

FOCUS

FALL 2010

THE MAGAZINE OF OSU COLLEGE OF FORESTRY

Oregon State
UNIVERSITY

Dean's Column



June's graduation ceremony was particularly meaningful to me. It marked our 100th graduating class, and my 10th. In 1910 there were 4 degrees awarded, and in 2010 we produced 175 graduates. We are projecting increased numbers for new students; they are coming from the Northeast, Southeast and all the western states. Graduate students continue to provide a global perspective—around a third are from another country. We also continue to grow enrollment on the Bend campus, and most significantly with our on-line Natural Resources degree.

In these 100 years, the College has expanded and adapted courses and programs to meet the challenges in sustaining forests and natural resources for the environmental, economic, and social benefits they provide. We have produced thousands of professionals to manage forests for their multiple resources, improve manufacturing productivity, lead new research efforts, inform policy, and inform more knowledgeable citizens. In recent decades other institutions have eliminated or reduced their capacity in forestry. At the same time, forests have become increasingly recognized as important for climate, water quality, biodiversity, renewable products, and social/economic well-being. Our goal is simple—remain the number one program for forest resources and forestry. I believe our continuing growth in enrollment is a validation of this goal. I see challenges to this goal, but am excited by the faculty discussions for moving forward and remaining relevant to Oregon, the nation and the world.

In this and the previous issue I hope you take time to read about our newer faculty and recent graduates. These articles demonstrate the breadth of disciplines and knowledge that our students are exposed to, and highlight the different career opportunities available to our graduates. I also want to thank all donors to the College—the list goes far beyond the honor role. Your support helps attract high quality students, and allows faculty to innovate.

A handwritten signature in black ink that reads "Hal Schwassner".

FOCUS

THE MAGAZINE OF OSU COLLEGE OF FORESTRY

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On the cover: Wallowa Mountains, near Bonny Lakes, in northeastern Oregon. The trees in the photo are subalpine fir and high elevation five needle pines (either limber or whitebark). Both the pines and the subalpine fir are being impacted by non-native invasive species. The pines are being killed by white pine blister rust, while the subalpine fir is threatened by the recent arrival of the balsam woolley adelgid to the Wallowas. Photo credit: Dave Shaw.

Forest Health Matters

By Lori Deskins

Dave Shaw (assistant professor, FERM) calls his work with the OSU Extension Service as Forest Health Specialist “a dream job, because I can work statewide, and the forests in Oregon are really amazing—and the insect and disease issues are a challenge.” These problems can be managed in many cases, Shaw explains, although this requires forethought and planning. “Luckily, that is what we are all about in FERM!”

Born overseas, Shaw spent the first nine years of his life in Southeast Asia and Singapore, where his interest in birds and plants drew him to the forest for playtime and discovery. When Shaw’s family moved back to Ohio, he became active in Boy Scouts, and began hiking the Appalachian Trail with friends at the age of 15. “When I was 17, we spent two months hiking the Appalachian Trail,” Shaw smiles. “Every summer, I was trying to go somewhere outdoors.”

Since joining the College of Forestry at OSU in 2005, Dave Shaw has traveled plenty of places out of doors, statewide and beyond. As director of OSU’s Swiss Needle Cast Cooperative (SNCC), Shaw coordinates the collaborative efforts of public and private players in the campaign to research the dynamics of and to help tree growers deal with Swiss needle cast (SNC), a native fungal foliage disease specific to Douglas-fir, the most important timber species in the Pacific Northwest. A serious epidemic on the west slope of the Oregon Coast Range from Coos Bay to Astoria, SNC (caused by the ascomycete *Phaeocryptopus gaeumannii*) can substantially reduce growth rates and competitiveness in Douglas-fir—and it doesn’t seem to be abating.

This fall, Shaw and several research partners will hand an Integrated Pest Management (IPM) strategy to landowners and forest managers, to help them enhance timber productivity and health in the presence of SNC. In February, Shaw and Paul Oester, his eastern Oregon Forest and Natural Resources



Extension colleague, organized the first conference to address the health of Oregon’s forests, “Forest Health in Oregon: State of the State.” Held at OSU, this comprehensive collection of presentations is now accessible online at <http://oregonstate.edu/conferences/event/foresthealth2010/presentations.html>.

Coming to OSU after 11 years at the Wind River Canopy Crane Research Facility, Shaw brings expertise in vertical organization of canopy biota and extensive work with dwarf mistletoes—skills that he is sure to use on the recently secured Joint Fire Science Project in the Deschutes and Fremont-Winema National Forests. In collaboration with OSU Faculty Research Assistant Travis Woolley, FERM Forestry and Natural Resources Extension Fire Specialist Professor Stephen Fitzgerald, and researchers at the USFS Fire Modeling Institute in Missoula, MT, and others, Shaw will study how the vertical fuels organization changes over time in lodgepole pine stands after mountain pine beetle activity, which has dramatically increased on the eastern slope of the Cascades—over 500,000 acres in the last five years. “We’ll provide quantitative data on what is actually happening with the fuels organization . . . then that data can be run through various fire behavior models,” says Shaw.

Shaw currently mentors one graduate student, Leif Mortenson, who is working on California red fir (*Abies magnifica*) mortality and decline in California, using Forest Inventory Analysis (FIA) plots. “I think he’s mostly interested in whether there are



patterns within the state landscape where red fir is experiencing any major issues, so he's looking at the dwarf mistletoes, root diseases (*annosus* in particular), and bark beetles, which are the top three," Shaw says.

