

Department of

Fisheries & Wildlife

Oregon State News & Views

2012-2013

Message from the Department Head: Big Changes

As 2013 comes to a close, my thoughts run to all the changes we have experienced recently and the changes we face in the near future. First and foremost Bob Anthony's untimely death on 21 December shocked us all. There is much that I could write about Bob--he was a giant in the wildlife profession of course, which is how most of us knew him. His many professional activities and accomplishments will be recounted elsewhere. I would just like to mention two other qualities that made Bob a dear friend and such a great help to me personally. No matter how tough things were, you could always count on Bob to offer a joke or a funny twist on the situation that never failed to help me refocus on the positive. The other quality was Bob's ability or willingness to call BS when he heard it. It was one of the things that made Bob such a strong advocate for wildlife resources, but it was also very helpful to me in my job. When he thought I was screwing up, he never failed to let me know and then offer several facts or viewpoints that I had not considered. These two qualities were the reason I frequently found myself in Bob's office when I had a difficult or important decision to make. Usually, he reaffirmed my decision, but on occasion I changed direction after talking to Bob. I suspect he did that for many of us. So, thanks Bob for the laughs and the compass.

The other big change that we have recently experienced was Stan Gregory's retirement on 1 December. Stan also had a remarkable career spanning 32 years at OSU, resulting in very broad impacts for natural resources in the state and the many students

that took any of Stan's classes. Again, his accomplishments will be detailed elsewhere. Stan, like Bob, offers advice and humor; you never know which you will get and they are frequently combined! As Department Head I have always loved winter and spring terms--those were the terms that Stan taught. During those terms, Stan was always in his office early; the coffee was already made, and I frequently drank two cups in his office before getting back to mine. Stan never fails to make me laugh (trying to avoid past tense here)--I spit coffee on his office floor more than once as he caused me to laugh after taking a big gulp.

Stan also has the ability to offer unique perspectives on an issue and he is able to tell me and others so nicely that they screwed up. So, winter and spring terms, I am in my office by 9:00, at least two cups down, grinning like a mad man, but knowing just where I am going. Both Bob and Stan were recognized by the college as Distinguished Faculty.

(Continues on p. 2)

Inside	Page
Update on E-Campus	2
Tribute to Dr. James Hall	3
Feature Articles	4
From the Mailbag	6
From the Undergrads	7
Meet the New Faculty	8
Distinguished Graduates	11
Stan Gregory Retires	10
FWGSA	13
Donors	14
Scholarships	16
Faculty Kudos	19
Obituaries	21

(Continued from p. 1)

Their advice and counsel resulted in many changes in the department over the years. In honor of both Bob and Stan, the department will establish scholarships in their name. Please consider giving in memory of Bob Anthony or to the Stan Gregory Scholarship in Stream Ecology (see p. 7).

So what else is changing? OSU is embarking on version 3.0 of its strategic plan and the college is re-envisioning its strategic intent. We are all having so much fun planning that we thought the department should do the same. Our current strategic plan is seven years old, and much has changed since we began implementing it. Since we wrote our last strategic plan we have begun our online degree programs and have begun offering graduate certificates and our Professional Science Masters in Fisheries and Wildlife Administration. As of fall term, our undergraduate enrollment has tripled since our last plan, making us the 10th largest undergraduate program at OSU. Our graduate student numbers have increased by 70%, not counting the certificates. At the same time, our grant and contract portfolio has increased by 78% to over \$10 million last fiscal year. Our department budget has more than doubled and it was becoming more than I could keep up with. So last July, I added to Selina Heppell's workload by assigning her as our Associate Department Head for Academic Programs. So, clearly, we need a new plan to reposition the department. I will let you know what we come up with. Dan Edge

Lenora Bond at 93

Lenora Bond is doing reasonably well in her apartment at the Stoneybrook Assisted Living complex in Corvallis. She wishes that she could acknowledge individually the greetings that she has received, but as that is not possible, she wants to use the Newsletter to express her appreciation and thanks to all who have written to her. Greetings can be sent in care of her daughter, Nancy Bond Hemming, 4737 NW Elmwood Drive, Corvallis 97330 or email at: nbhemming@comcast.net

News and Views is a newsletter published (usually) annually by the Department of Fisheries and Wildlife at Oregon State University.

Editor—Jim Hall (for the last time— Now it is Hiram Li's turn)

Comments, letters and suggestions are welcome and should be addressed to: Editor, *News and Views*, Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR 97331-3803 or Hiram.Li@oregonstate.edu

E-Campus Programs Update

Since the Fisheries and Wildlife Department first began offering its bachelor's degree fully online in 2009, enrollment numbers have skyrocketed. That year there were 262 undergraduate majors in the department (206 Corvallis campus and 56 online through Ecampus). By October 2013, there were a total of 909 FW undergraduate students who were eligible to register for classes (450 Corvallis and 459 Ecampus) but only 616 of them actually registered for that term (345 Corvallis and 271 Ecampus). Over the past 47 weeks since September 2013, there have been 146 new Ecampus students; equating to approximately 3.1 new students per week. Looking ahead to Fall Term 2014, for the first time in years enrollment numbers have slowed slightly for both campuses, providing a welcomed opportunity for the advising team to regroup, as well as potential relief for overburdened FW classes on the Corvallis campus.

