’t get rattled too often ... and I appreciate it. It’s very helpful on a stressful day or if things aren’t going well. She’s just so laid back. It’s really cool,” he said.

The admiration is mutual.

“He’s been a great coach,” Dawson said of Dumble, “and he’s not the only one who’s been great. Everyone has been great. Izzy (Batayola), my strength coach, and everyone in there has been great. Our coach Louie (Quintana), and Kelly (Sullivan, former head coach), when he was here, have been great.”

Dawson strongly prefers no special treatment in her athletic and academic work. If something comes up where having the kids conflicts with a class or workout or practice, she’ll bring them along and have them wait, out of the way, coloring or watching videos.

“They’ve done that a couple of times, and we’ve all gotten to say hello and get to know them,” Dumble said.

Dawson does recall one time when she mentioned her living situation to a professor, because a truck breakdown had prevented her from meeting a deadline.

“That’s all it took,” Dawson said. “She was like, ‘What? You’re the guardian of your little brother?’ I was, ‘Yeah, I’ve got two.’ ... I didn’t even get to explain that (truck breakdown) because as soon as she heard that, it was, ‘Oh, it’s fine, go ahead, you’ve got time.’”

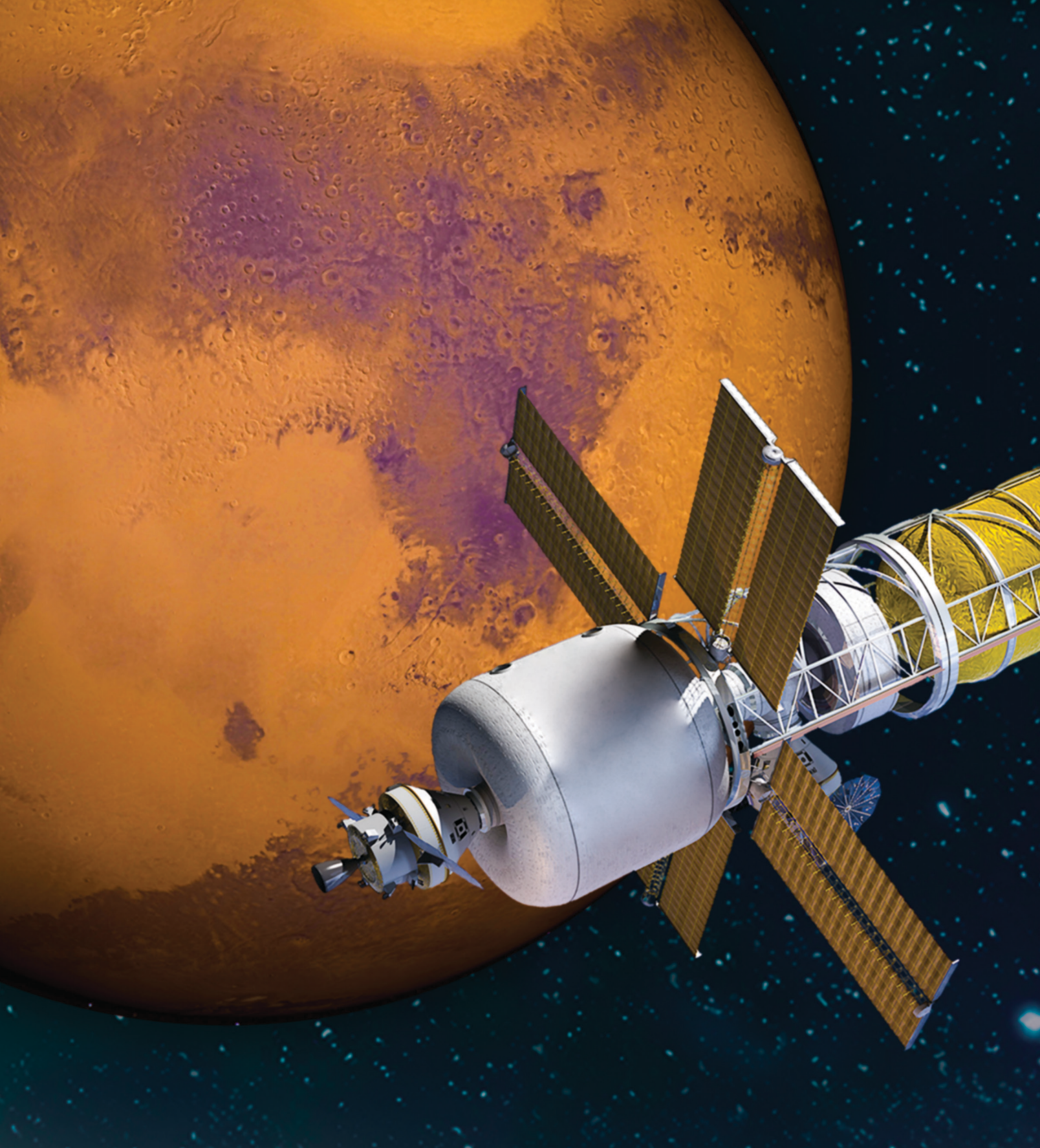
“I was kind of like, ‘I’m going to take this one because I need another day to get this assignment done,’ but before then I was cautious about it, and after that I’ve been especially cautious about it, because I don’t want it to be like that.”

Dawson is also averse to being told what a great thing it is that she’s there for her siblings, and she was relieved when her teammates finally quieted their admiration. (Editor’s note: She agreed to this story to spotlight OSU and its track and field program, not herself.)

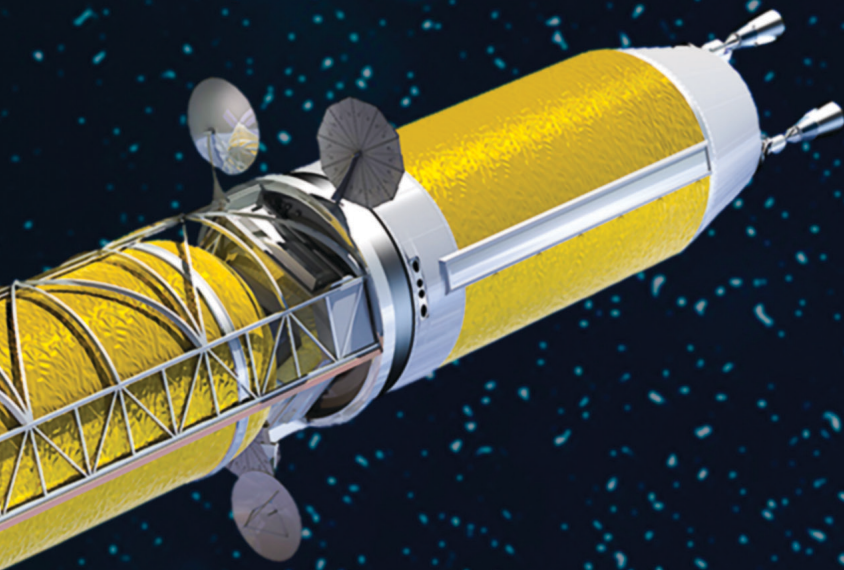
“This isn’t against anyone,” Dawson said, “But it really just annoys me to have everyone praising me so much. Everyone is, ‘You’re doing such a great job, this is great, I can’t believe it, blah-blah-blah, how do you do it?’ and everything.”

“I don’t know what to tell you. I’m just doing it, and this is how we do it, and we wouldn’t do it any other way.” 🍷

Kip Carlson is associate editor for sports at the Oregon Stater.



One NASA vision of its Mars-bound spacecraft is a cylindrical structure of tubes and trusses stretching about 100 meters from tip to tail, with a crew capsule at one end and three nuclear engines at the other. (Rendering courtesy BWXT Nuclear Energy Inc.)



A need for speed

OSU graduates work to find faster, more radiation-safe technologies to get astronauts to Mars and back.

By Steve Frandzel

Going to Mars? Go fast. A quick trip means more time to explore the planet, but it also means less exposure to the abundant hazards of space travel, like atrophied bones and muscles and other debilitating physiological effects of hanging out in microgravity. Add to that cabin fever, stress and prolonged isolation. And radiation, which is among the least understood threat of all and perhaps the most difficult to counteract.

Until they re-enter Earth's protective magnetosphere on the return trip, the Mars crew will endure ionizing radiation at levels far greater than on Earth, where U.S. residents, for example, are exposed to natural background radiation averaging three millisieverts (mSv) each year. Occupants of the International Space Station are, on average, exposed to 72 mSv every six months — the equivalent of 700 chest X-rays. NASA

expects the cumulative dose from a Mars mission to top out at eight times more than that — about 600 mSv. That's more than enough to raise concerns about increased long-term cancer risk. Even within the two- or three-year span of a round trip to Mars, astronauts could develop any number of radiation-related side effects, such as short-term memory loss, reduced resistance to infections, heart disease, stroke and even blindness.

Interplanetary speed, though, is elusive and hard won — an extraterrestrial Holy Grail. The most powerful rockets in use today could haul a crew to Mars in a plodding nine months. But a rebooted technology conceived and developed in the 1950s called nuclear thermal propulsion (NTP) could shave that time in half, and a couple of College of Engineering alumni are in the thick of NASA's NTP revival.

Jarvis Caffrey '17, a radiological and nuclear engineer at NASA's Marshall Space Flight Center in Huntsville, Alabama, has an OSU doctorate in nuclear engineering and is focused on reducing astronauts' radiation exposure. Wesley Deason '13, with a master's in nuclear engineering, is an advanced systems engineer at Ultra Safe Nuclear Corporation (USNC) in Seattle, where he is helping design reactors that would power NTP engines. Though NASA may end up choosing a different propulsion system, the agency is looking hard at NTP.

Both men say their graduate work at OSU prepared them ideally for the monumental, life-or-death research challenges embedded in their work.

"I really cherished the time that I spent at Oregon State," Caffrey said. "The Nuclear Science and Engineering faculty and the staff of the Radiation Center all created a spectacular community and facilitated an incredible learning experience. I am especially appreciative of my advisor, Dr. David Hamby, who provided all of the tools and resources I needed to find my passion and jump-start my dream job at NASA."

Deason said the most essential thing he learned at OSU was to consider approaches that transcend conventional wisdom, but to do it with strong scientific discipline.

"I was greatly inspired by my advisor, Professor Andy Klein, and his research group, 'The Lunatic Fringe.' ... He let us roam and discover new things by asking new questions. Taking that risk and challenging old concepts and old ideas takes courage. He also instilled principles of professionalism, hard work and integrity. Learning the virtue of integrity was most important of all. If you don't maintain it yourself, then researching ideas on the lunatic fringe of science and engineering is all for naught."

Conventional rocket engines burn stored fuel to create thrust. To support combustion, they need oxygen, a lot of it, which must be super-cooled and hauled into space. Oxygen accounted for almost one-third of the weight of launch-ready space shuttles.

In an NTP engine, highly pressurized hydrogen flows through the blisteringly hot core of a nuclear reactor. The superheated hydrogen blasts out the exhaust nozzle at a dizzying nine kilometers per second (20,132 miles per hour), producing immense and sustained thrust. Nothing burns, so oxygen is not a factor in the power equation.

"NTP engines give you an enormous amount of self-contained power and flexibility," Deason said. "You don't need to carry millions of gallons of combustible materials, because you can tap all



Jarvis Caffrey



Wesley Deason

the power you need from a small amount of uranium. It's almost magical. The system doesn't depend on orientation to the sun, either, like a solar-powered engine would. In an emergency, you could turn your ship around, fire up the engines and head home, even months after leaving Earth. You can't do that with a conventional rocket because you'd run out of fuel."

Deason and his colleagues at USNC support the work of BWXT Nuclear Energy, the company NASA selected to create conceptual designs for the engines. With the help of computer modeling, Deason determines optimal reactor dimensions and fuel configurations for the reactor core, where temperatures reach nearly 5,000 degrees Fahrenheit — half that of the Sun's surface temperature and orders of magnitude higher than is produced by conventional, water-cooled reactors on Earth.

"We need to identify materials that can withstand those very hot, harsh conditions," he said. "One promising possibility is a solid-core, tungsten-based ceramic/metallic fuel mixture."

At the same time, some parts of the system must be cooled to keep them from self-destructing. To do that, some of the hydrogen propellant, which is stored in a liquid state at -420 degrees Fahrenheit, will flow over the reactor's exterior on its way to the blazing nuclear core.

Deason's team also must design a reactor that runs on low-enriched uranium. Early NTP designs were powered by highly-enriched uranium (HEU) — the kind used in nuclear weapons. But the U.S. doesn't manufacture HEU anymore. Using it would entail extensive and expensive additional security. "More guards and guns, as NASA likes to put it," Deason said.

NASA's vision of its Mars-bound spacecraft is a cylindrical structure of tubes and trusses stretching about 100 meters from tip to tail. The crew quarters are at one end, while a trio of surprisingly dainty looking NTP engines jut out the back. In between are supply modules, structural elements, antennae, solar panels and an enormous liquid hydrogen tank.

"The liquid hydrogen tank is about the size of a large school bus, but each reactor is only about the size of a big trash can," Caffrey said.

It's enough to power the spacecraft all the way from Earth to Mars and back.

Well, almost all the way. NTP engines aren't designed to lift heavy payloads against Earth's gravity and get them into space, so conventional rockets would propel parts of the ship into low-Earth



An astronaut trains in a mock-up of a capsule for the Mars trip. Below, a Martian panorama captured by the Opportunity rover. (Images courtesy NASA)

orbit. Technicians would assemble the Mars-bound vehicle in orbit. The crew would arrive in a separate launch vehicle, dock its living space to the mother ship, and then hurtle off toward Mars.

Once they're outside the sheltering bubble of Earth's magnetic field, radiation will streak around and through the travelers. They'll contend with three main types. Some is low-energy solar radiation, against which the spacecraft itself provides adequate protection. The dominant radiation threat, though, will be galactic cosmic rays from beyond our solar system — atomic cannonballs moving at near light speed. Galactic cosmic rays are frequently composed of the nuclei of heavy atoms. They can pass unimpeded through metal and humans, with the potential to damage tissue and DNA. Dealing with those risks is where Caffrey and his colleagues enter the picture.