Shaw enjoys keeping busy with his many projects and collaborations at OSU: "Oregon is looked at as a leader in forest health because we've invested so much. It has been a really rich, positive experience and I've been learning a lot from these people; most of them have 20 years or more of field experience."

Lori Deskins is a senior at OSU and is majoring in botany & plant pathology.

Left: Lodgepole pine killed by mountain pine beetles on the Fremont-Winema National Forest. Shaw's research group is currently working in this area on bark beetle-fire interactions. Photo credit: Amy Kruse, USDA Forest Service silviculturist. Below: Dave Shaw, checking on 1,000 cankers disease in a downed walnut (*Juglans L.*), with Jay Pscheidt, Botany and Plant Pathology, OSU. Photo credit: Travis Woolley.





From Bees to Bears

By Lori Deskins

Originally from the Adirondack region of northern New York, Anita Morzillo (assistant professor, senior research, FES) came to OSU in September 2009, from the Environmental Protection Agency (EPA) in Corvallis, where she spent several years as a biologist.

Morzillo's first research experience involved comparing the thermoregulation of arctic and temperate bumblebees, as an undergraduate research assistant at the State University of New York (SUNY) at Plattsburgh, in the Biological Science and Honors Program. Planning a business career in biology, she earned an MBA in 1999 at Saint John's University in New York City, working full time and attending night school. "I quickly found out that wasn't the right career path for me," Morzillo says. After spending a summer in Europe, she laughs, "I changed my career path back to ecology."

Earning her master's degree in Zoology at Southern Illinois University at Carbondale in 2001, Morzillo completed a dual degree PhD at Michigan State University—Fisheries and Wildlife and Ecology & Evolutionary Biology and Behavior—in 2005. "My experience with the corporate view really piqued my interest in the practical ecological and social aspects of environmental issues," says Morzillo.

Conducting an ecological habitat analysis and a social science analysis concerning a Louisiana black bear population recovery in southeast Texas for her doctorate research, Morzillo and others discovered plenty of available habitat. "It's really the social aspect at issue," says Morzillo, "and most of the respondents like bears and prefer a natural recovery, in which the bears move back into the area on their own."

Morzillo was drawn to the Forest Ecosystems and Society department in the College of Forestry for its interdisciplinary focus. Most of Morzillo's research is geared toward meeting the needs of wildlife, while also considering the needs of humans, and she enjoys the challenge. The recipient of a 2009 National Science Foundation Coupled Human and Natural Systems (CHANS) award, Morzillo recognizes the value of sharing her work with others. For her April 2010 annual presentation at the U.S. chapter of the International Association for Landscape Ecology (US-IALE), Morzillo

Louisiana black bear (*Ursus americanus luteolus*) with radio collar, northern Louisiana. Photo credit: Anita Morzillo.

Anita Morzillo and friend. Photo credit: Danielle White.

and Ralph Alig (USDA Forest Service) addressed attendees in Athens, Georgia on the “Impacts of land-use conversion for bioenergy on wildlife habitat,” a conceptual examination of potential linkages among natural resource policy variables that could affect wildlife habitat across regional landscapes.

Morzillo is currently working with three graduate FES students. PhD student Diana Raper is examining predator-moose interactions in the Glacier Bay area of Alaska, evaluating how vegetation changes associated with global warming and anthropogenic stressors may affect the moose population; Jacob Gross presented his current master’s research on effects of fuels management on wildlife habitat and timber products with Morzillo at the American Society of Mammalogists meeting in June at the University of Wyoming; and Michael Calkins is Morzillo’s newest PhD student, with interests in landscape ecology, biogeography, mammal conservation and management, and geospatial technologies. “So far, I really like the challenges of starting new research projects and of guiding students through their projects, because everyone is unique, and research interests and effective communication vary by person,” Morzillo says.

Morzillo’s penchant for multifaceted experiences includes playing violin in the Willamette Valley Community Orchestra and sharing her home with two litter-trained rabbits that she adopted from Heartland