Part of the challenge that the online program faces is understanding why students stop-out from the program and trying to predict when/if they will continue. Many of the students who are pursuing the degree online have families and work part or full-time and some are also active duty military. Some students have notified us that they stop-out of the program for short periods of time due to health, family, and job reasons (including military deployment), while others need to stop-out to take the biology series at a local institution before being able to continue with their degree program online through OSU. On the other hand, some students have told us that they have discontinued the degree program for various reasons including finances, family obligations, changed majors, or are unsuccessful with the online format.

While the enrollment numbers have grown, the work load on the advising team has grown hand-in-hand with it, catalyzing some personnel changes and additions. In 2012, Rebecca Goggans, the Internship Coordinator, moved to work exclusively with the Ecampus students in a three-quarter time academic advising and internship coordination position. Danielle Jarkowsky, one of the Ecampus academic advisors in the FW department, was hired as the new Internship Coordinator for the Corvallis campus students. The department hired two new advisors (Charlotte Goddard and Liz Kelly), one to fill Danielle's vacant Ecampus academic advisor position and a new third position to cover enrollment increases. Soon after, the department also hired Leighann Auer, who had been staffing the front desk, as the new academic advising support specialist. After a year, Charlotte Goddard took a new position at Linfield College and Susie Dunham was hired as her replacement in June 2013.

Despite the growth challenges, the academic advising team has continued to work on enriching the experience of FW students in the online program by helping them feel connected both to the department and the university through newsletters, online connect events, a Blackboard organization, and by personalized quarterly academic advising and support. As of Spring Term 2014, 44 students have graduated from the FW major online.

(Continues on p. 3)

Since most of the online students are pursing the degree at a slower rate than their Corvallis campus cohorts due to work, family, and other obligations, the FW Department anticipates a steady increase in graduation numbers as more of the parttime students reach degree completion. Even with more graduating students, the enrollment number projection is still on the incline and therefore the advising team will continue to work on creative and innovative solutions to maintain quality support with the increasing demand.

Tribute to Dr. James Hall by Rachel Crowhurst

As many of you know, this is the last issue of the Fisheries and Wildlife *News and Views* that will be edited by Dr. James Hall. Upon learning this, I volunteered to write a tribute to Jim to highlight his career and some of the contributions he's made to the department. A humble man, formidable editor, and good friend, Jim has restricted me to 1000 words, but rest assured volumes could be written about his accomplishments.

Born in Columbus, Ohio in 1933 (which he himself admits was "before we knew about plate tectonics"). Jim was destined for a career in the natural sciences. At an early age (3) he learned to identify birds by sight and vocalizations, and spent summers near Mount Lassen, CA, shadowing his forest entomologist father. After high school he worked for the California Fish and Game Department and the Fish and Wildlife Service in Anchorage, AK, then completed his A.B., majoring in Wildlife Conservation at the University of California - Berkeley, under Starker Leopold. During this time he met Bonnie, and they married in 1955. After a 2-year term as an Assistant Supply Officer on the USS ALGOL, he went on to obtain both an M.S and Ph.D. in Fisheries from the University of Michigan, Ann Arbor. Jim's doctoral research focused on movements of chestnut lamprey in Michigan. He trapped and marked approximately 2,000 fish, which were at that time thought to move very little (<1/4 mile) throughout their lifetimes. With over 2,800 recaptures Jim proved that they do in fact travel, trapping them as far as 12 miles upstream and 24 miles downstream from the site of initial capture. He and Bonnie welcomed two daughters during his years as a graduate student.

In 1962, at the national conference of the American Fisheries Society, Jim gave a paper that would have a profound impact on the course of his life. In the audience was Don Chapman, coordinator for the Alsea Watershed Study and a staff member at Oregon State University. When, in 1963, Chapman

vacated his post, he remembered Jim's talk and thought that Jim would be the ideal candidate to replace him. In 1963, Jim left his position as a research instructor at the University of Washington and moved to Corvallis.

Over the next fifty years, Jim achieved full professorship, mentored 36 graduate students, and served as the vice-president of the Oregon Chapter of AFS, National Program Chair for AFS at the annual meeting in 1973, and the vice-chair and chair of the Aquatic Ecology section of the ESA. He volunteered on the editorial board of Conservation Biology, and as a reviewer for Ecology and Transactions of the American Fisheries Society, among others. He served as the Research Coordinator for the Alsea Watershed Study from 1963-1973, and the data his team collected were used in the design of the Forest Practice Act, which emphasizes the protection of water and soil during logging. In 1968 his expertise landed him the role of "Stream Program Research Coordinator" in the Coniferous Forest Biome study (part of the International Biological Program, an interdisciplinary NSF-funded project). This study took place within the H.J. Andrews Experimental Forest and cemented its utility as a field site for graduate students. He brought together scientists from several OSU departments to create a multidisciplinary group that came to be known as the "Stream Team." The group's weekly meetings to discuss research proposals and solicit collaborations were the precursor to the department's famous Monday Morning Stream Team meetings, which continue to this day.