"You can really just block a fraction of it with shielding, unless the shields are massive, and that's just impractical to launch and operate with because the weight is so great," Caffrey explained.

The NTP reactors themselves are a third source of radiation. Overexposure to the neutrons and gamma rays they emit

increases the crew's long-term cancer risk. Putting distance between the crew and the reactors helps, since the intensity of radiation drops off significantly as you move farther from its source, and the massive hydrogen storage tanks situated between the reactors and the living quarters serve as a built-in defense against reactor-produced radiation. The reactors, however, threaten the craft as well: Radiation can physically degrade unprotected areas of the craft, while radiant heat could boil off some of the cryogenically (supercooled) stored propellant.

"It's certainly possible to position shields near the engines to protect the crew," Caffrey said. "But what I'd rather see is a comprehensive solution that protects them and the spacecraft from all sources of radiation. I'd like to find solutions that can minimize the radiation dose to the components near the reactor, reduce the heat that reaches the propellant and minimize the radiation dose to the crew. One possibility is to install slabs of boron carbide, which protects well against neutrons. For gamma rays, very high-density materials can be effective, and tungsten works well, for instance, so it's going to be a combination of materials," Caffrey said.

Another option under consideration is repurposing materials that are already onboard to serve double-duty as radiation defenses. For example, the polyethylene tanks that hold drinking water could be molded around the living quarters to create a built-in barrier. Used polyethylene plastic food containers — astronaut trash — could be recycled and formed into yet another layer of protection as the Mars mission proceeds.

"Anything containing lots of hydrogen effectively blocks neutrons, galactic cosmic rays and solar particles, and water and polyethylene contain lots of hydrogen," Caffrey said. "In the long run, I think the key is finding a system that works for all types of radiation — from the engines, from the sun and from cosmic rays."

Optimistically, a manned trip to Mars won't happen for at least a couple of decades, though Caffrey wouldn't be surprised if unmanned NTP-powered probes launch during the 2020s.

"It's early," he said. "We're still very much in the planning stages of developing spacecraft architecture and designing engines. There's a lot of room to maneuver. A mission to Mars is a truly monumental undertaking; there are many design trade-offs and decisions to be made, but I think we'll get there. It's human nature to want to explore the next place, and Mars is clearly the next place. It's the ultimate destination." 🍷

Steve Frandzel is a writer for the College of Engineering.



Student media alive and well

Orange Media Network – and a new minor – train modern storytellers



By Denzel Barrie | Photos by Hannah O’Leary

Modern studios are part of Orange Media Network.

You can’t major in journalism at OSU, but you can still learn to be a journalist.

As soon as OSU began as Corvallis College in 1858 and as it developed into Oregon State Agricultural College by 1882, the campus community clamored for news. Long before OAC offered its first courses in journalism in 1913 — and created its school of industrial journalism in 1920 — student journalists gathered and published campus news and commentary.

The earliest major student publication on record is the *Hayseed*, published by students in the mechanics department (future engineers) in 1894. With no yearbook, editors promised that the *Hayseed* would satisfy “a want that has long existed among friends of the institution for ... something to keep fresh the memory of the ties once held so dear.”

Seven students undertook the project on their own, selling advertising space to local businesses to help cover costs. The *Hayseed* was filled with class histories, satirical jokes and engraved illustrations. In 1896, students who were unhappy with the *Hayseed*’s tone started *The Barometer*, a more serious campus literary magazine. Student-driven story-telling became an entrenched part of campus life that continues today.

Certainly, the “Baro barrels” — 50-gallon drums painted orange and filled daily with fresh copies of *Barometer* — that dotted the campus for decades are gone. But OSU students are nationally recognized for their robust media network. A sharp eye will notice sleek little kiosks around campus that hold a variety of student publications.

Today’s students may not pick up a paper copy of the *Baro* as often as they once did, but they’re still reading high-quality student journalism in print and on their phones, tablets and laptops.

In 2017, the *Barometer* won a Pacemaker award, a coveted award widely known as the Pulitzer Prize of college journalism, just one of many awards Beaver student media has raked in over the decades.

A visit to the fourth floor of the Student Experience Center reveals state-of-the-art offices and production studios. From this central hub, OSU students produce a newspaper, three magazines, broadcast TV and live radio 24/7. Welcome to Orange Media Network (OMN).

“Nobody said we had to do this,” said Kami Hammerschmith ’92 ’03, who has worked at OSU for more than 20 years and helped launch the network. She now works in OSU’s Precollege Programs unit and for SMILE (Science & Math Investigative Learning Experiences) precollege programs.

“The students wanted to rebrand and give us a better identity on campus,” Hammerschmith said of the creation of OMN. “We really liked ‘network,’ because that represented, we thought, the crossover of our different publications, and we were trying a lot more to be more multimedia.”

(To sign up for *The Juice*, Orange Media Network’s weekly online newsletter that highlights top stories and articles from student publications, visit www.orangemedianetwork.com.)

The shift to a more digital, networked approach had been coming for years.

“Nowadays people aren’t picking up the traditional newspaper and flipping through that,” said former *Barometer* editor Riley Youngman ’18. “They’re on their phones, flipping through news stories they’re seeing on Facebook or another website, whatever pops up on their screen.”

Every major media outlet, from *The New York Times* to *Newsweek*, is adapting to a new digital audience. Their readers don’t care so much about the crinkle of paper — they want content they care about, right in front of them, right now.

“We were behind the curve in terms of adapting to our audience, and the whole point of this is to reach our audience,” Youngman said. Although the national awards recognizing campus publications have been mostly for traditional journalism, students wanted and needed to quickly adapt to a digital mindset, he said.

Professor Emeritus Ron Lovell taught and mentored OSU student journalists for 24 years, mostly in the now-defunct Department of Technical Journalism. He has watched the changes in journalism with both nostalgia and pragmatism.

“That’s the way of the world,” he said. “The *Barometer* couldn’t ignore that.”

He noted that student media wasn’t a stranger to market forces even before the digital revolution. In the ’70s, he said, “*Prism* (founded as an arts and literary magazine) had died as a literary magazine. It was not doing very well, although it was funded. We limped along ... but students weren’t picking it up.”

For a few years, *Prism* regained its success by transforming into a campus news magazine and then eventually returned to publishing student art and literature.

Jodie Delsere ’15 faced bigger issues than just a lack of readership when she accepted the editor-in-chief position for the 2013 *Beaver* yearbook. Volunteers to staff the yearbook were scarce, and book sales and ad revenue weren’t meeting costs. Even students who ordered and paid for a yearbook sometimes didn’t pick it up.

“It just didn’t seem like it was a very beloved institution like it used to be,” she said.

Not willing to completely surrender, Delsere proposed the idea of transforming the *Beaver* into a quarterly magazine.

“The idea was that it would be a student life magazine, so it would report on all the things like the clubs and activities and goings on that would happen every term — a digest of the Beaver experience.”

Under the direction of subsequent editors, *Beaver’s Digest* has become a lifestyle magazine, highlighting campus celebrities,

offering tips on topics like getting the most out of a student’s first-year experience, and promoting popular student activities.

“It was completely not what I was imagining, but it was so good,” Delsere said.

The *Beaver* to *Beaver’s Digest* evolution is an example of how the Orange Media Network can help set students up for a rapidly changing media job market.

Miranda Crowell ’18 can attest that all kinds of businesses want to hire digitally savvy media producers and journalists with practical experience. Since graduating, she’s put her experience as OMN photo chief to good use as social media manager for Goat Yoga (goatyoga.net). Who knew people would pay for a yoga class surrounded by goats, but the strange new business that began in the Willamette Valley has taken the country by storm since its 2016 inception. Thanks in part to its social media presence, Goat Yoga quickly went viral, garnering coverage from prominent media outlets like CNN and the *Los Angeles Times*. Today, waiting lists for Goat Yoga classes can be as long as 1,200 people at some locations.

Crowell manages content from Goat Yoga classes and events held across the United States. Her experience as photo chief at OMN “not only opened doors as a student, but also helped me hone important skills future employers want to see. After my time as a student leader working with a team of my peers, working with goats is a piece of cake!”

OSU students’ continuing interest in journalism as a career led the university to create a new academic minor in the fall of 2018.

“We had a number of people with no degree in journalism that had editorial roles at OMN and were already getting fantastic jobs,” said Jillian St. Jacques, a senior instructor who helped launch the new applied journalism minor in the College of Liberal Arts. “We’d already been teaching magazine writing, food writing and critical reviewing.”

The applied journalism minor requires students to work in internships, in print, broadcast journalism or public relations — the more variety, the better.

“What I want them to do is go out and actually do it, as opposed to sitting in a class and hearing about it,” St. Jacques said. When they complete the minor, “They leave the program with a portfolio that they can go market.”

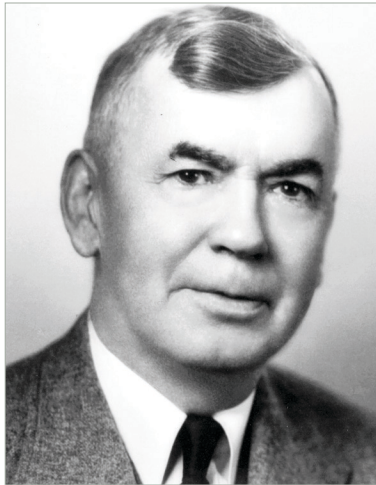
Employers want new hires that can “work on individual and team-reported stories that are presented as multimedia pieces. ... That’s the market they’re going into.”



Denzel Barrie is a writing and editing intern for the Oregon Stater. He plans to graduate in summer 2019 with a bachelor’s degree in English and a minor in writing.



***Beaver’s Digest* morphed out of the *Beaver* yearbook.**



**Top: Aldrich as he graduated from Oregon Agricultural College.
Below: Aldrich as editor of the *East Oregonian*.**

Ed Aldrich built a legacy of journalism, community support

By Stephen A. Forrester

Ed Aldrich '00 was fond of reminding his children that he earned financial support while a student at Oregon Agricultural College by working in the animal barns. His daughter Eleanor recounted: "My father said the experience of feeding controlled diets to animals taught him that, 'You are what you eat.'"

Edwin Burton "E.B." Aldrich arrived at OAC — with newspapering in his blood — from the coastal town of Newport. There, his father, James Harrison Aldrich, had in 1886 started the *Newport News*. The paper eventually went under, but Edwin went on to an eminent career in Oregon journalism, showing promise early at OAC as editor in chief of the *The College Barometer*.

Today, in an era in which truly local newspapers are a threatened species, it's timely to remember Aldrich's legacy, which is a family-owned Oregon newspaper group that has endured for more than a century. His story is the centerpiece of the recently published *Grit and Ink: An Oregon Family's Adventures in Newspapering*, written by Portland historian William Willingham and distributed by the OSU Press. (See "In print," page 11.)

"*Grit and Ink* chronicles the extraordinary accomplishments of an enterprising family deeply committed to building Oregon's communities through local journalism," wrote Sherri Noxel, director of the Austin Family Business Program in the College of Business.

Leaving Corvallis with a diploma signed by College of Agriculture Dean James Withycombe, Aldrich headed to Eastern Oregon to start his newspaper career. His first stop was the mining town of Sumpter, then it was on to Pendleton where he went to work for Charles Samuel Jackson, formerly of Virginia and owner of the *East Oregonian*.

It was a fateful meeting between the 40-year-old mentor and his 20-year-old, soon-to-be protégé. When Jackson moved to Portland in 1902 to rescue the ailing *Portland Evening Journal*, Aldrich stayed on at the *East Oregonian*, where he became editor in 1908.

Willingham's narrative in *Grit and Ink* includes large doses of realism about the challenges inherent in being a small-town newspaper editor in the first half of the 20th century.

"I have been awake nights more than once and at least twice was told on good authority men proposed to shoot me," Aldrich once said.

He was undeterred by such threats, which proved to be a good thing for him and the region. In 42 years as editor of the *East Oregonian*, Aldrich championed his community in print, supporting the growth of the Pendleton Round-Up and Pendleton Woolen Mills. He tirelessly promoted federal development of the Columbia River to provide irrigation and power for the benefit of agriculture and industry and urged the state to build better roads in eastern Oregon.

Both OSU and the University of Oregon loom large in *Grit and Ink*. In addition to Aldrich, OSU alumni in the story include his daughter, Amy Aldrich Bedford '33. His son-in-law, J.W. "Bud" Forrester Jr., attended Oregon State in the 1930s, then left to take a newspaper job. He later returned to serve as Beaver sports information director before going back to the family newspapers and becoming one of the state's most significant journalists.



The 1900 graduating class of OAC. Aldrich is in the second row from the top, at far left.

Aldrich's major business partner, Merle Chessman, was an Oregon graduate. In 1919, Aldrich, Chessman and their partners purchased the *Astoria Evening Budget*. In 1930, they purchased *The Morning Astorian* and merged the two papers.

Chessman became a major figure in Astoria's development in the first half of the 20th century. When the Ku Klux Klan came to Oregon in the 1920s, Clatsop County was one of its three major Oregon hotspots. Chessman confronted the Klan's bigotry in editorials. When the Klan appealed to Aldrich either to fire Chessman or sell the paper to the Klan, Aldrich stood by his Astoria editor. One of *Grit and Ink's* many illustrations is a chilling photo of a night Klan rally on a playing field below one of Astoria's elementary schools.

Aldrich's death in 1950 was the first demarcation in a series of successions among family owners and top managers from outside the family. His daughter Eleanor and son-in-law J.W. Forrester assumed management of the *East Oregonian*.

E.B.'s influence lived on, notably in his journalistic credo, presented as the "General and Specific Rules Governing the East Oregonian News Office." It is full of nuggets like this:

"Remember that all the people hereabouts are our friends and neighbors. We wish to help people, not hurt them. We desire to be as kind and generous as possible. Yet we must publish the news fearlessly and impartially when the public interest de-

mands and must not be deterred by friendships. ... Write nothing in malice or for revenge."