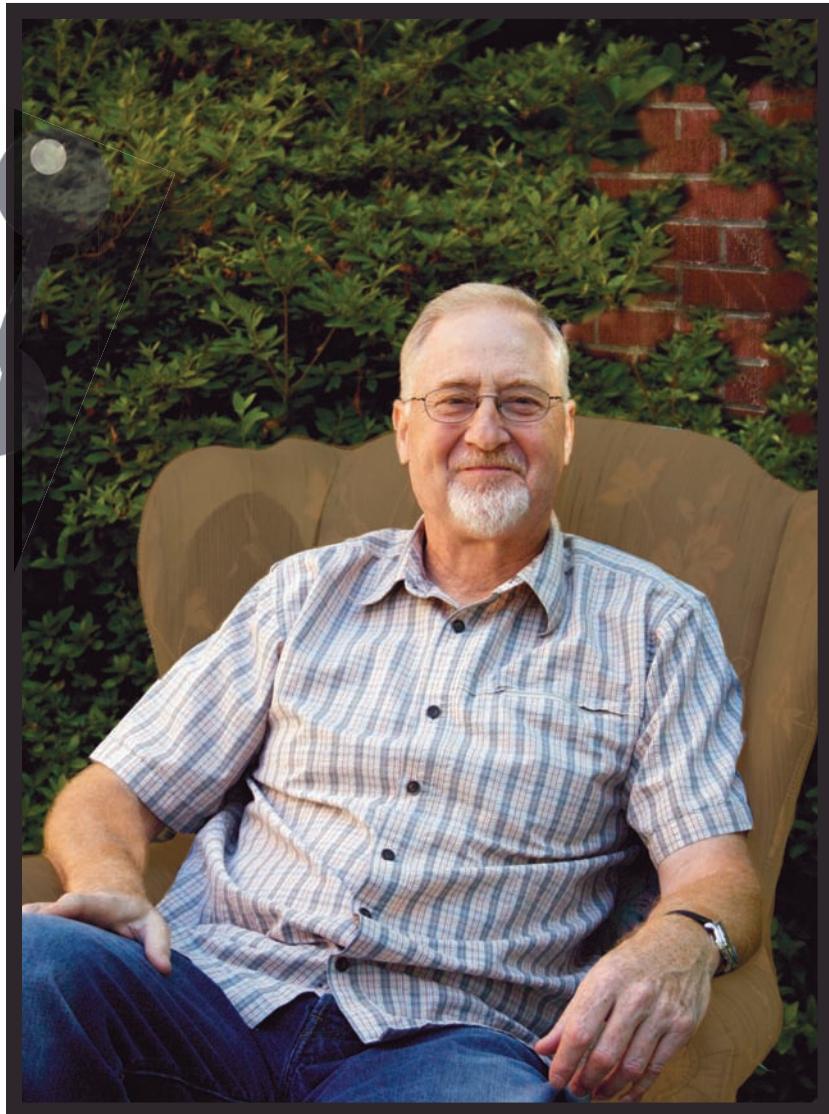
Humane Society. “They’re really great pets,” shares Morzillo.

And of course, she enjoys “all the outdoor activities that come with living in Oregon—including hiking, snowshoeing, and skiing.” Of her work, Morzillo smiles, “It’s always something new, and I enjoy the problem-solving aspect of it.”



From Industry to Academia

By Lori Deskins



After 35 years in the wood products industry, David Smith is helping students in OSU's Wood Science and Engineering (WSE) department become the next generation of professionals who will carry the industry into the future. "I grew up in a timber town, Longview, Washington, and it seemed like a natural progression for me to do something associated with the forest industry," says Smith. At the University of Washington, a professor encouraged Smith to use his science and mathematics aptitude to pursue a degree in wood science; after graduation, he worked as a chemist in a pulp mill lab. "I learned a lot about

environmental control and big operations process control," says Smith.

A few years later, Smith was working for a machinery company that made process technology for building mills and wood processing facilities, and he returned to the University of Washington, earning his master's degree in wood technology in 1979. Over the next two decades, Smith worked in Oregon and Montana for two companies, honing his skills in new product development and primary production, mostly in the area of composite panels. Before coming to OSU in 2008, Smith spent 12 years as a senior process specialist for an engineering



consulting company in Eugene, working on projects installing pollution control devices, expanding mills, incorporating new equipment, and even building mills from scratch. On the design and construction of

facilities in Russia, China, Japan, Ireland and Spain, as well as all over North America, Smith became well-acquainted with the international wood products industry. “One of the things I liked best... was the experimental side of things,” says Smith, “and integrating emissions controls devices into facilities without compromising the performance of the facility was always a challenge.” Smith sees a silver lining in the pollution control regulations, though, “because in order to close the loop and minimize their emissions, facilities must really understand and control their processes—they have to run better.”

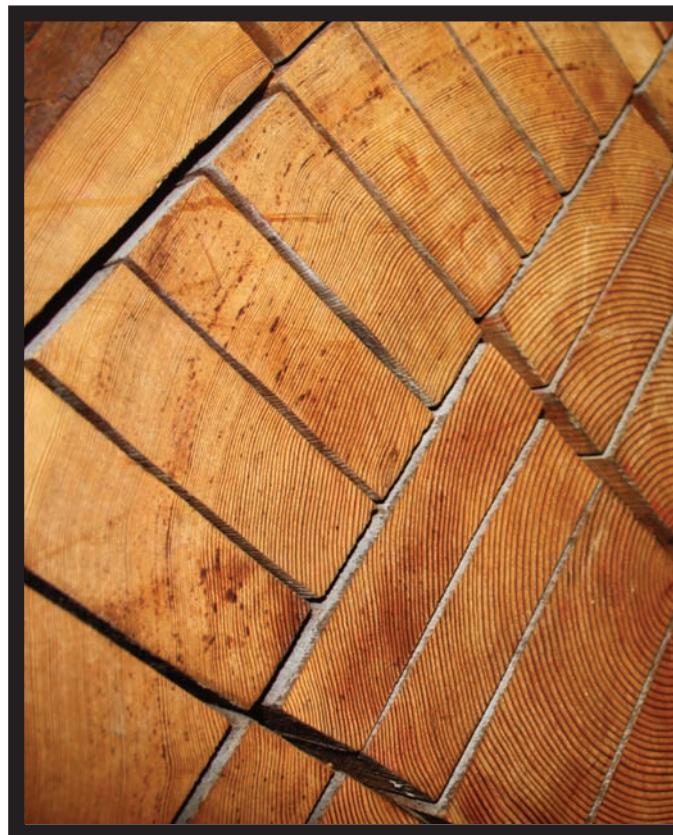
In March, Smith received the Distinguished Service Award from the International Wood Composites Symposium in Seattle in recognition of significant scientific and industrial contributions in the field of Wood Composite Materials, and presented a policy paper on wood as a renewable fuel, as well as for biomass energy generation. Of his OSU Forest and Natural Resources Extension appointment, Smith says, “I have a responsibility to reach out and support our rural communities and our industry.”

Smith and others are working with the community of Vernonia, a small timber town in northwest Oregon devastated by flooding in 1996 and in December 2007, on implementing renewable energy from woody biomass for economic stimulation and sustainable energy independence, as the town continues to rebuild on higher ground. Smith says the model they are working on for Vernonia “might be transferable to hundreds of rural communities around Oregon and in the Pacific Northwest, over time.”

Smith’s insight and perspective from his industry experience complements the multidisciplinary

nature of the WSE curriculum, a curriculum that, Smith says, is expanding in scope to include renewable materials: “The industry is really evolving, and requirements that employers are looking for from [graduates] are also changing. We need to prepare our students to be adaptable, to work in an enormous variety of jobs, and to have a broader perspective of how companies operate.”

This year, Smith will teach senior and graduate courses in manufacturing with renewable materials and bioenergy and environmental impact, and will be taking a greater role in undergraduate advising. “I always felt like I had an affinity for education, and I enjoy working with young people,” Smith smiles, “I feel like this is a good place for me to make a contribution, and that’s really the whole reason that I came.”



David Smith (left); teaching demonstration of efficient log sawing patterns. Photo credit: Danielle White.

Tim Keith,
OSAF Chair,
presenting
Julie
Woodward
with the OSAF
Forester of the
Year award
at the annual
meeting in
April. Julie
was honored
for her collaboration and integration of the
forest and education sectors in Oregon,
including the recent introduction of a new
state-wide program focused on taking
information on careers in forestry into
high school classrooms. Photo credit: Rick
Fletcher.



Rediscovery

By Danielle White

Tucked away on the outskirts of Silverton, Oregon, where forest meets pavement, the Oregon Gardens and the Rediscovery Forest await visitors. Julie Woodward (FM '99 and MS '08), Forest Education Program Manager with the Oregon Forest Resources Institute (OFRI), manages the educational forest and develops, coordinates, and delivers OFRI education programs for K-12 students, teachers, family forestland owners, and the general public.

She works in forestry education/outreach and is from a fourth-generation forestry family in Silverton. However, forestry was not her first choice when she came to OSU. "I thought I didn't want to do forestry and so I started in the College of Business," she laughs. "I shortly realized that I missed the natural resource side of things!"

She stayed in the business program at OSU but added a forestry major as well. During her undergraduate years, Woodward managed to travel abroad for internships in Norway and South America, something she encourages others to do if they choose. "It is amazing the connections the forestry professors have and how many people have come to study with them from all over the world," she notes. "That's a great thing about the College of Forestry—if you have an interest in international travel, there are so many professors who can help you do it." What's more, her international trips reminded Woodward of what she valued back home. "I am so glad I took that opportunity to go abroad," she says. "It made me realize that Oregon was the place I wanted to eventually come back to and do forestry. We have some of the best science and forests in the world. And unless you go out and explore, well, sometimes it can be hard to know that."

Woodward graduated in 1999 with a bachelor's degree in both business and forest management—a combination that proved particularly useful when she and her husband, Chris Woodward, began the forestry consulting business, Woodward Forestry, LLC, in 2006. She began working for OFRI as an education specialist in 2001. OFRI was created by the Oregon Legislature in 1991 to improve public understanding of the state's forest resources and encourage environmentally sound forest management practices for forest landowners.

As her job with OFRI gradually evolved to include additional work with Extension and higher education, Woodward decided to return to OSU for the Natural Resource Education & Extension graduate program. Under the guidance of Viviane Simon-Brown (FES Professor and Forest and Natural Resources Extension Specialist), Woodward conducted a research project focused on developing high school curricula, specifically, modules for science teachers to use in teaching about Oregon's forests. She also credits Susan Sahnow, Director of the Oregon Natural Resources Education Program (OSU Extension), for providing guidance on the NR Education and Extension program's K-12



OFRI Forest Education Program
Manager Julie Woodward (FM '99 and MS '08) and first-graders from Harriet Elementary School in Salem stop to discuss (and point out) conifers on their way to the Rediscovery Forest at the Oregon Garden in Silverton. Photo credit: Twyla Campbell.

teacher connection and serving as a Project Learning Tree/Project WILD facilitator; and Professor Ed Jensen (Associate Dean for Academic Affairs) for serving as a mentor during both her undergraduate and graduate years.

Today she is overseeing the expansion of the Rediscovery Forest program. The Rediscovery Forest is the result of a partnership between The Oregon Garden, forestry organizations and OFRI. It provides education for K-12 students, Oregon landowners, and teaching professionals in the fields of forest management, silviculture, wildlife habitat, and other forestry-related activities. The program has made great strides towards re-introducing the public to forestry: 3500 students and increasing numbers of teachers arrive every year to visit the gardens and learn about the forest. This is especially important due to the increasing level of "disconnect" children and others have with the forest. Woodward, who is a certified Project Learning Tree facilitator, notes that although some communities are making an effort to re-connect students with nature, few classes visit or have much experience with forests, even when forests are nearby. "That is what is great about the Rediscovery Forest," she says. "We're a great introductory forest because we're right off pavement and we have restrooms available!"

Woodward's work also often involves collaboration with numerous forestry organizations to help improve Oregonians' understanding of the state's forest resources, including OSU Forestry Extension. She is a Master Woodland Manager and often partners with extension agents to deliver programs and develop materials for use by Oregon landowners. She is also actively involved in the Society of American Foresters (SAF), currently serving as the state education chair.