Aldrich maintained strong, sometimes visionary ties to Oregon State College throughout his life, serving on the college's Board of Regents. In 1947, only three years before he died, he and fellow alumni Robert M. Kerr and E. C. Sammons were among the first Beavers to recognize that their alma mater would need far more resources than the state could provide — including private support — if it was to thrive long into the future. Skeptics predicted that their effort to raise private money for a public college would go nowhere, but the two collaborated with OSC president August Strand to found the Oregon State College Foundation.

It started with a \$5 donation. By 1961, it had a \$20,000 endowment. In 2014, the OSU Foundation would close its Campaign for OSU with \$1.14 billion in gifts, and planning is already under way for the next campaign. 🍌

Stephen A. Forrester is president and CEO of EO Media Group.

Ten questions with whale expert Bruce Mate



Bruce Mate has spent most of his life finding answers about whales and other marine mammals — at sea, on beaches around the world and in his Newport laboratory.

As director and endowed chair of OSU's Marine Mammal Institute, he has traveled the globe to tag and track by satellite the movements of humpback, blue, gray, pilot, right, fin, bowhead and sperm whales, as well as sea lions, seals, manatees and dolphins.

He has been featured in programs on the Discovery Channel, PBS, BBC, National Geographic and other networks. He is also the driving force behind Oregon's newest specialty license plate, which features a gray whale mother and her calf migrating along the Oregon Coast, and generates financial support for the institute.

It was little surprise, then, that he wasn't much fazed by questions from the OSU Alumni Association's online focus group, the Beaver Lodge. Indeed, he gave lodge members high marks for the quality of their 10 best queries (as selected by *Stater* editor Kevin Miller). Here are the questions and his answers:

Can the establishment of marine sanctuaries affect where and how whales use near-shore environments?

"I think it can, but whales are attracted to areas of high productivity. The whales will come to an area they're familiar with, and if there's nothing to eat there, they'll just breeze right through. An example occurs with Blue whales in Southern California, in an area of the Channel Islands National Monument. Often at the west end of that, there's really good upwelling and lots of krill from winds coming around the point. But if the winds fail, it only takes about three days for the animals to clean out those resources, and then about half of them will move, sometimes traveling 300 miles in a day-and-a-half in search of the next hot spot. Whales will use sanctuaries when they're productive, and many sanctuaries are in areas of high productivity. But the animals are looking for productivity, and they have no idea what names or titles we give to different areas."

What impact on marine mammals has been seen by the increase of trash in the oceans?

"I can give you some direct examples. Our stranding program, run by Jim Rice, follows up on 500 to 800 marine mammals ashore each year on the Oregon coast. Most people are shocked at that

number. We've had fully grown elephant seals come ashore that have choked to death on Styrofoam coffee cups. We've had whales come ashore starved to death, with their bellies loaded with trash bags. Dead turtles with large plastic bags protruding from their mouths and from the other end of them. This happens on a scale that would surprise most people. When kids ask me, 'What can I do?' I tell them to not let their friends and family release balloons into the air. If you're going to the beach, take a bag and pick up trash as you walk along. I have friends who do that every day. It helps."

How does a mother whale differentiate her baby from all of the others ... and vice versa?

"For seals and sea lions, they do it with olfaction. They muzzle each other, nose to nose. If a mother's gone out and come back with food, she'll make a vocalization and her pups will respond, and sometimes other pups will respond because they're hungry too. She'll muzzle them all and by smell will know exactly which ones are hers, and those are the only pups that get a meal from her. For whales, the young are rarely more than a body length away from mom during the first three months of life, so there's never a separation issue, although I have seen situations where

marauding males will chase females in a breeding situation, and a mother has gone fast enough to leave a calf in the dust. I was worried the first time I saw this, but the next day, there they were, mother and calf together.”

How can alumni help bring more visibility to your research and support the university's efforts?

“About half of everything we do is supported by philanthropic gifts, so gifts become really important. We have folks who become ‘Whale-watching spoken here’ volunteers, which is now run by state parks, and in two weeks they’ll contact 45,000 tourists from up to 50 countries. When the whale license plate was coming out this year, we had postcards at every headland up and down the coast. I’m sure we’re getting additional sales from that. We have travel programs; for 32 years we’ve been taking people down to Mexico to visit gray whales, and that’s building advocacy. And of course we do have private individuals who are very interested and supportive of what we do.”

Since we've observed whales communicating with one another, what are they talking about the most?

“Mostly they’re talking about sex. It’s primarily vocalizations among males. For a while we thought the males — we call them singers — were saying, ‘Hey, come over here, baby. I want to be with you,’ but it turns out that those vocalizations attract other males. Then a big group of males heads off to maraud females. With North Atlantic right whales, the female does make a sound, and it’s basically, ‘Hello, here I am,’ which gathers a huge number of males around her, and they joust and compete to get next to her.”

How many hours a day do whales sleep?

“For most of them, not at all. We instrument animals and track them, sometimes for over a year, and we know what they’re doing. We can tell when they lunge for food, when they come up to breathe, etc. Even visually, we do not see whales sleep very often. It does occur sometimes during the breeding season. Very, very rarely, especially with females who are waiting to come into estrus or to have a calf, they’ll come to the surface and doze off. They’ll even snore, and we’ve seen them get sunburns. But it’s rare for whales to sleep.”

What is the most important action we can do to preserve marine mammals?

“Quite simply, reduce your carbon footprint.”

Across your career, what is the most exciting bit of research that you've had the opportunity to do?

“I developed the way of tracking whales over long distances by satellite, and the way that has expanded our understanding has been fascinating. We found the first area we’d ever found where blue whales went to breed and calve. And just a few years ago we tracked gray whales from Russia that came all the way across and down to Baja to breed and calve. That’s the longest-known migration of whales in the world!”

What is your solution to the salmon vs. seal battle on the Columbia River? Do we need to thin the seals to save the salmon?

“People are often shocked at my answer. My view is that we need sustainable populations of everything. Because of what humans have done, such as building dams, I think there are times when we need to control abundant predators, and that includes lethal removal if it is done wisely and in a humane way.”

Is whaling for eating really a bad thing for the ecosystem? Is there a sustainable way to do it?

“The answer is yes, there is a sustainable way to do that.” (However, he noted that commercial whaling is why whale populations around the world dropped to dangerously low levels and many species continue to struggle, so he is wary of rationales for why commercial whaling should be allowed.) “We have local populations around the world harvesting whales on a limited basis, and that can be sustainable.” 🍷

Beavers who join the Beaver Lodge, an online community of the OSU Alumni Association, receive short surveys about 10 times a year. In some cases, instead of answers, members provide questions for an OSU expert. A future Beaver Lodge survey will request questions for OSU President Ed Ray, and the selected ones will be included in the “Ed said” feature in a future Stater. Join the Beaver Lodge at osualum.com/beaverlodge.



**CH2M HILL
Alumni Center**
Reserve summer
events space today!

24,000

Square feet of indoor and outdoor conference space



Located on Oregon State's historic campus



Discounts for nonprofits and OSU Alumni Association members

Contact Us

541-737-7869

osualum.com/center



Oregon State University
Alumni Association

NFL legend helps drive OSU forward



Photo by Steven Barston

One of the most important ways alumni, parents and other friends contribute to Oregon State is by serving on its boards and committees – using their expertise, networks and influence to support the university in its drive to create a better future. These volunteer leaders come from a wide variety of backgrounds.

Meet one of the newest members of the OSU Foundation Board of Trustees:

Steven Jackson
Las Vegas, Nevada

Background: An Oregon State student-athlete from 2002 to 2004, Jackson is a former running back with the New England Patriots, Atlanta Falcons and St. Louis Rams. The three-time NFL Pro-Bowler was inducted into the Oregon Sports Hall of Fame in 2018.

Nowadays: Jackson is the Pacific-West coordinator of the NFL Legends Community, an organization that connects and supports former NFL players. He is working on his degree in human development and family science through OSU Ecampus.

Why he was inspired to join the OSUF Board of Trustees: “After serving on a search committee for OSU’s athletic director. When I saw how much people do behind the scenes for OSU and

their love for the university, it made my mouth fall open. I saw it was a way to help current students and future students have as enjoyable of an experience as I did.”

What I love about OSU: “No matter our major, we all share a common DNA that makes us equally willing to roll up our sleeves and get to work. We aren’t afraid of hard work”.

People might not know: “I’m more introverted and artistic than people realize. I loved art before I found football. At OSU I first lived at West Hall, then an international dorm where I met people from all over the world. That experience sparked my curiosity to travel. I got into photography and now take a camera with me everywhere. I like to capture off guard moments; I think they speak to anyone, regardless of language or age.” (Learn more about Jackson’s art at www.sj39.com.)

On game days: “I’ve had the chance to tailgate at Reser Stadium and really had fun! It’s a kind of game day excitement I never knew before as an athlete.”

How I live my life: “I pride myself on not getting too high in the highs, not getting too low in lows. Just remain steadfast, and each day presents a new opportunity.” 🍷

Assuring safe landings after the big one

As the Pacific Northwest prepares for the catastrophic earthquake that most experts say is in its future, disaster response planners want to know how emergency personnel and essential supplies get to the region if roads and rail routes are damaged or blocked.

Delivery by air sounds logical. But Portland International Airport, located near the Columbia River, is built on soil that contains a lot of sand and silt. How will that soil behave during a major seismic event?

To ensure that the airport has a functioning runway, a team of OSU engineers, in partnership with the Port of Portland, has been conducting blast tests in the area, seeking information that could help designers retrofit a runway so it could be a lifeline after a quake.

The tests involve two series of sequential detonations in 40- and 90-foot deep boreholes over 30 seconds. Ground motions created by the controlled blasts are different from those seen in earthquakes, but they can be used to observe how the soil will respond to earthquakes. It's an exacting process because the blasts can't be redone.

"Following execution of this experiment, the nature of the ground will change as a result," said Armin Stuedlein, associate professor of geotechnical engineering and principal investigator. "That means we have exactly one chance to get this right."

Many parts of the Pacific Northwest are especially vulnerable to liquefaction, in which saturated soils can lose much of their strength and essentially become liquid during an earthquake. Structures in these areas can shift or sink, greatly magnifying damage produced by the shaking itself.

The blast-induced liquefaction technique was co-developed at Oregon State by Scott Ashford '83, College of Engineering dean and Kearney Professor of Engineering.

In addition to advancing the field of seismic research and ensuring public welfare, the tests provide valuable learning opportunities for OSU engineering students.

The research team includes Aleyna Donaldson and Amalesh Jana, graduate students who received the Jerry Yamamuro Geotechnical Fellowship. The late Yamamuro was a 1976 OSU alumnus who served on the faculty of the School of Civil and Construction Engineering. He was an international authority on experimental and theoretical mechanics of frictional materials, soil instability and liquefaction, and modeling of frictional materials.

The PDX initiative is part of the Cascadia Lifelines Program, a partnership launched by Oregon State University to pool limited resources and capitalize on expertise in the College of Engineering. The program's goal to bolster the resiliency of critical infrastructure in the event of a major earthquake — saving lives, lowering damage and speeding the region's recovery. 🍷

See a video about the project at bit.ly/PDXseismic.



OSU's Armin Stuedlein, left, worked with blasting expert Jerry Wallace and OSU student researchers on a project near Portland International Airport in which underground detonations helped reveal what might happen to the airport's runways in a major earthquake.

“It ain’t bragging if you can do it.”

~ Baseball legend Dizzy Dean

Tell us your OSU stories; we’ll share

By John Valva

Why is Oregon State so humble?

If it’s in our state’s DNA, then why did it skip the genetic code of our rival Ducks?

Do we believe that brashly trumpeting our accolades should be left to lesser universities? Ha! I have relatives who went to Harvard and Stanford, and I would hardly characterize them as subtle when extolling the virtues of those institutions.

I suppose it’s rooted in the same admirable traits that have Beavers emphasizing accomplishments over rankings and demonstrations of mastery over exuberance. The university’s official brand positioning says we’re “confident but humble.”

OK, I get it. There’s a cultural backdrop to our humility. But as a relative newcomer to OSU, and one who has criss-crossed a lot of Oregon and several other states to meet Beavers face to face, I have lost count of the number of OSU alumni and colleagues who want us to brag more.

Most of us know our most popular points of pride. We can reference the legacy of noteworthy alumni like Linus Pauling and Terry Baker. We can recite the creation of the maraschino cherry, the computer mouse and a new shade of blue. It’s a rare graduate who doesn’t agree that Corvallis is a quintessential college town with a stunning, traditional campus.

But we fall short when it comes to reminding ourselves — and bragging to others — about the vast breadth and depth of the positive impact of our alumni, faculty, students and staff (and thus, OUR UNIVERSITY) in our communities and on the world.

Let’s start by bragging about OSU alumni.

Isn’t the OSU-trained city engineer who tirelessly works to keep a community’s infrastructure up and running a local hero? How about the crop science doctoral candidate who is a research foot soldier in the war against potentially devastating plant diseases? The OSU-trained epidemiologist who works in relative anonymity trying to protect an entire region from an epidemic? The Beaver business grad whose entrepreneurial skills have created jobs for many families and helped bring economic stability to a region? The forester who works for permanency and sustainability in our natural resources? The special ed teacher who fights for students’ rights and applauds their progress? These are real stories of real OSU alumni, and there are thousands of others just as impressive.

This year, OSU will surpass the milestone of 200,000 living graduates. Their contributions to their professions and communities are proof of the university’s transformative impact on Oregon and the world. The emergence of OSU-Cascades and Ecampus, when combined with Corvallis-based graduates, means we graduate new Beavers at record rates.

Many are multi-generational college students, often with deep roots in Beaver Nation and a desire to honor and extend their family legacy. Others are first-generation students, forging their own paths as they are propelled by the hopes and dreams of those at home. And still others are non-traditional, drawn to Oregon State by programs that fit their specific needs as they redefine themselves and reach success on their own terms. This beautiful blend of experiences brings richness to our university.