Danielle White is a senior at OSU and is majoring in wood science & technology.

Graduation Day, 2010

Students, faculty, staff, family, and friends gathered in the Peavy Hall Courtyard under brilliant blue skies for the annual College of Forestry Brunch, held June 12 in celebration of the 2010 Oregon State University Commencement.

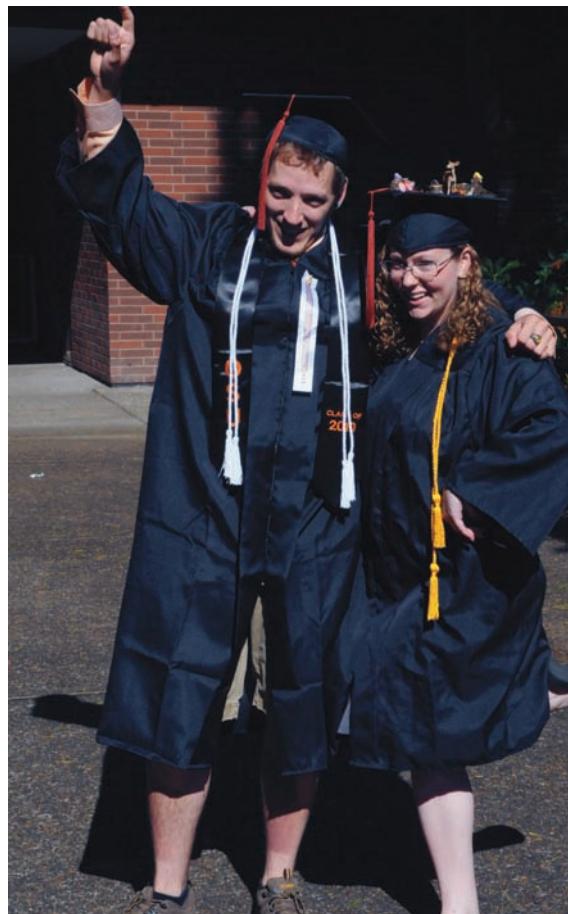
This year marked the 100th graduating class of forestry students since the first class of four undergraduates in 1910. During the 2010 academic year, 137 students earned undergraduate degrees from the College of Forestry. The College proudly notes that 36 students from this exceptional class graduated with academic distinction. Of these, 18 graduated *cum laude*, 8 graduated *magna cum laude*, and 10 graduated *summa cum laude*. The College awarded three Honors Bachelor of Science degrees, two to Natural Resources students and one to a student who completed the double-degree Forest Engineering and Civil Engineering program.

The Graduate School conferred 22 Master of Science degrees, 3 Master of Forestry degrees, and 13 Ph.D. degrees. This included 5 Forest Engineering students, 13 Forest Resources students, 10 Forest Science students, and 10 Wood Science & Engineering students. These graduates join the 6214 alumni who have earned an undergraduate degree and 1765 alumni who have earned a graduate degree during the 104-year history of the College of Forestry.

Congratulations to all our College of Forestry graduates! We wish you the very best as you go forward in your lives and with your careers.

Urban and Community Forestry Award

Professor Ed Jensen (Associate Dean for Academic Affairs) was chosen to receive an Oregon Community Trees' 2010 Urban and Community Forestry Award in the President's Award category in June 2010. The award was made in recognition of Jensen's decades-long work updating *Trees to Know in Oregon*, his passion for educating students, and the outstanding example Jensen sets "for kids, teachers, parents and professionals...whose hard work, dedication, knowledge, organizational skills and tireless work ethic are too often overlooked or taken for granted."



Joshua Taggart, RRM, and Stacey Frederick, NR.

Break a leg!

Congratulations and thanks to our senior writer and editorial assistant, Bryan Bernart, who graduated from OSU in June with a degree in English. After a summer internship with Opera North in New Hampshire, Bryan plans to return to Portland and pursue a career in acting.

During his five years with the FCG, Bryan wrote many articles for Focus and the "100 Faces of Forestry" web project, took photos for College events, edited research articles, formatted (countless) lit cites, mailed reprints, solved various tech problems, input FRL entries in the OSU ScholarsArchive, updated the Facebook page, maintained the CoF publications database and reprint archive, hauled boxes, moved furniture, ran out for coffee, and basically performed any task that came his way competently and cheerfully. Although we'll miss seeing you at the front desk in Peavy 280 and on stage at Withycombe, we wish you all the best in the future!



Congratulations to College of Forestry student and faculty award winners for 2009-2010!

The College honored top faculty, students and alumni, at the annual awards banquet in May 2010. The evening began with a wonderful performance by OSU's Swing Club Lindy Hop group—including the College's own Danielle White, a senior in Wood Science & Technology. The audience also was treated to a slide show of the winning photos in the Photo of the Week Contest sponsored by the College of Forestry's Student Services Office. The Photo of the Year winner was chosen from the weekly winners. "Eagle Cap Wilderness," by Talia Filipek, was the Photo of the Year. Honorable Mentions went to "Gold Butte," by Rebecca Burson, and "De Long Mountains Western Brooks Range," by Becky Brenton.

The evening's keynote speaker was OSU alumna Mary Castle (FE, 2000), who has been employed with Weyerhaeuser Company for the last 10 years. Three other alumni received the Outstanding Alumnus Award, which acknowledges College of Forestry graduates who have made outstanding contributions in various natural resource fields or programs of the college:

- Barry Goldfarb, who received a 1990 doctorate in Forest Science, and is now head of the Department of Forestry and Environmental Resources at North Carolina State University, and director of the Center for Advanced Forestry Systems supported by the National Science Foundation.
- John Mann, who received a master of forestry degree in 1979, was general manager of coastal operations for International Forest Products Limited, vice president for timberland operations at Timberwest Forest Products, and vice president of the Western Division of the Forest Engineering Research Institute of Canada.
- Erik Wilson, a 1995 Forest Products graduate, who is converting superintendent for Georgia Pacific's Wauna paper mill in Clatskanie, served as chair of the Willamette Valley section of the Forest Products Society, and is strong supporter of the College of Forestry and OSU.

The Aufderheide Award for Excellence in Teaching was made to Marvin R. Pyles, Knudson Chair of Forestry in the Department of Forest Engineering,

Resources and Management. The Xi Sigma Pi/Julie Kliewer Outstanding Mentor Award went to Jo Tynon, assistant professor of recreation and tourism in the Department of Forest Ecosystems and Society.

The College of Forestry also awarded nearly \$500,000 in fellowships and scholarships for the 2010-11 academic year, and four seniors received the College's traditional awards. They include the Paul and Neva Dunn Outstanding Senior Award, to Rachel Heath, majoring in recreation resource management; the Harold "Hal" Bowerman Leadership Award, to Andrew Merschel, an honors college student majoring in natural resources, and Casey Davis, majoring in forest management; and the Kelly Axe Award, to Luke Durkee, majoring in forest engineering with a business and entrepreneurship minor.

The Pack Essay Award was established several decades ago at forestry schools across the nation by Charles Lathrop Pack to encourage sound communication skills for forestry and natural resource professionals. This year there were two Pack Essay Award recipients: Becky Brenton, for "Death Sentence for a Drinking Problem," about fire suppression and the rise of junipers; and Rose Hansen, "Pilgrims," about falling in love—not just with another person but with nature, a landscape, and life itself.

Each year, the College of Forestry gives special awards to outstanding students who have made significant contributions and/or excelled academically in each of our degree programs. The Outstanding Student recipients were as follows: Forest Engineering or Forest Engineering/Civil Engineering, Sam Lovelace; Forest Management, Amber Craig; Recreation Resource Management, Rachel Heath; Tourism & Outdoor Leadership, Tyler Roemer; Wood Science & Technology, Jonathan Gates; and Natural Resources, Allison Field.

Congratulations to all our award winners and scholarship and fellowship recipients! Special thanks go to Kira Hughes and Danielle White of the College of Forestry Student Services Office for planning another enjoyable evening!

Successful College of Forestry Graduate Students—Congratulations!

Adin Berberovic, PhD in Wood Science
“The Impact of Wood Variability on the Drying Rate at Different Moisture Content Levels”

Yohanna Cabrera, PhD in Wood Science
“Effect of Biocide Treatment on Durability and Fungal Colonization of Teak, Western Red Cedar, and Redwood”

Erin Kelly, PhD in Forest Resources
“Forest Industry Restructuring and Emerging Forest Tenures in Deschutes and Klamath Counties, Oregon”

Tzeng Yih Lam, PhD in Forest Science
“Exploration of Statistical Methods for Synthesizing the Effects of Variable-Retention Harvesting on Multiple Taxa”

Edward A. Le, PhD in Wood Science
“Numerical Modeling and Experiments on Wood-Strand Composites”

Niels Leuthold, PhD in Forest Science
“Short-Term Relationship of Timber Management and Pacific Giant Salamander Populations, and the

Response of Larval Stream Amphibian to Predators under Differing Sediment Levels”

Claire Phillips, PhD in Forest Science
“Distinguishing Biological and Physical Controls on Soil Respiration”

Derek W. Thompson, PhD in Wood Science
“Intentions of US Forestland Owners to Participate in Emerging Carbon Markets, a Behavioral Modeling Approach”

Harold Zald, PhD in Forest Science
“Patterns of Tree Establishment and Vegetation Composition in Relation to Climate and Topography of a Subalpine Meadow Landscape, Jefferson Park, Oregon, USA”

David Barnard, MS in Forest Science
“Stem Sapwood Water Transport and Storage Strategies in Three Conifers from Contrasting Climates”

Caitlin Bell, MS in Forest Resources
“Encounter Norms at Molokini, Hawaii: Methodological and Managerial Applications”

Laura Slugolecki, MS in Forest Resources
“A Characterization of Seasonal Pools in Central Oregon’s High Desert”

Michael Conrad Gaedeke, MF in Forest Engineering
“Time Scale Effects in the Calibration Period for a Paired Watershed Study: Little Creek, California.”

Scott I. Goodall, MS in Wood Science
“Optimizing the Performance of Gypsum Wall Board in Wood Frame Shear Walls”

Kai Gu, MS in Wood Science
“Evaluation of New Formaldehyde-free, Soy Flour-based Wood Adhesives for Making Particleboard”

Christopher Little, MS in Forest Resources
“Voluntary Environmental Programs at an Alpine Ski Area: Influence of Recreationists’ Knowledge, Motivations, Attachment, Value Orientations, and Specialization”

Garrett Meigs, MS in Forest Science
“Carbon Dynamics following Landscape Fire: Influence of Burn Severity, Climate, and Stand History in the Metolius Watershed, Oregon”

Trent Seager, MS in Forest Resources
“Quaking Aspen Persistence in Oregon –The Effects of Herbivory, Conifer Encroachment, and Coarse Woody Debris”

Matamyo Simwanda, MS in Forest Engineering
“Monitoring GPS Accuracy for Vehicle Tracking Under Different Forest Canopy Conditions and Modeling Biomass Transport on Single Lane Forest Roads to Improve Forest Biomass Transportation”

Gabrielle Snider, MS in Forest Resources/Forest Science
“Aboveground Vegetation and Viable Seed Bank of a Dry Mixed-Conifer Forest in a Wildland-Urban Interface: Implications of Seed Bank Layer, Herbicide Treatment and Distance to Road on Forest Restoration”

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Investing in Our Future

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Triad Machinery Inc.