These new graduates need to understand the vibrancy of our community, and they are as thirsty for belonging to Beaver Nation as were those from earlier generations.

Anthropologists and neuroscientists tell us that cultures that do a great job of sharing their success stories tend to thrive. Storytelling is what connects us. It is what links us to our past, and provides a glimpse into our future. Talking about our successes is not immodest. It is generous.

As alumni storytelling articulates how our graduates change their communities and our world, it invites new students and seasoned alumni alike to get busy writing more chapters of the OSU story. It’s alumni advocacy at its finest.

We try to foster more bragging in each issue of the *Stater* by presenting a few points of pride to share, this time on page 12. Heck, Beavers worth bragging about are all over every issue of the *Stater*. But what we really need are *your* stories.

If OSU has had a positive influence on your life, please tell us about it at osualum.com/MyOSUstory. We’ll produce an easily accessible, collated, frequently updated anthology that we can all use to up our bragging game. It’s time.

Go Beavs! 🦊

John Valva is executive director of the OSU Alumni Association and the OSU Foundation’s vice president of alumni relations.



OSUAA executive director John Valva shares a moment with Julie Lambert '85, a proud alumni board member who is among the many alumni who’d like to see more bragging among Beavers.

High honors granted five alumni

Members of the OSU community gathered Feb. 28 at Destination OSU in Dana Point, California, to celebrate five alumni with service awards from OSU Athletics, the OSU Alumni Association and the OSU Foundation. The honorees:



CARMEN PHELPS CUTTING '65 & MICHAEL L. CUTTING '65, Bend, received the Martin Chaves Lifetime Achievement Award, presented by OSU Athletics.

The Cuttings divided their time between Oregon and Seattle for many years but always remained devoted Beavers and passionate sports fans, especially enjoying football and men's basketball.

Mike, with a degree in mechanical engineering, is a co-founder of Northwest Atlantic Real Estate Services, a comprehensive real estate brokerage and advisory service for retailers in the U.S. and Canada. Carmen, with a degree in elementary education, taught school before raising a family and then enjoyed a varied career in real estate, retail shop ownership and volunteer work. Members of the Milton Harris Society, they have supported the development of

Goss Stadium and the OSU Basketball Center as well as Beaver football. Endowments created through a generous gift in their estate will support Oregon State Athletics and academic programs at OSU-Cascades. See a video tribute at bit.ly/cuttingvideo.



KAYE BAILEY LOUGHMILLER '64 & BERT E. LOUGHMILLER '64, Los Altos, California, received the Dan Poling Service Award, presented by the OSU Alumni Association.

Kaye and Bert Loughmiller met at Oregon State, and they have given back to their alma mater ever since: volunteering, making gifts, participating in countless events on and off campus, warmly welcoming others to the OSU community. Kaye, a College of Education graduate, is a retired elementary teacher and member of the OSU Women's Giving Circle. Bert is a civil engineering alumnus, the former president of APM, Inc., and now a private consultant and president of Momentum Advisors; he has served on boards for Engineering, Athletics and the OSU Foundation. Both helped plan their class reunion. The couple generously supports scholarships

for the next generation of Beavers. They are members of the Milton Harris Society. See a video tribute at bit.ly/loughmillervideo.



SUZANNE P. McGRATH '70, Portland, is this year's recipient of the Lifetime Trustee Award, presented by the OSU Foundation.

A mathematics graduate, McGrath is president of Vision Capital Management, a women-owned wealth management firm she co-founded with her daughter, Marina Johnson. Passionate about all aspects of finance, McGrath served as an OSU Foundation Trustee from 1997 until 2013, lending her expertise to its executive, audit and investment committees. She has worked extensively with OSU Athletics and also with the College of Science, where her appreciation of young scientists led her to become co-president of the ARCS Foundation of Oregon's board. She has furthered her philanthropic efforts by establishing an endowed award for microbiology graduate students. She is involved with the Beaver Political Action Committee and the OSU Women's Giving Circle. Members of the Milton Harris Society, she and her husband, Bernie McGrath '70, were instrumental volunteer fundraisers and donors for renovations of Goss Stadium and the Valley Football Center. See a video tribute at bit.ly/mcgrathvideo.



COMMUNITY DAY OF SERVICE



MAY 18, 2019

Register to volunteer or start a new site near you!

osualum.com/service

Sponsored by



AZTEC
EMBROIDERY AND
SCREENPRINTING
WWW.AZTECWV.COM



Oregon State University
Alumni Association

Proud Beaver from the Czech Republic



Meet Tereza Markova, student alumni ambassador:

Where did you grow up?

I grew up in Kolin, Czech Republic. It is a pretty small town about 40 minutes east of Prague. I was used to weather like there is in Oregon, but I am still getting used to the American culture.

Why OSU?

When I was a sophomore in high school I went on exchange to Milwaukie, near Portland. It was a great year and I really liked Oregon. A year later I visited Oregon again and my friend that was attending OSU showed me around; that's when I knew I needed to come back.

How close are you to graduating, and what's next after that?

This is my junior year so I have another year at OSU. I am still trying to figure out my plan, but I definitely want to go to graduate school, either for an MBA or to study business law. I am exploring both of these fields. I want to work in a business field and also travel for my work. I enjoy being bilingual, and it is something I don't want to lose in the future, including in the workplace.

What has been your favorite class at OSU?

One of my favorite classes was my business law class. We had a great teacher and he always had interesting stories and cases for us. I was scared of that class but our professor made it really fun. I am also taking a snowboarding class this winter term and that is probably the best class I have ever taken.

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

One of the most important things I have learned is that coming to college, no one really knows other people and you have to put yourself out there and make new friends and connections. I was afraid coming for my freshman year that I would not know anyone. Soon enough I realized that we all were on the same boat and you just have to make new friends.

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

There are several spots I like on campus. Among my favorites are in the MU or outside the MU in the quad, especially in spring term and beginning of fall term, when it is still nice outside. It is fun to watch how busy the campus is and enjoy the sun while it lasts.

What's your favorite place to hang out in Corvallis?

I am an outdoor person so any hiking spot around Corvallis is my favorite. The Fitton Green Trail (just north of the city) would probably be at the top of my list; it has a great view any time of the year.

What kind of support do you get from scholarships?

I get some financial aid but not really a scholarship. Because I am an international student, I am sometimes limited in the scholarships I can apply for.

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

I got nominated into SAA my freshman year. I did not really know what SAA was but I was curious and I wanted to get more involved on campus. I went to my interview and I was just really interested in it and thought it was a great idea. I've met so many great people and made a lot of new friendships.

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

The campus has grown so much. I think it is different in a sense that there are so many people on campus every day.

Is there anything else you'd like to say to a potential readership of 215,000 Beaver alumni and friends?

I really enjoy the OSU spirit and that everyone cheers for the Beavers and supports them even in hard times. That is something I hope will continue to grow, and that Beavers will always support each other. It is a small world and I always run into people that are somehow connected to OSU outside of Corvallis and Oregon and even outside the U.S. 🇺🇸

Student Alumni Ambassadors (SAA) is associated with the OSU Alumni Association and is dedicated to enhancing the connection among students past, present and future. SAA members coordinate a variety of events and initiatives that integrate students and alumni across Beaver Nation. For more info, visit osualum.com/saainterest.

DAM PROUD DAY

BEAVS GIVE · 4 · 30 · 19

Don't miss Dam Proud Day on April 30!

During this 24-hour online fundraising event, Beavers everywhere will come together to support the things we do best: transformative educational experiences and life-changing research. Together we can achieve something big.

Visit **DamProudDay.com** and let's build something!



Oregon State
University



Take it from Rutschman: Beav baseball is all team

By Kip Carlson | Photos by Zachary Lucy

To finish the 2018 baseball season, Oregon State — down to its last out — rallied for three runs in the ninth inning to beat Arkansas, then methodically dispatched the Razorbacks the next night to win the NCAA championship.

The Beavers started 2019 in the same fashion, scoring three times in the bottom of the ninth inning to beat New Mexico in their season-opener, then clubbing Gonzaga and Minnesota the next two days.

Win close or win big — the wins tend to come in bunches, results indicative of the grit and precision that's become the backbone of OSU's baseball program. Pat Casey may have given way to Pat Bailey in the head coaching spot, but the Beavers picked up in 2019 where they left off in 2018. Three national titles and five conference titles since 2005 are the products of a culture that dictates doing things the Beaver way.



“For us, this is the purpose and the intent we have in everything we do,” junior catcher Adley Rutschman said as OSU prepared for the 2019 season. “A lot of programs might do just as much as us — we all have the same hours we can practice per week and whatnot — but it’s the way in which we do our things with intent and purpose, and everyone knows why we’re doing what we’re doing.”

“There are expectations and standards that are set in everything we’re doing.”

The focus of it all?

“To win a national championship,” Rutschman said. “Everything we do is setting ourselves in that mindset of, ‘We’re in the ninth inning in the national championship’ — the way we go about our drills, the way we take BP (batting practice), is to win a national championship.”

Rutschman, aka “Clutchman,” is the epitome of the Beavers’ methodical quest for excellence under pressure. His performance brought him a slew of individual honors to go with that 2018 national championship:

- » College World Series Most Outstanding Player.
- » First-team All-America selection.
- » Winner of USA Baseball’s Richard W. Case Award, given annually to the top player on one of the organization’s national teams.
- » Named by experts as potentially the No. 1 overall pick in the 2019 Major League Baseball draft.

“That’s just noise,” Rutschman said of talk that he could be the first player selected in June. “If you think about it too long, you’re getting away from what your purpose is and what you’re trying to do, and that is be the best version of yourself you can be.”

Bailey, an OSU assistant coach for 11 years before taking the top job, describes the Beaver baseball way as a three-pronged approach, with character development at the top of the list: “We’re in the man-building business, and we really believe in character development. If a guy isn’t going to buy into that, he’s

really going to struggle playing in this program ... that just has to do with doing things right on and off the field, basically.”

Second? Hard work. “Hard work starts in the classroom and it leaks out onto the baseball field. We really hold guys accountable for their grades. If they’re consistent in the classroom, they’re going to be consistent on the baseball field, so that’s a really big deal to us,” Bailey said. The Beavers had a 3.19 team grade point average last fall, he said, adding: “I’ve got news for you: We’re smarter than that. A couple guys didn’t get grades as good as they’ve gotten in the past, and that’s something we talk to them about.”

Finally, team comes first. “Our guys hear it all the time. ‘We love you guys, but it’s your responsibility to love each other and care for one another.’ And if you get guys to buy into that, you have a chance to have a really good season.”

It falls to team veterans to instill those values as soon as new recruits arrive on campus.

“I had the expectation, but I didn’t realize what it took and how the guys went about their business,” Rutschman said of his freshman year. “So when I got on campus, the older guys immediately talked to us about the season they’d had (the previous) year, and the disappointment when they didn’t make a regional (in 2016), and kind of what that did to them.”

Having players drive home those values can be more powerful than hearing them from coaches.

“Coming from players and guys your own age, it holds a little bit more weight,” said Rutschman, one of the Beavers’ co-captains this season along with Zak Taylor and Bryce Fehmel.

And that’s crucial to what has made Oregon State a consistent player on the national scene.

“I think it’s a huge part of it,” Rutschman said. “Case did a great job of setting the standard when he was head coach and I think he’s passed that down, and I think that’s why he and Coach Bailey worked so well together, because they have the same values as coaches, and they pass it down to the players and it creates a great program.” 🍌

The numbers behind athletic scholarships

By Kevin Miller

Anyone who follows college sports knows that some players have athletic scholarships and some don't.

But how many Beaver fans know that in five OSU sports, NCAA rules require student-athletes to have either a full athletic scholarship or no athletic scholarship, and that in the other 11, full scholarships are almost unheard of as coaches must divide and share a few full-time-equivalent scholarships among their players?

"If you're on a football scholarship, it's a full scholarship, because football is an equivalency sport" said Alex Gary, senior associate athletics director for development. "There's no 50 percent scholarship or anything like that. But in baseball — a headcount sport — very rarely do you see anyone on a full athletic scholarship."

According to a recent count (the numbers fluctuate only a little), OSU had 355 student-athletes receiving at least partial scholarships and 138 walk-ons who play with no athletic scholarships.

NCAA "equivalency sports" are those in which all scholarship athletes receive a full scholarship and any others are walk-ons. Here are OSU's equivalency sports and the maximum number of scholarships allowed in them, across all class years:

- » Football: 85
- » Men's basketball: 13
- » Women's basketball: 15
- » Gymnastics: 12
- » Volleyball: 12

So-called "headcount sports" are those in which the NCAA sets a scholarship limit but gives coaches wide discretion in the use of partial scholarships. While an athlete's relative importance to the team can lead to a larger portion, few athletes in headcount sports receive anything close to a traditional "full ride." Here are OSU's headcount sports, with their NCAA scholarship limit:

- » Baseball: 11.7
- » Cross country and track and field (Although technically two sports at OSU, the NCAA counts them together when enforcing scholarship limits.): 18
- » Men's golf: 4.5
- » Women's golf: 6
- » Women's rowing (Although OSU also has a men's rowing team, it is not governed by the NCAA.): 20
- » Men's soccer: 9.9
- » Women's soccer: 14
- » Softball: 12
- » Wrestling: 9.9

Gary and his colleagues who work on behalf of the Our Beaver Nation annual fund would like Beaver Nation to have a better



Alex Gary, senior associate athletics director for development, often finds himself explaining how athletic scholarships work under NCAA rules. (Photo by Barnet Photography)

understanding of athletic scholarships and of the many other student-athlete support programs that exist under their Everyday Champions umbrella. It's timely because they just launched the Build the Dam campaign to dramatically increase philanthropic support of the annual fund. (See story, page 50)

"Only about 11% of our support for student-athletes comes in through direct philanthropy, and we need to change that," Gary said. "The rest of the annual fund dollars for Our Beaver Nation comes in through required seat donations — where if you want to come watch a game, there's a fee tacked on to the price.

"We want to humanize our annual fund, and help people understand the impact their dollars are having, so that it's not just a fee you pay to secure tickets in the best location, but a donation you make to secure an impact on the experience our student-athletes are having."

Gary noted that OSU is in the vast majority of universities whose athletic departments operate at a deficit, which means that bolstering philanthropic support for student-athletes will take pressure off the rest of the budget.

"If I'm a scholarship athlete, whether it's full or partial, that comes with a certain amount for tuition, fees, books housing and board. But a few years ago, the NCAA allowed us to start giving these students a range of \$2,700 to \$4,200 a year, depending on whether they live on campus and are from in state or out of state."

The stipends are based partly on the assumption that student-athletes don't have time, and are usually forbidden, to have outside jobs during the school year. It's essentially spending money for clothes, eating out, auto expenses and the like.



“If you’re a student-athlete on scholarship and you need to drive home to visit the family in Northern California, now you have gas money,” Gary said. “Actually, people would be surprised at how much of that stipend money gets sent back home to help families.”

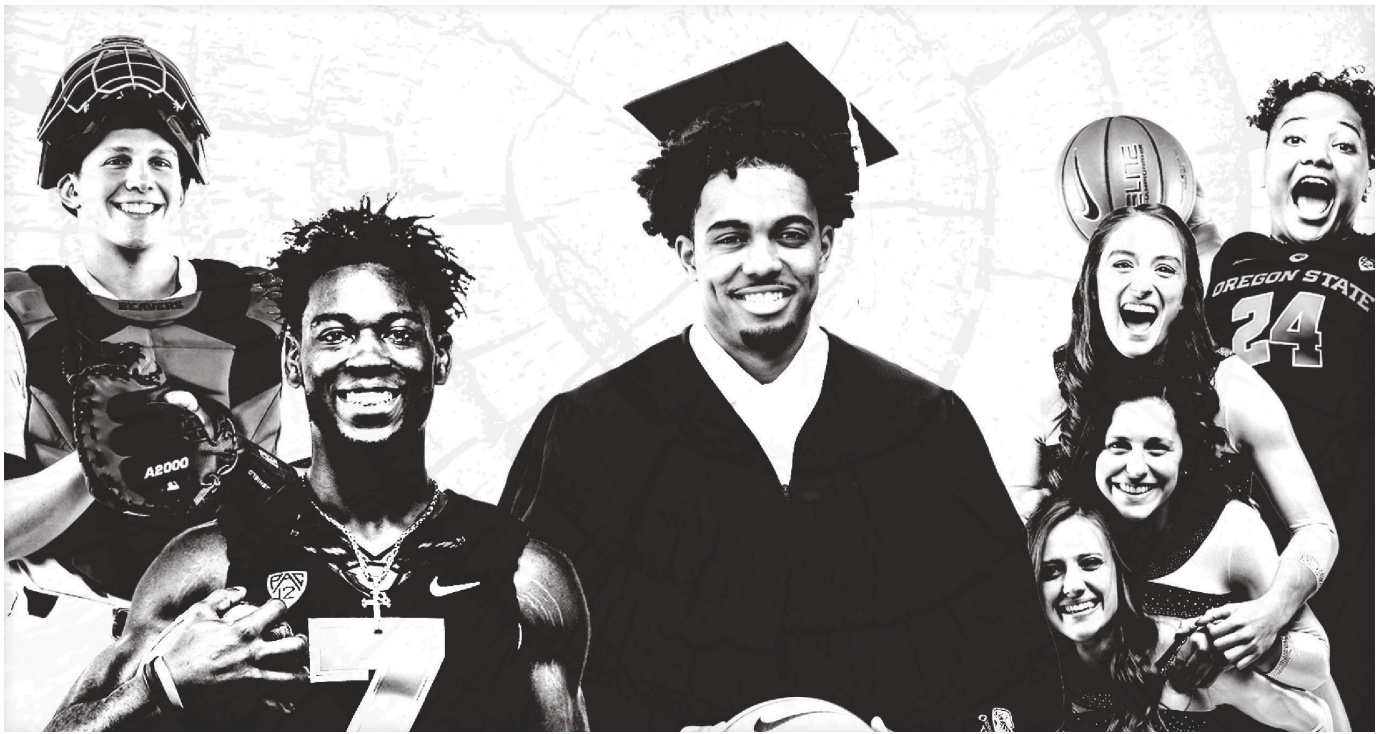
In the head-count sports, in which almost all scholarships are partial, coaches decide which athletes get how much. If they qualify, student-athletes who have less than full athletic scholarships are free to apply for other scholarship support and financial aid, but their overall support can’t exceed NCAA limits.

Gary noted that OSU’s athletic scholarship recipients come from a full range of backgrounds, from intensely needy situations in which attending college wouldn’t be considered an option without an athletic scholarship to extremely wealthy homes with many generations of college degrees.

He said he often reminds potential donors of the transformative impact of athletic scholarships.

“Many of our student-athletes are first-generation college kids. Their athletic skills may have brought them here, but once we get them here, we are changing the course of their lives. It’s opportunity, that’s what it is.” 🍁

Football has by far the most scholarships under NCAA rules, and because football is an “equivalency sport” under those rules, all football scholarships must be full scholarships. (Photo by Hannah O’Leary)



Build the Dam campaign aims to grow support

Our Beaver Nation, the part of the OSU Foundation that raises money for OSU Athletics, is asking OSU alumni and friends to buy in to its plan to become a national leader in supporting student-athletes in ways that encourage well-rounded lives and post-graduation success.

Launched this spring, the Build the Dam campaign will help underwrite about \$11 million in educational support, plus many non-academic programs intended to set up OSU student-athletes for good physical and mental health and a lifetime of success after graduation.

“We’re not just about getting our athletes in here, getting something out of them and then pushing them along,” said Alex Gary, senior associate athletics director for development. “We want to get them thinking about what’s going to happen to them in the next 40 years. We’re serious about leading the country in holistic student-athlete development, measured by graduation, academic achievement, wellness and post-graduation success.”

The Build the Dam campaign provides potential donors who may or may not support athletics in other ways with a way to support student-athlete success specifically.

Included in the \$11 million sought for academic support are:

- » \$8.85 million in tuition, fees and room and board for OSU’s 257 athletic scholarship recipients.
- » \$776,000 for cost of attendance stipends — typically around \$200 to \$300 per month at OSU — which are meant to give scholarship athletes some spending money. The NCAA started allowing the stipends in 2015 after studies showed that many athletes — unable to have jobs because of team commitments — were barely scraping by on their scholarships. Gary noted that the stipends usually go for necessities, and that he has

been surprised at how many OSU athletes send their stipends home to help their families get by.

- » \$320,000 for the BEST summer bridge program, which brings new Beaver athletes to campus early for a crash course on how to navigate college. Such programs have been shown to dramatically increase retention and graduation rates for athletes and non-athletes, and are offered for a broad selection of freshmen at OSU.
- » \$390,000 for books. Beaver student-athletes use about 4,000 textbooks a year.
- » \$745,000 in summer aid. Such aid is not covered by scholarships. Like many OSU students, student-athletes often use summer school to catch up or get ahead on progress toward graduation.

Other programs to be at least partially supported by Build the Dam proceeds range far and wide in scope and purpose. A sampling:

- » The award-winning **Dam Worth It** program, which encourages open discussion of mental health issues faced by athletes.
- » **Investment clubs** in which student-athletes learn how to win in the financial world.
- » Student-athlete-run **sustainability projects**.
- » **Women LEAD** (Limitless, Empowered, Authentic and Driven), which helps build mentor relationships between female athletes and female administrators and community leaders.
- » **Sportup Incubator**, in which entrepreneurs in the student-athlete community can get help learning how to bring their ideas to fruition in the marketplace.

Learn more about Build the Dam and other Our Beaver Nation programs at ourbeavernation.com. 🐾

Beach Luck Happens



When you visit Chinook Winds, it's more than just a day at the beach, because the fun and games don't stop at the surf line.



Beachfront Accommodations



Challenging 18 Hole Golf Course



Dining choices galore


Chinook Winds
CASINO RESORT

Student-athletes nab grades and records

OSU's 485 student-athletes posted a strong academic performance for fall 2018, combining for a 3.19 cumulative GPA. One-hundred and thirty-five made the OSU honor roll and 35 posted a perfect 4.00 fall term.

"This is a testament to the commitment our student-athletes have regarding academic success and their professional goals," said OSU Vice President and Director of Athletics Scott Barnes. "This also paints a picture of our coaching staffs' commitment to success off the fields of play and their efforts in recruiting high-caliber student-athletes who are serious about an Oregon State University education. In addition, it's a credit to our academic personnel."

Of the 17 intercollegiate teams at OSU, 15 posted a 3.00-plus term GPA, and overall, 16 of the programs are at 3.00-plus cumulatively. Football posted a 3.21 GPA for the first term of the

year and had 23 individuals selected to the Pac-12 Conference All-Academic team. Both marks are Beaver football records.

A quarter of the student-athlete population is enrolled in business or pre-business courses, followed closely by liberal arts, and public health and human sciences. Twenty-one individuals are in OSU's Honors College and another five are in graduate programs.

Highlights include:

- » 3.19 – Overall GPA for student-athletes
- » 135 – Student-athletes on OSU's fall term honor roll
- » 333 – Student-athletes with a 3.00-plus cumulative GPA, 68.7 percent
- » 3.66 – Women's cross country team's department-leading fall term GPA 🦫

OSU eliminates swimming as NCAA sport

OSU Vice President and Director of Athletics Scott Barnes announced March 4 that intercollegiate women's swimming would be discontinued by OSU at the end of the 2018-19 season. He said the decision was based on Oregon State's commitment to offer all student-athletes a quality NCAA experience.

"This decision followed a comprehensive review of all sports," Barnes said. "Facility requirements contributed to this decision

as we realize that OSU campus pool facilities do not meet NCAA standards." Beaver swimmers held their home meets at the city-owned Osborn Aquatics Center. "It is cost prohibitive to renovate existing campus swimming facilities."

OSU's swimming roster included 21 student-athletes and two coaches. OSU promised to honor existing athletic scholarships for swimmers who want to stay at Oregon State.



Shop the largest selection of Beaver gear anywhere!

And support your nonprofit, student-owned store!

CAMPUS
DOWNTOWN PORTLAND
KEIZER STATION
OSUBEAVERSTORE.COM

OSU BEAVER  STORE

OSU Alumni Association members receive 10% off on regularly-priced OSU-licensed merchandise at any OSU Beaver Store!
Find out more: osualum.com/membership

That other orange and black OSU to open football season

Oregon State football spent much of March and April in spring drills, aiming to take the next step in Jonathan Smith's second season as head coach at his alma mater. Along with a host of returning players, the Beavers' prospects are bolstered by a recruiting class that includes a handful of transfers from Division I programs. Here's a preliminary look at Oregon State's 2019 schedule:

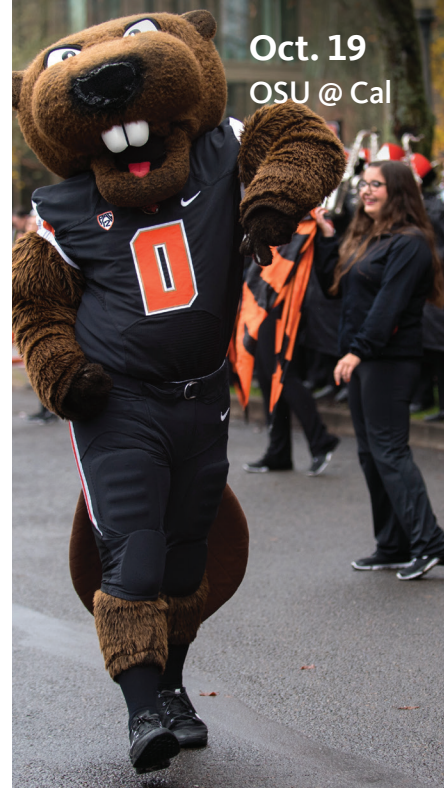
- » **Friday, August 30 — Oklahoma State at Oregon State:** This will be the first-ever football meeting between the schools sharing abbreviations and colors. The Cowboys were 7-6 last season, finishing the campaign by beating Missouri 38-33 in the Liberty Bowl.
- » **Saturday, September 7 — Oregon State at Hawaii:** A favorite trip for Oregon Staters who follow the Beavers on road trips —and generally a successful one for the team. OSU is 5-3 against the Rainbow Warriors in the islands, dating back to a 39-6 win in the Pineapple Bowl to end the 1939 season. Hawaii was 8-6 last season, concluding with a 31-14 loss to Louisiana Tech in the Hawaii Bowl.
- » **Saturday, September 14 — Cal Poly at Oregon State:** After this game, the only current members of the Big Sky Conference that have never played the Beavers will be Montana State and Northern Colorado. A year ago the Mustangs were 5-6.
- » **Saturday, September 28 — Stanford at Oregon State:** After a bye, the Beaver meets the Tree to open the Pacific-12 season. Stanford went 9-4 last season, including edging Pittsburgh 14-13 in the Sun Bowl.
- » **Saturday, October 5 — Oregon State at UCLA:** The teams didn't meet last season, so this is the Beavers' first look at former Oregon head coach Chip Kelly in his new UCLA colors. The Bruins went 3-9 in Kelly's Westwood debut.
- » **Saturday, October 12 (Homecoming) — Utah at Oregon State:** With alumni returning to campus to back the Beavers, the Utes visit as defending Pac-12 South Division champs, having gone 9-5 last season. After dropping the Pac-12 title game to Washington, Utah lost the Holiday Bowl to Northwestern 31-20.
- » **Saturday, October 19 — Oregon State at California:** The Bears improved by two games last season, finishing 7-6 after losing in overtime to Texas Christian 10-7 in the Cheez-It Bowl.
- » **Saturday, November 2 — Oregon State at Arizona:** After their second bye week of the season, the Beavers' final trip out of the Pacific Northwest finds them going against the Wildcats, a 5-7 team in 2018.
- » **Friday, November 8 (Family Weekend) — Washington at Oregon State:** Smith gets another shot at the team he helped coach before returning to Oregon State last season. The Huskies were Pac-12 champs and pushed No. 5 Ohio State in the Rose Bowl before losing 28-23, giving them a final record of 10-4 and a No. 13 national ranking.
- » **Saturday, November 16 — Arizona State at Oregon State:** Last home game, so Senior Day for the Beavs. This time of year, sun may not greet the Devils in Corvallis. ASU went 7-6 last season, wrapping up by losing to Fresno State 31-20 in the Las Vegas Bowl.
- » **Saturday, November 23 — Oregon State at Washington State:** Whoever wins this game gets a Morrill victory, as it matches neighboring land grant universities. The Cougars marched to an 11-2 record in 2018, including a 28-26 victory over Iowa State in the Alamo Bowl, finishing with a No. 10 national ranking.
- » **Saturday, November 30 — Oregon State at Oregon:** The 123rd Civil War. 'Nuff said. 🐿️

— Kip Carlson

Football Away Tailgaters

Oct. 5
OSU @ UCLA

Oct. 19
OSU @ Cal



Round up your friends and fellow die-hard Beaver fans for great music, food, no-host bars, giveaways and a chance to mingle with surprise guests.