Tuktawa Foundation

Warrenton Fiber Company Inc.

Weyerhaeuser Company

Richard C. Wininger, '79

Wollenberg Foundation

Zip-O-Log Mills Inc.

Oregon Cutting Systems

Oregon Zoo Foundation

Verlyne P. & Wayne H. Phillips

Plum Creek Timber Company LP

Plywood Pioneers Association

Phillip Sollins

In Memoriam

Louis H. Blackerby, '39

\$1,000 - \$2,499

Lee Bleston Ayer

Patty White Bedient, '75, & Ronald J. Bedient

Gordon G. Black, '40

Barbara J. Bond, '84

Joan L. & George W. Brown III, '67

Virginia Andrews Burns, '46

Carolyn & Frederick L. Green, '53

Samuel S. Johnson Foundation

Carol C. & Frederick A. Kamke, '84

Joelynn Hicks Keniston, '76, & James A. Keniston, '76

Lumber Pioneers

Pamela A. Matson, '83, & Peter Vitousek

Miller Timber Services Inc.

Patricia Mumford Peterson, '53, & Robert E. Peterson, '50

Carolyn J. Cooper & Marvin R. Pyles, '73

Annette I. & David K. Rinell, '59

Mary Ann Hubbard Rombach, '63, & James L. Rombach, '64

Janine & Hal J. Salwasser

Abigail R. Kimbell, '82, & Edwin A. Stryker, '66

Carol A. Whipple, '70

Thank you!

Every attempt has been made to ensure the accuracy of these lists. However, if you notice an error, please contact Penny Hardesty, Director of Donor Relations, OSU Foundation, Penny.Hardesty@oregonstate.edu or 541-737-1469.

In Memoriam

Reginal R. Engebretson

August 4, 1943 — May 26, 2010

Reginal (Reg) Engebretson died in his sleep at home on May 26, 2010. He was born in Seattle to Ardeth (Gearhart) and Ralph Peterson. He and his sister Gail were later adopted by their stepfather, George Engebretson. After graduating from Mercer Island HS ('61), Reg studied poetry at UW, spent a year in Mexico on a self-designed "study abroad" program, then returned to Seattle and worked in the trades.

He married Patricia Stephenson in 1966 and the couple had two children: daughter, Titian, and son, Che. After their divorce, he lived in California writing poetry. He moved to Bandon, OR, with his second wife, Alice Gilmartin, where they lived for 15 years. After Alice's death in 1987, Reg moved to Moscow, ID.

After suffering a permanent back injury, Reg earned an AA from SWOCC ('81), BS in chemical engineering and forest products from OSU ('84), and MS in forest products ('93) and PhD in analytical chemistry ('95) from Univ. of Idaho. He authored 11 peer-reviewed journal articles, was in the top ten of humic acid researchers, and worked in chemistry departments at Idaho, WSU, Gonzaga, and Rocky Mountain College until retirement in 2008. His interests ranged from paintings to the mysteries of quantum physics; from auto repairs to playing bridge. At the heart of all his activities was a personal quest to understand how systems in whatever guise function.

Reg was preceded in death by his parents, his son Che, his second wife Alice Gilmartin, and his maternal grandparents, Clifford and Grace Gearhart. Survivors include his wife of 13 years, Kathylu Szabo of Moscow; sister Gail (Robert) Okano; daughter, Titian (Keith) Quaglia; daughter-in-law Willow Falcon; three grandchildren; and a great-grandson.

Robert Gene Gourley

October 2, 1940 — July 17, 2010

Robert passed away July 17, 2010, of end-stage kidney disease caused by a rare type of vasculitis known as Wegener's granulomatosis. He was also recently diagnosed with small-cell lung cancer. Robert documented much of his health care story on the website of the Archimedes Movement (www.wecandobetter.org/gourley).

Robert was born October 2, 1940, in Los Angeles, to Doris Margaret and George E. Gourley. His family moved to Salem in 1949. Robert graduated from South Salem High School in 1958, and attended Western Oregon University, then moved to Corvallis, where he lived for more than 50 years.

Robert was a laboratory technician for WSE in the OSU College of Forestry for 38 years. He was a lifetime member and political activist for the Service Employees International Union, Local 503, Oregon Public Employees Union, and a staunch member of the Democratic Party. He was also a frequent contributor to the editorial page of several Oregon newspapers.

According to Leslie Frane, Executive Director of SEIU Local 503, "Robert's contributions to our union, as a member leader at OSU and then as a retiree, have been many, influential and important. ... He was a champion of health care reform, and he was involved in our political program on every possible level—as a phone banker, canvasser, lobbyist, CAPE activist and

relentless letter-to-the-editor writer! He has also been very involved in union governance, a topic that he approached with a passion for making sure that our rules are logically and consistently applied."