Check out osualum.com/events for party details and other away game gatherings.



Oregon State University
Alumni Association



Gill filled, thrilled times 2





Regardless of how far the women's and men's basketball teams advanced in their postseasons (outcomes determined after the *Stater* deadline), the back-to-back Civil War wins by the men, 72-57 on Feb. 16, and the women, 67-62 two nights later, both in front of sold-out crowds, made for sweet Gill Coliseum memories. (Photos by David Nishitani)

NEW LIFE MEMBERS

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

- | | | | |
|---------------------------------|---------------------------------|-------------------------------|-------------------------------|
| Roslyn Eileen Albee '13 | Todd A. Confer '83 | Elaine M. Law | Harvey F. Rose '62 |
| Casey Lane Anderson '13 | Ed Dolan | Martin G. Law '78 | David Robert Rossman '70 |
| James C. Archer '67 | Kim A. Dolan '86 | Loren D. Leman '72 | Penny Schill Rossman '71 |
| Chase Michael Bains '13 | Edward A. Dornlas '64 | Chris Levy '70 | Chris C. Sahni '02 |
| Breanna L. Balleby '15 | JoAnn Dornlas | Tom Levy '70 | Brenda L. Schrage '91 |
| Abigail Michelle Beers '13 | Christopher Dubbs '19 | Kurt E. Lutterman '83 | Diana R. Scott '87 |
| Jordan Beers | Dr. Benjamin DuBois '94 | Kristin Machusic '13 | Jeffrey Gary Scott '87 |
| David Beisiegel | Craig E. Elliott '70 | Karl A. Malo '75 | Carol Westerberg Sedlacek '90 |
| Mary D. Beisiegel '96 | Inka B. Elliott | Kerney Malo '75 | Wesley Hans Sedlacek |
| Anne Bell | Margo A. Evashevski '93 | Herman S. Marenstein '74 | James Sebastian Shoaf '13 |
| Stephen K. Bell '85 | Casey Farm '05 | Carlos G. Martinez '72 | Peter Douglas Shoaf '13 |
| Vicki Monroe Beninga '65 | Joseph P. Flerchinger '81 | Pamela Ann Martinez | William B. Showalter, Jr. |
| Jacob Michael Benz '08 | Kristin Gilley Fritz '89 | Sarah Elizabeth Matsumoto '98 | Ian Stuart Simon '13 |
| Tammie Benz | Michael W. Fritz '88 | Dale E. McKenney '78 | Connor Yoshio Smith '13 |
| Barbara Weiss Boenzli '78 | Stephen George Gessling '15 | Linda Newsom McKenney '79 | Mike L. Stafford |
| Gabriel Harry Boenzli '83 | Frederick J. Glass '97 | Helen Hunsaker Meyer '69 | Tamara L. Stafford '85 |
| Michael Salvatore Bonacorsi '14 | Ruth Kim Glass | Meerta Mary Meyer '96 | Julie Ann Stevens '81 |
| Dr. Gilbert Boswell '83 | J. Michael Goodwin | Josef Milde '07 | Garold E. Swan '76 |
| Pamela Davis Boswell | Sheila Goodwin | Cynthia Irene Miles '71 | Janice M. Swanson '95 |
| James Russell Bowman '92 | Amy Grinde | Sidney J. Miles II '71 | Kent L. Thornburg '70 |
| Sally R. Bowman | Paul A. Grinde '85 | Ellen Jane Mitchell '85 | Steven D. Townsen '89 |
| Charlene White Bradley '69 | Glenn W. Hadden '73 | Byrne Tadaaki Miyamoto '15 | Heidi Vaughan '89 |
| Brian Christopher Breck '04 | Leslie Beatty Hadden '69 | Chad Merton Morrow '07 | Matthew William Vaughan '88 |
| Erin Nickole Breck '04 | Kathy Hadley '03 | Karissa Gerretsen Morrow '06 | Krista M. Washington '13 |
| Christina Brittan '73 | Mari Schallberger Hagen '74 | William A. Nicholson '77 | Todd Washington '85 |
| Andrea Marie Bruce '10 | Thomas Lee Hagen '74 | Rem Darrin Nivens '92 | James K. Weider '90 |
| Lori Williams Burton '83 | Kamela Susan Hammerschmith '92 | Brian A. Oliver '87 | Suzanne Heisler Weissman '71 |
| Michael Craig Burton '83 | Mark J. Hammerschmith '94 | Tracy Ann Oliver | John Thomas Well '76 |
| Brady Darald Callahan '94 | Quyuan Han '96 | David W. Overgaard '11 | Douglas L. Wells '71 |
| Kendra Grace Callahan '95 | Eileen Potucek Hartmann '74 | Stephanie R.B. Overgaard '11 | JoAnn Wells |
| Don Gray Carter '74 | Norbert A. Hartmann, Jr. | Darrell Owens | Beverly Diane Wheeler '74 |
| Faith Knoepfle Carter '75 | Cecilia Ann Hertan | Taryn C. Owens '17 | Vanessa Lynn Winn |
| Engred Kulland Chai '92 | Robert Emmet Hertan '72 | James G. Parks '70 | Chitlada Wise |
| Srikumar Rama Chandran '79 | Jens A. Jensen '70 | Kathleen Anne Parks '72 | William N. Wise '82 |
| Donald W. Chapin '68 | Karen Kaye Jernstedt, Ph.D. '74 | Amy Elizabeth Peden | Betty Young '80 |
| Jacob T. Chickadonz '17 | Darren Michael Kipper '81 | Kyle Peden '13 | Henry Siu Yin Young '81 |
| DaLeane Heaton Chin '91 | Susan Kipper '81 | Richard R. Pickard | Richard Y. Zhao '85 |
| Peter-Jon Chin '90 | Janelle Christensen Klar '74 | Christopher Ray Ratliff '74 | Patricia Zolotoff |
| Kelly A. Clairmont '04 | Lawrence R. Klar '75 | Gayle Okita Ratliff '74 | Terry John Zolotoff '79 |
| Alice Atsma Clarke | Barbara Heath Ladd '62 | Cheron Ruzek Rhodes '65 | |
| Jackson Cole Clarke '13 | Irv Ladd '62 | Alan C. Ringo '76 | |
| Michael Byron Conan '16 | Jim J. Lampus '75 | Virginia Ringo | |
| Renita Confer | | | |

CHANGES



Dick Fosbury '72, Ketchum, Idaho, took office in January as a Blaine County Commissioner, having been elected in November to a two-year term. The engineer and legendary Olympic gold high jumper said his focus will mostly be on “workforce housing, river restoration from flood damage in 2015 and 2017, and improving the level of service to the public.” He also will serve as a commissioner of the Southern Idaho Regional Solid Waste District, he said, where “we are turning garbage from seven counties into energy.”



Erin Mintun '07, New York City, has been appointed senior designer for Reebok Classics. She has also worked for Cole Haan and as a freelance consultant focusing on trend, color and concept design in various markets.



Joth Ricci '91, Portland, has been named president of Dutch Bros Coffee of Grants Pass, which has more than 320 locations and approximately 10,000 employees in seven states and is the nation’s largest privately held drive-through coffee company. A beverage industry veteran who was most recently CEO and president of Adelsheim Vineyard, Ricci will work with Dutch Bros CEO and co-founder Travis Boersma to pursue goals that include having 800 locations within five years. Ricci has served on the OSU Alumni Association Board of Directors and on the OSU Foundation Board of Trustees.

Alex P. Sutton '00, Portland, has joined three other attorneys — Paige A. De Muniz, Dylan M. Cernitz and John J. Christianson — to form Four Point Legal, a boutique law firm with expertise in family law, estate planning and general business law. His practice focuses on high-asset litigation, support issues and high-conflict custody issues.

PUBLISHED

Kathy Bench-Martin '91 '93, Dallas, Oregon, has published her first young adult novel, *Fish Camp*, under the pen name Kate Banco. It’s about a 17-year-old girl who is orphaned and must make her way to the U.S. to live with an uncle.

Michael Clark '10, Newport, has published *The Quiet Blossom: A Story about the Modern Wild West, the American Dream, and Marijuana*, a “nonfiction novel” about the subculture that formed around the marijuana industry in Northern California.

Eric R. Eaton '83, Colorado Springs, Colorado, in collaboration with Gregory S. Paulson, has published a new edition of *Insects Did it First*, which parallels the achievements and social behaviors of humans with similar successes in the insect world.

Virginia Renoud Johnson '69, Crabtree, has published *A Greenhorn Gal: Life in Eastern Montana*, a collection of 13 nonfiction short stories and 19 recipes.

Josh McLean '01, Portland, has published *Catalyst: Ignite Your Spark Within to Achieve Powerful Transformation*, which aims to help the reader get unblocked and become clear about what success looks like.

Rabbi Jack Segal '60, Houston, Texas, has published *Never Give In; Never Give up*, a collection of 59 short stories with positive, optimistic messages.

BUILD YOUR CAREER

We're here to help you discover different approaches for your career and work life.

CAREER WEBINARS:

APRIL 25 | Five Ways to Create Career Connections

MAY 16 | How to Make Telecommuting Work for You

JUNE 13 | Set Boundaries and Achieve Work-life Balance

Check out the new online career book club, OSU Beavers Read. Meet fellow alumni and gather together to read about career development, leadership and more. For free!

osualum.com/career



Oregon State University
Alumni Association

RECOGNITIONS



Luke Betts '02, Bend, received the Safety Professional of the Year award from the American Society of Safety Professionals for Region 1, which encompasses Alaska, Hawaii, Washington, Oregon and California. He is a senior safety management consultant with SAIF Corporation.

Yuliya Dennis '12, Corvallis, was selected as the CASE (Council for Advancement and Support of Education) District VIII 2018 Rising Star in Alumni Relations for her work in career development at the OSU Alumni Association. She is the association's director of alumni career services.



Tammy Henderson '00, Beaumont, Texas, has been selected by the National Council on Family Relations to be program chair for the 2021 NCFR Annual Conference, scheduled to be held in Baltimore. The program chair selects the theme, identifies the plenary speakers and prepares the call for abstracts. Henderson is a professor at Lamar University. Her research focuses on family policy, law and diversity.

Tom Nelson '83, Corvallis, was named Economic Development Leader of the Year by the Oregon Economic Development Association, in recognition of a 17-year career at organizations large and small in Oregon. Nelson had announced his plans to retire in 2019. His service includes managing the Corvallis-Benton County Economic Development Office, a partnership between the City of Corvallis and Benton County that was launched in 2012 to encourage balanced, sensible economic growth in the area. His career includes service on the Albany City Council.