Robert is survived by his spouse of 18 years, Debora Low; stepdaughter, Sunny Low; brother and sister-in-law, Thomas and Brooke Gourley; sister, Diane Gourley; and stepchildren, Ira and Ruth Zipperer from a previous marriage.

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Kermit Schott

December 5, 1969 — July 6, 2010

Kermit Schott, 40, of Cumberland Center, passed away unexpectedly at his home on July 6, 2010. Kermit was born in 1969 to Dr. John and Diane Schott of Dublin, NH. He grew up in Fitzwilliam, NH, and attended and graduated from The Fessenden School in Waltham, MA, and Choate Rosemary Hall in Wallingford, CT. He received a BS in Forestry from Univ. Maine-Orono, and an MS in Forest Products from OSU ('95).

While attending OSU, Kermit met his wife, Melinda Brock. Mindy and Kermit were married in Jaffrey, NH in 1994. They moved to Maine where they had their two children, Zoe and Jacob. In 1997, Kermit purchased Red Mill Lumber in Casco. Here, he built a successful business and many loyal friendships.

Kermit's main interest was spending time with his family. He was a devoted father and enjoyed hiking in Acadia and Camden State Park with his wife. His dogs, Bo and Clyde, were always by his side. He enjoyed maple syruping, ice hockey, making apple cider, skiing with his daughter, and teaching 'man lessons' to his son.

Kermit is survived by his wife, Melinda; and children, Zoe and Jacob. Also surviving are his parents, Dr. and Mrs. John Schott; his sister, Jennifer; brother, Jared; many nieces and nephews; his father-in-law, Dr. Stuart Brock; his mother-in-law, Kay Brock, and their families of Kansas City.

Online condolences may be left for the family at <http://halfuneralhomeinc.com>. Donations can be made in honor of Kermit to the Nature Conservancy at <http://my.nature.org/donate/tribute-giving.html>.

Published in Portland Press Herald/Maine Sunday Telegram on July 9, 2010.

Bert Udell

June 2, 1918 — June 17, 2010

Bert Udell, 92, died at his home, leaving behind a legacy of excellence in family forestry and community service. Born to James and Fay (Savage) Udell in Portland, OR, Bert spent his early years in Burlington, VT before graduating from Scappoose High School at age 16. After two years of working in the forest industry, Bert moved to Corvallis in 1936 to study logging engineering at Oregon State College.

After graduation ('40), Bert began working at the Lebanon Plywood Mill by staking and laying out the log pond until he found work as a surveyor and then as a professional forester. These positions lead to his election as a fellow in the Society of American Foresters. Over his career, he served on many boards and committees, representing well the private forest owner and professional forester.

In 1941, Bert married Violet Elizabeth "Betty"

Winniford, and they were married for 69 years. In 1946, the couple formed their own logging engineering consulting and land surveying firm. Their Happy Valley Tree Farm near Lebanon received Oregon's first national tree farm award in 1982 directly from President Reagan. For 26 years, Bert and his family hosted the annual Tree Day educational program on their property where the tree farm continues to serve the community hosting outdoor schools, Boy and Girl Scout camps, 4-H activities, and educational tours.

Bert received many awards over the years and continued to show his opinion on important issues such as fair taxation for family forest owners and the importance of thinning forests. He helped found the Third Force for Forestry, a program designed to provide an educational forum for the public about forest issues. Bert was a lifelong learner, volunteering countless hours to help OSU Extension Forestry and other organizations educate people about the forest.

Bert is survived by his wife Betty; three children, Fay and husband Sherm Sallee, Jim and wife Linda Udell, and Janet Udell; seven grandchildren; 14 great-grandchildren; and one great-great-grandchild.

Contributions in his memory may be made to the OSU Extension – Linn and Benton Counties via the OSU Foundation, 850 SW 35th St., Corvallis, OR 97333 (541-737-4218).

Jack Wanek

November 6, 1922 — November 30, 2009

Jack Wanek passed away peacefully at his Salem home on November 30, 2009. He was born in Tacoma to Frank R. Wanek and Mary L. (Griswold) Wanek. He was the second of three children; he had a brother Frank, and a sister Doris.

He moved to northern California, where he attended school and spent summers with his uncles herding goats. Jack graduated from Yuba City High School ('40) and earned an associate's degree from Yuba County Junior College ('42).

He enlisted in the US Navy officer candidate school as a USMC Aviation Cadet and was commissioned into the Marines as a Second Lieutenant. He completed his combat flight training in 1943, and flew strike missions from Bougainville (Northern Solomon) Island and Green Islands during 1944. When the war ended he was stationed at Midway Island.

He married Thelma Wilson of Yuba City in September 1948. The couple moved to Corvallis, where Jack enrolled in the School of Forestry at OSU, graduating in 1951 (BS, FM). Jack and Thelma were married for 60 years until Thelma's passing in December 2007.

Jack began his career with Oregon State Forestry in 1951, serving 35 years as the state's tree improvement coordinator. He helped establish the J.E. Schroeder Seed Orchard in St. Paul, OR, and he worked on the reforestation of the Tillamook burn area of Oregon's coast range and other areas throughout Oregon.

Jack retired in 1985 and enjoyed traveling the western United States in his RV with his wife Thelma, spending time with friends and family. He was an avid outdoorsman.

Survivors include: Doris Cahill of Lake Port, California. His children; Ellen Caron and Mark Wanek; Judy Kowalski; Ron Wanek; Mary Kay Vandiver; and their respective spouses, eleven grandchildren, and one great-grandchild.