PASSINGS • ALUMNI

Stearns D. Eason '37, East Wenatchee, WA *Phi Gamma Delta*

Lois Burchard Berlin '38, Castle Rock, CO *Alpha Gamma Delta*

Elizabeth Naylor Duke '38, Albany *Pi Beta Phi*

Virginia Allison Petersen '38, Eugene

George O. Black '40, Columbia, MO

Joyce Stellmacher Carnegie '40, Albany

Billy Drinkwater '40, North Port, FL
Lambda Chi Alpha

Evelyn Yungen Elliott '41, Dallas

Alfred "Bill" W. Sweet '41, North Bend

Marion Chausse Taylor '41, Rocklin, CA
Alpha Delta Pi

Commercy Coleman Warrell '41 '46, Boston, MA

Florence Boyer Black '42, Columbia, MO
Delta Delta Delta

Doris Pingel Brower '42, Kennewick, WA

Alvera Brookman Dunn '42, Burke, VA

Rex A. Elder '42, Greenbrae, CA

George M. Epperson '42, Riverside, CA
Theta Chi

Roberta Lewis Frank '42, Spokane, WA
Pi Beta Phi

Brice L. Hammack '42, Beaverton

Virginia Hall Peckham '42, San Clemente, CA
Pi Beta Phi

Mary Schmitt Smith '42, Corvallis

Caroline Stipe '42, Issaquah, WA

Nellie Barry Wahlert '42, Fruitland, ID

Mary Maw Brumbaugh '43, Marinette, WI

Noel B. Flynn '43, Lake Oswego

Kenneth W. Hedberg '43, Corvallis
Theta Chi

Dagmar L. Jamison '43, San Francisco, CA
Kappa Kappa Gamma

William P. King '43, Lake Worth, FL
Kappa Sigma

Georgia White Koehler '43, Beaverton

Robert "Bob" E. Stutz '43, Los Altos Hills, CA
Lambda Chi Alpha

Jeanne Miller Cissna '44, Arcata, CA

Margaret E. Hamilton '44, Eureka Springs, AR
Pi Beta Phi

Gretchen Clinton Kean '44, Coos Bay
Gamma Phi Beta

Verland Huff '45, Portland

Lester W. Scott '45, Ontario

Geraldine Madison Beals '46, Portland

Gay Chin '46, Bethesda, MD

Barbara Adams Dargatz '46, Hailey, ID

Barbara Sweeney Fanger '46, Vancouver, WA

Gloria Winchester Havercroft '46, Anacortes, WA

Anne Lumsden Kirkpatrick '46, Baker City
Kappa Kappa Gamma

Suzanne Michelson Stewart '46, Wilsonville
Alpha Chi Omega

Jacqueline Denzer Brunnick '47, Shelby, NC
Chi Omega

Delmer L. Connet '47, Portland

Terence "Terry" B. Elder '47, Corvallis
Delta Upsilon

Charlotte Feyerabend Fitch '47, Astoria

Laura Hampton Hevel '47, Waitsburg, WA
Kappa Kappa Gamma

John E. Johnson '47, Newberg

Lois Wagner Jones '47, Greeley, CO
Sigma Kappa

Robert L. Lamkin '47, Portland
Theta Xi

Faye King McGrath '47, Newberg
Alpha Chi Omega

Ruth Sheppard Merydith '47, Eugene
Sigma Kappa

Willard E. Nelson '47, Portland

James W. Smith '47, Forest Grove

Janet Charley Stocks '47, Coos Bay

Keith A. Acheson '48, Springfield
Sigma Alpha Epsilon

Kenneth "Gordon" G. Borchgrevink '48, Medford
Theta Xi

Dean Gillette '48 '50, Nashville, TN
Sigma Phi Epsilon

Eleanor Purcell Woodson '48, Lincoln City, Ore

John "Jack" C. Worthington '48, Carmichael, CA

Goldie Dumas Allison '49, Bellevue, WA
Delta Gamma

PASSINGS • ALUMNI

Glenn E. Asplund '49, Camano Island, WA
Herbert S. Borsting '49, Stockton, CA
Delta Chi
Ruth Briscoe Dalen '49, Salem
Wilfred "Bill" H. Epping '49, Shoreline, WA
Margaret Houk Fortin '49, Shoreline, WA
Ralph S. Gens '49, Kailua Kona, HI
Gail J. Gronewald '49, Vancouver, WA
Delta Tau Delta
Raymond C. Hansen '49, Depoe Bay
Kappa Sigma
Paul "Big Hop" E. Harper '49, Albuquerque, NM
Lambda Chi Alpha
Lawrence S. Horton '49, Medford
Hildegard Pardey House '49, Colorado Springs, CO
Kappa Delta
Richard E. Kingsley '49, Lebanon
Harry G. Lauritzen '49, Houston, TX
Patricia Hastings Murray '49, Woodland, CA
Gamma Phi Beta
Ellen Williams Neal '49 '67, Eugene
Delta Gamma
Robert "Bob" W. Stewart '49, Salem
Robert E. Woodley '49 '65, Richland, WA
Theta Chi
George J. Zeagas '49 '51, Vacaville, CA
Sigma Alpha Epsilon
John "J." A. Amort '50, Vancouver, WA
Phi Gamma Delta
Jesse "J." W. Barham '50, Longview, WA
Juanita Downing Brown '50, Lowell
Grant F. Brown '50, Bonanza
Stanley J. Buck '50, Sedona, AZ
Dorothy Dale Cassinelli '50, Portland
Beta Phi
James S. Cody '50, Ontario
Sigma Pi
Wallace "Bud" E. Gibbs '50 '59, Portland
Phi Delta Theta
Roy N. Gipson '50, Vale
Joseph "Joe" C. Greenley '50, Boise, ID
Janet Johnson Halligan '50, Bend
Christina Trapalis Hefty '50, Salem
Delta Delta Delta
Yoshio Inahara '50, Portland
George E. Jaska '50, Lakeview
Pi Kappa Phi
Harold V. Johnston '50, Milwaukie
Ralph I. Larsen '50, Raleigh, NC
Charles G. Mombell '50, Eugene
Beta Theta Pi
William C. Reiman '50, Corvallis
Sigma

Phi Epsilon
David E. Schlegel '50, San Jose, CA
Joan Gersten Trotman '50, Merrill
Chi Omega
Calvin E. Weissenfluh '50, Bend
Phi Kappa Theta
William J. Wendt '50, Baker City
Hawkin "Hawk" Au '51 '51, Newberg
Dean J. Blair '51, Fair Oaks, CA
Alpha Tau Omega
Richard "Dick" G. Carter '51, Camas, WA
Richard "Dick" W. Gilkey '51 '53, Beaverton
Leland K. Haldorson '51, Portland
Phi Kappa Tau
Donald F. Hays '51 '52, Waterford, MI
Sigma Alpha Epsilon
Theodore L. Hopkins '51 '56, Derby, KS
Billie B. Keeran '51, Elma, WA
Venetia Neal Kyle '51, Upper Marlboro, MD
Jeannette Klemmer Landes '51, Indian Wells, CA
Kappa Alpha Theta
J. K. Murphy '51, Apple Valley, CA
Virginia Moses Neal '51, Vancouver, WA
Maurice T. Phipps '51, West Linn
William "Bill" W. Wiegant '51, Issaquah, WA
Ruth McCall Blackburn '52, Hood River
David W. Blair '52, Skillman, NJ
Karl M. Byers '52, Springfield
Lambda Chi Alpha
Harry "Curly" E. Council '52, Broomfield, CO
George S. Fullerton '52 '65, Vancouver, WA
Theta Chi
Donald E. Gilman '52, Sisters
Donald P. Landes '52, Green Valley, AZ
Sigma Alpha Epsilon
Laurus W. Lehwalder '52, Tempe, AZ
Sigma Alpha Epsilon
Robert "Bob" E. McDole '52, Tacoma, WA
Eldon O. Merklin '52 '53, Pittsburgh, PA
Edwin L. Noble Jr. '52, Lynnwood, WA
Theta Xi
James "Jim" R. Snook '52 '57, Clarkston, WA
Sigma Nu
Robert "Bob" G. Davis '53, San Dimas, CA
Phi Delta Theta
Barbara Swick Donnelly '53, Longview, WA
Joanne Dwyer Harsey '53, Boring

HOMECOMING 2019

CAMPUS
CELEBRATIONS
OCT. 7-11
CORVALLIS,
OREGON

OSU VS UTAH
OCT. 12
RESER STADIUM



Oregon State University
Alumni Association

PASSINGS • ALUMNI

- Shirley Lawrence Karnofski** '53, Redmond, WA *Kappa Alpha Theta*
Patricia Thompson Massinger '53, Dallas *Pi Beta Phi*
Marjorie Agan Payne '53, Monterey, CA *Alpha Chi Omega*
Jack J. Schlechter '53, Portland
Cornelius "Neil" J. Taylor '53, Salem
Elaine Yunker Whiteley '53, Portland *Delta Gamma*
Helen Jacobson Wittenberg '53, McMinnville *Delta Delta Delta*
Barbara Bowen Berger '54, Portland
Donald "Don" C. Davis '54, Corvallis *Acacia*
Kenneth L. Dille '54, Wappingers Falls, NY
Gerald H. Hoder '54, Hillsboro
Katherine Miller Jackmond '54, Keizer *Alpha Phi*
Colleen Chowning McCorkle '54, Kennewick, WA *Alpha Omicron Pi*
David J. McGregor '54, Keizer *Delta Sigma Phi*
Daniel A. Neuhauser '54 '60, Vancouver, WA *Pi Kappa Phi*
Janet Rufener Presley '54, Los Altos, CA
Phyllis Cramer Ronfeld '54, The Dalles
Gene T. Straight '54 '68, Stayton *Alpha Gamma Rho*
Joanne Gruver Wojahn '54, Dallas *Sigma Kappa*
Ronald "Ron" J. Aschbacher '55, Eagle Point *Phi Gamma Delta*
Grace Jackson Beavens '55, Manhattan Beach, CA *Kappa Alpha Theta*
Evelyn Greiner Christensen '55, Springville, UT
Carol McConnell Dey '55, Wilsonville *Kappa Kappa Gamma*
Donald E. Pallett '55, Lexington, NE
Evelyn Caniparoli Pizzo '55, Redmond, WA *Alpha Omicron Pi*
Thomas "Tom" L. Rix Jr. '55, North Hills, CA
Roger H. Tutty '55, Bainbridge Island, WA
John C. Herring '56, Portland *Delta Tau Delta*
James "Jim" L. Kinkaid '56, Salem *Alpha Gamma Rho*
Carol Hardie Morris '56, Dallas *Alpha Gamma Delta*
Samuel S. Wang '56 '59, Hamden, CT
Constance Hopkins Battaile '57, Portland
George E. Kahler '57, Yamhill *Alpha Gamma Rho*
Nancy Duncan McMorris '57 '85, Albany *Gamma Phi Beta*
Donald L. Peel '57, Springfield
John R. Simmons '57, Santa Rosa, CA
Danny "Dan" J. Brunner '58, Holliston, MA *Sigma Phi Epsilon*
Verne V. Church '58, Silverton *Delta Tau Delta*
Gary G. Coyner '58, Ventura, CA *Delta Tau Delta*
Janice Markstaller Donnelly '58, Lake Oswego
Julianne Frahm Hamel '58, Winthrop, WA *Pi Beta Phi*
Charles D. McIntire '58 '64, Corvallis
Ray A. McNeilan '58, Portland
Rodney J. Miller '58, Baker City
Yesh P. Puri '58 '60, Tulelake, CA
Carolyn Dorsey Rix '58, Portland *Chi Omega*
William "Bill" E. Sandine '58, Allen, TX *Phi Gamma Delta*
Patricia Burres Thompson '58, Orcas, WA *Sigma Kappa*
Gerald R. Christensen '59, Omaha, NE *Sigma Alpha Epsilon*
Vera Jorgensen Decker '59, Culver
Larry L. Gentry '59, Portland *Pi Kappa Phi*
Patricia Kirkey Hanson '59, Eugene *Gamma Phi Beta*
Gary R. Henrikson '59, Woodburn *Chi Phi*
Oliver W. Johnson '59 '65, Flagstaff, AZ
James E. Simonson '59, Poulsbo, WA *Sigma Nu*
William "Bill" B. Wylie '59, Santa Rosa, CA
Eugenie Perkins Brewster '60, Happy Valley
James D. Harrison '60, Albany
Kwaku Mensah '60, Portland
Wilmer H. "Wil" Post '60, Monmouth *Delta Upsilon*
Bob G. Rowland '60, Corvallis
Pamela Clayton Toelle '60, Bellevue, WA *Pi Beta Phi*
Larry C. Walker '60, Lake Arrowhead, CA *Beta Theta Pi*
Joyce Fuller Warner '60, Eugene *Kappa Delta*
Ronald D. Young '60 '66, Picayune, MS
Eugene A. Herb '61, Hillsboro
Douglas J. Mitani '61, Auburn, CA
Clyde R. Shiner Jr. '61, Lacey, WA
Virginia Boal Wagner '61, Portland *Kappa Kappa Gamma*
Arnold "Arnold" P. Appleby '62, Corvallis
James R. Baker '62, Wilsonville
Richard A. Ellerby '62, Coos Bay *Alpha Tau Omega*
Noah C. England '62, Thayer, MO
Eldon L. Farner '62, Albany
Edwin "Ed" W. Hug '62, Elgin
Prithvi C. Lall '62, Somerset, MA
Scott H. McKean '62, Nashville, TN *Delta Tau Delta*
Lon Rankin '62, Lebanon
James V. Reimann '62, Keizer
Michael R. Adair '63, Albany
Patrick H. Cochran '63 '66, Bend
E. H. Coker '63, Vermillion, SD
Charles "Pat" P. Evans '63, Bullhead City, AZ
Donald "Donn" G. Walls '63, Hermiston
Agnes Christian Koos '64 '70, Tangent
Gilbert W. Langhoff '64, Idaho Falls, ID
Sally Reynolds Lloyd '64, Arlington, VA *Kappa Alpha Theta*
James M. Mudd '64, Manzanita *Beta Theta Pi*
John A. Rogers '64, Portland
William J. Zach '64, Stayton
A. D. Allen '65, Salt Lake City, UT
Douglas "Doug" M. McDougal '65, South Beach *Phi Delta Theta*
Ralph R. Moldenhauer '65 '69, Dubois, WY
Gail Cockrell Purkerson '65 '68, Eugene
Thomas A. Rudy '65, Burley, ID
John R. Black '66 '66, Sebastopol, CA
Homer L. Clough '66, Boise, ID
Henry R. Ensminger '66, Hampstead, MD
Karren Marshall Espalin '66, Gresham *Alpha Chi Omega*
Richard F. Furrer '66, Oregon City *Sigma Alpha Epsilon*
Jack V. Liles '66, Albany
Victor C. Moose Jr. '66, Vancouver, WA
Richard J. Wilson '66, Goldendale, WA
Donna Newell Curtis '67, Carson City, NV
Nels W. Enderberg '67, Mount Vernon, WA
Barney C. Scott '67, Spokane, WA

Young alumnus lands in New York

From Portland to Corvallis to San Francisco to New York City, Owen Jones '16 pursues professional opportunities and dreams.



He grew up in Portland as the youngest of three children, and as part of an Oregon State family. “Both of my parents (Reilly '75 and Kerri Geil Jones '75) went to OSU and graduated from there, it was always on my list,” he said.

While at OSU Jones majored in finance in the College of Business. His involvement extended outside of the classroom. He cites three extracurricular activities that most helped prepare him for his career: his fraternity, Lambda Chi Alpha; working at the university’s Auxiliaries and Activities Business Center (which provides financial, accounting, human resources and administrative support for OSU’s auxiliary and student fee-based units) and serving as MU president his senior year.

“That leadership opportunity was a fast and worthwhile learning experience,” he said of his Memorial Union leadership. “I’m glad I took the risk. At the time, it was a restructuring of what student affairs looked like at OSU, and I feel like that prepared me a lot for what the post-grad experience would be like.”

Immediately following graduation, Jones moved to San Francisco and began working at Mixpanel, a user analytics and customer data start-up. Three years and one cross-country move later, he’s at Segment, another start-up in the same field, based in New York. While he didn’t go into finance, he feels the College of Business prepared him for his role as an account executive, helping small start-ups grow into large companies. “Working at a start-up has been really interesting, from the business side, to see the decisions that these fast-growing companies are making, and to be able to understand the high-level concepts behind them,” said Jones.

The move to New York is recent.

“I had the opportunity to visit New York a couple years ago,” said Jones. “I recognized that this is the kind of place I want to be, so I took the initiative to find an opportunity here.”

He also toys with the idea of doing some stand-up comedy.

“That is one of the goals: to build out a comedy career on the side,” he said. “Being in New York is one of the first steps in that.”

He joined the OSU Alumni Association to connect with fellow Beavers in new cities, and has found that his link to the OSU community stretches coast to coast.

“I’m still connected through my fraternity. I’m advising from a philanthropic standpoint,” said Jones.

Asked if he has advice for students and soon-to-be-alumni, Jones passes along what he was told:

“Taking risks and taking chances is important when you’re in school. College is one of the easiest places to learn about new things, try new opportunities and expand your world view. So, I would always encourage people to take those risks and put themselves out there.” 🍷

— Hannah O’Leary

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

OREGON STATER FAQs

How Do I...

UPDATE MY ADDRESS AND MAILING PREFERENCES?

osualum.com/address
877-678-2837

SUGGEST AN ARTICLE OR TOPIC?

stater@osualum.com

SUBMIT INFORMATION FOR THE “OF NOTE” SECTION, INCLUDING ALUMNI PASSINGS?

stater@osualum.com

READ A DIGITAL COPY OF THE MAGAZINE?

osualum.com/stater

MAKE A DONATION?

osfoundation.org/stater

BUY AN AD?

stater@osualum.com



Oregon State University
Alumni Association

PASSINGS • ALUMNI

Ted W. Clinton '68 '70, San Jose, CA
Marjorie Keatley Willenberg '68, Longview, WA
Deborah Boman Eley '69, Portland
Philip B. Frey '69, Salem *Phi Kappa Theta*
Richard "Dick" K. Fulwyler '69, Salem *Theta Chi*
Ruth Buesking Radich '69, McCordsville, IN
Elmer H. Stobbe '69, Abbotsford, BC
Rudolph "Rudy" J. Frank '70 '72, Cincinnati, OH
Jerome F. Perez '70, Clovis, CA
Shan S. Wong '70, Sugar Land, TX
Willis W. Au '71, Honolulu, HI
Kenneth "Ken" R. Burrows '71 '74, Lake Elsinore, CA
Sharlan Hanlon Colson '71, Lebanon *Gamma Phi Beta*
Robert W. Loomis '71, Grants Pass
Roberta Vale Bier '72 '75, Corvallis
Mary Kreidler Clemens '72, Cedar Falls, IA
Jean O'Neil Hadley '72, Silverton
Galen Itami '72, Portland *Acacia*
Margaret Kay Lewis '72, Corvallis
Richard "Dick" G. Macnab '72, Wasco
Leon E. Ray '72, Nacogdoches, TX
Jary M. Hansen '73, Bend
Russell H. Johnson '73, Mountain Home, AR
Sam D. Wilson '73, Eugene
Leah J. Conner '74, Pendleton
Iven H. Findley '74, Aumsville
Brian M. Glaspell '74, Port Townsend,

WA
Barbara Jackson Smutny '74, Battle Mountain, NV
Catherine Cornwell Traywick '74, Rincon, GA
Scott M. Webb '74, Salem
Arlen I. Hallbacka '75, Pahrump, NV
Thomas J. Loving '75, Springfield
Gary W. Montz '75, La Verne, CA
Marjorie MacGregor Young '75, Edmonds, WA
Lee G. Hibler '77, Salem
Fred G. Foulke '78, Monmouth
Michael J. McInroe '78, West Linn
Kenneth "Kenny" M. Parker '78, Powell Butte
Donald S. Rencz '78, Winnipeg, MB
Loren R. Leighton '79, Springfield
Eldon D. Olsen '79, Corvallis
Thomas V. Walker '79, Louisville, KY
James W. Belisle '80, Spokane Valley, WA
Curtis A. Rideout '80, Eagle, ID *Alpha Sigma Phi*
Sam M. Grossberg '82, Newberg
Rhonda K. Denney '83, Wapato, WA
James F. Little '83, Detroit
Laura Coats Skoglund '83, Tualatin *Kappa Alpha Theta*
Randall D. Kelley '84, Battle Creek, MI
Ronald J. Leinassar '84, Salem *Sigma Alpha Epsilon*
John D. Scarvie '85, Medford
Mary Moore Conrad '86, Happy Valley
James D. Graham '86, Portland
Rosanna Leeson '87, Philomath

Chris A. Maitrejean '87, Grants Pass
Mark H. Smith '87, Reno, NV
Dean H. Stephens '87, Corvallis
Scott W. Bryant '88, Happy Valley *Delta Upsilon*
Mary J. Hornig '88, Eugene
Raj K. Gupta '89, Knoxville, TN
Amelia S. Edwards '90 '91, Phoenix, AZ
Jeffrey J. Mitchell '90, Corvallis
Melinda Haseman Penhollow '90, Redmond
Heidi "Annie" Kiersey Winchester '91, Lake Oswego *Alpha Chi Omega*
Carol M. Rambousek '92, Sublimity
John W. Coddington '93, Kennewick, WA *Alpha Kappa Lambda*
Thomas M. Shaffer '93, Corvallis
Monique Brown Anderson '96, Portland
Robert R. Broeg '96, Saint Francis, WI
Daren D. Redden '97, Draper, UT
Staci D. Hintze '98, Rathdrum, ID
Alexia Bell Kennedy '01 '05, Clarkesville, GA
Jon M. Bosley '07, Charleston, WV
Melanie Wright Graham '11, Eugene
Grant F. Converse '13, Corvallis
Zachary K. Rose '15, Corvallis
Vitaly Ivanov, Hillsboro
Colin P. Jackson, West Linn
Rebecca Langer, Corvallis
Christopher D. Parker, Lake Oswego
Joseph H. Pham, San Leandro, CA
Reece L. Rollins, Redmond

PASSINGS • FACULTY AND FRIENDS

Floydella Alexander, Junction City
Paul G. Allen, Mercer Island, WA
Lloyd Babler Jr., Portland *Phi Gamma Delta*
Marilee McCoy Bailey, Milwaukie
Dale Barnecott, Corvallis
James M. Barnum, Greenleaf, ID
Randa G. Basa, Carson City, NV
Holly S. Bell, Albany
Dorothy M. Bergman, Salem
Tyler R. Boswell, Los Gatos, CA
Mary C. Bublitz, McMinnville
Bonnie A. Casper, Albany
Elaine Gardner Crone, Dufur
Eunice M. Davis, Independence
David Dewey, Bend

Jason L. Douthit, Portland
Minnie L. Droz, Oregon City
Wesley M. Droz, Oregon City
John W. Earlenbaugh, Portland
Chester V. Earls, Corvallis
Jeremy V. Ferries, Corvallis
David F. Finnigan Jr., Bend
Sandie Flickinger-Poe, Albany
Dorothea M. Franzosa, Corvallis
Joan M. Frischmuth, McMinnville
Betty J. Fritts, Scio
Robert Frolik, Albany
William F. Garber, Playa Vista, CA
Arlita S. Gens, Kailua Kona, HI
Robert D. Gordon, Lebanon
Anita L. Green, Absarokee, MT

William S. Greer, Beaverton
Charles Hall, Philomath
William G. Hallstrom, Eugene
Edward H. Heath, Corvallis
Jodie Allworth Hector, Tangent
Marijane Highsmith Heintzelman, Junction City
Mabel Herold, Wenatchee, WA
Joanne Hofstetter, Florence, AZ
William E. Hogsett, Corvallis
Lola S. Hoiting, Springfield
Marilyn C. Hull, Corvallis
Sarah M. Hunter, Laguna Woods, CA
Gary Jenkins, Lebanon
Bob Jenson, Pendleton
Warren Jewett, Cary, NC

PASSINGS • FACULTY AND FRIENDS

Geneva Kesey Jolley, Eugene
Robert L. Kane, Orange, CA
Keith M. Kaufman, Corvallis
George H. Keller, Corvallis
Curtis L. Kiefer, Philomath
Donna J. Kifer, Bend
Elizabeth “Betty” L. Klepper, Pendleton
Peter C. Klingeman, Corvallis
Annabel Knipe, Portland
James D. Liedtke, Monmouth
Kathleen L. Mackin, Vancouver, WA
Paul R. Marriott, Corvallis
Peg E. Mayo, Blodgett
Dorothy M. McElheny, Klamath Falls
Kenneth E. McGarry, Corvallis
Shirley J. Miller, Richland, WA
Stephanna M. Mingle, Santa Maria, CA
Charlee Moore, Portland
James A. Moore, Corvallis
Marlys B. Morland, Newberg
Atsumi Murray, Corvallis
David N. Myers, Corvallis
Mary E. Norseth, Portland
Earlene M. Oman, Normandy Park, WA
Owen M. Panner, Medford
Carolyn L. Paynter, Sutherlin
Phyllis Jackson Petersen, Albany
Brooks G. Ragen, Seattle, WA
Ramona Richards, Albany
Helen M. Robson, Gilbert, AZ
John M. Ruckwood, White Rock, British Columbia
Leonore Upham Russell, Greenbrae, CA

Joe Y. Saito, Ontario
Geraldine L. Sargent, Portland
Dorothy E. Scales, Lake Oswego
Evelyn Schmidt, Boring
Lynn J. Schonchin, Chiloquin
James N. Shaw, University Place, WA
Joan M. Shaw, Corvallis
Robert J. Shewbert, Gresham
Mabel C. Shou, Mountain View, CA
Alyce Sigala, Hemet, CA
Dale D. Simmons, Beaverton
Loerna P. Simpson, Albany
Howard B. Spaan, Beaverton
Mary K. Sprague, Eagle, ID
Dorothy D. Steele, Junction City
Michael A. Stone, Albany
Jonathan E. Strong, Albany
Joanne A. Stubbs, Portland
Zona L. Suess, Corvallis
William “Bill” Swindells Jr., Rancho Mirage, CA
Ronald H. Taft, Corvallis
David A. Thorneycroft, Dallas
Helen F. Townsend, Spokane, WA
Virgil E. Trick, Wilsonville
Elaine Van Vleet, Corvallis
Gertrude M. Wahlgren, Albany
Donald R. Whisenhunt, Portland
Richard Williamson, Oakland, CA
Morice “Tex” F. Winter, Manhattan, KS
Sigma Nu
Tom Wyatt, Vacaville, CA



GOLDEN JUBILEE REUNION

June 6-8



Get a haircut
and shine your
shoes!

Your reunion is just
around the corner.

Join us for a celebration of the
classes of 1969, 1964, 1959,
1954 and 1949. We have lots
of fun planned in both
Corvallis and Newport.
All classes are welcome!

View the full schedule at
osualum.com

Register by May 20
to claim your spot.



Oregon State University
Alumni Association

ANSWERS (Questions on page 14)

1. A. NMC411 The Art of Copypasta
2. True
3. True. Touted as the largest annual broadcasting convention in the world, the NAB Show began recruiting interns from OSU as part of its NAB Scholars program in 2003.
4. E. eSports athlete (professional video game player)
5. True
6. True. NMC students need to know formal logic in order to work with computers and design digital media. Boolean logic is extremely common in these contexts because it's the fundamental basis for binary computer language.
7. False. According to Article I, Section 8, Clause 8, U.S. patent law is upheld by congressional power. This is commonly referred to by patent attorneys and the wider intellectual property sphere as the Patent Clause or the Intellectual Property Clause.
8. B. Convergence
9. B. 51 percent
10. D. All of the above
11. A. NVIDIA. That would be Jen-Hsun Huang, a 1984 engineering graduate who is co-founder, president and CEO of the global technology company that designs and manufactures supercomputing and graphics processing units (GPUs) for a wide variety of platforms, many of them coveted by video gamers and 3-D artists. NVIDIA is a leader in providing the computing power to enable sophisticated artificial intelligence applications, including those required by autonomous vehicles. Huang was OSU's Commencement speaker in 2009 and received the OSU Alumni Association's highest honor, the E.B. Lemon Distinguished Alumni Award, in 2016.
12. B. \$661 million



CONNECTING BEAVERS SINCE 1873

“I was a nontraditional student — married, raising a family, working several jobs, attending OSU-Cascades full time and traveling to Corvallis for every home football game. I still managed to graduate in just over four years with honors.

When my husband and sons asked me what I wanted for graduation, the answer was easy: a lifetime membership in the OSUAA...GO BEAVS!”

— Debbie Tirrill | '04

- » STAY CONNECTED TO THE FUN
- » ENJOY SPECIAL PERKS
- » SHOW YOUR PRIDE

GIFT A MEMBERSHIP!

Visit osualum.com/gift_membership and use promo code **GIFT19** to give your favorite Beaver access to the OSU Alumni Association.



JOIN TODAY!

osualum.com/join | promo code: **SPRING19**
877-678-2837



Oregon State University
Alumni Association



Oregon State University Alumni Association

204 CH2M HILL Alumni Center
Corvallis, OR 97331-6303



Historical photos courtesy of Oregon Digital

We set out to **change the world.**

We loved. We struggled. And eventually, we settled down and grew deep roots. But Beavers never stop building.

Continue your amazing impact by supporting Oregon State University's work to create a healthier, more prosperous, and more just world for everyone.

Many people have found the joys and rewards of including OSU in their will. It is easy to do, and you'll

have the satisfaction of knowing that a part of your success will benefit others in a very meaningful way. You can even create an endowment in your name, **establishing your legacy at OSU forever.**

Don't have a will yet? We have an informative, three-part Estate Planning Course that can help you get started. There is no obligation, and your request will be confidential. **Contact us today.**

Jeff Comfort

Vice President of Principal Gifts and Gift Planning
541-737-3756 • Jeff.Comfort@osufoundation.org
osufoundation.org/giftplanning



Oregon State University Foundation