Jim was awarded numerous honors for his contributions, including the Dar Reese Excellence in Advising Award from OSU, the national AFS Award for Excellence in Fisheries Education, and the Award of Excellence from the western division of the AFS. He took sabbaticals to British Columbia, New Zealand, and Scotland to interact with other fisheries professionals. Jim has been a Professor Emeritus since 1992, and has edited the FWL newsletter since assuming it from Dan Edge in 2001. He will be succeeded at this post by Hiram Li.

When asked what his favorite part of writing the newsletter is, Jim mentioned the list of distinguished graduates, an accolade that he created in 1995. He also enjoyed the festivities surrounding the department's 50th and 75th anniversaries, and the opportunity to reconnect with friends and colleagues. He mentions many changes that have occurred over his tenure, including a paradigm shift in his mind and in those of his colleagues. He admits that when he first started, he believed that women had no place in this field.

Since then, having been surrounded by many capable and intelligent women, (Continues on p. 4)

he recognizes the need for a broader pool of scientists. Last year he endowed the Jim and Bonnie Hall scholarship to promote diversity; his first recipient was a promising young woman named Karla Garcia. However, he insists that his greatest moments have come from seeing his own students succeed and become prominent researchers and teachers themselves.

Dan Edge lauded Jim's role as the departmental historian, always able to provide "context and history when faculty members consider reinventing the wheel." He is renowned as a challenging editor.

Hiram Li states that although Jim's revisions frustrated many a student, they all left his mentorship with a "clarity and economy of thought" that was "a gift." As his graduate students became mentors themselves his dedication to coherent prose was passed down, and as Hiram Li praises, "the legacy continues for the betterment of language, logic, and our profession in particular."

Although he made a great impression during his years as a faculty member at OSU, Jim's successes do not lie solely in the academic arena. He and Bonnie were married for almost half a century, until she passed away in 2004. A dedicated family man, Jim regularly visits his two daughters and three grandchildren in Seattle. He is highly regarded as a gentleman and although his humility made it difficult to gain information to write this piece, I easily found others willing to extol his contributions.

I asked Jim about his plans now that he's no longer hard at work in the newsroom, and his answer surprised me: "to finish up and publish my Ph.D. research." With the help of Dr. Katie Dugger and her expertise with Program MARK, Jim plans to reanalyze his lamprey data and finally disseminate it to the world.

Please join me in wishing Jim a restful retirement from reporting, and success with his long-awaited manuscript. We also welcome Hiram Li to the role of *News and Views* editor—good luck, you have a big red vest to fill!

And finally, a short anecdote from Bruce Coblentz that I think captures 'the essence' of Jim: "I can relate a funny story that's still pretty funny today when I think about it. Back in the late 70's and early 80's, when Ralph Miller was still the basketball coach and we had great teams that were nationally ranked, many faculty bought season tickets and attended games. Jim Hall (and Bonnie) had tickets and sat with all the rowdy faculty in the bleachers under the east basket at Gill. When really bad calls were made, it wasn't unusual for faculty members to stand and yell unflattering things at the refs, including all manner of expletives. Now Jim Hall is a particularly polite and mild mannered gen-

That was as nasty as it got. That is Jim Hall."

Feature Articles

Speeding Up Science (From Facebook)

So little time. So many fish waiting for a name. Brian Sidlauskas was in Guyana charting the biodiversity of the distressed Cuyuni River. During a two-week trip, he discovered many species. But to obtain a permit to export these unusual fish, he needed to provide the Guvanan authorities with a name for every specimen, many of which were unknown to him and his student assistant. That meant work. Scales on the lateral line, rays in the dorsal fin, and rows of teeth – all needed to be counted in order to come up with an identification for each of 5,000 fish. The length and color patterns of each fish had to be examined, compared with known species, and classified. Thanks to the broadcast power of social networks, Brian did not have to do this all on his own. Instead, he turned to Facebook. He posted photographs of each fish and asked his friends on Facebook, who happen to be the world's community of ichthyologists, to help. They identified the majority of the fish in less than 24 hours. "In terms of speed and efficiency, this was an order of magnitude faster than I could have done on my own," Brian said later in a short video about this story. "This virtual meeting of the minds is really speeding up how we do science." To watch the video, go to: http://www.youtube.com/watch? feature=player embedded&v=8hhXZwLFfao.

Distinguished Grad Stacia Sower Recognized by NSF

Professor of biochemistry Stacia Sower has received a prestigious accomplishment-based renewal grant from the National Science Foundation. The grant, of \$750,000 during five years, will support Sower's ongoing investigation into the reproductive hormones in the sea lamprey, one of the oldest lineages of vertebrates in the world. Accomplishment-Based Renewal (ABR) grants are among the NSF's most competitive; of the 11,524 grants from the NSF in 2012 only 30 were ABR grants.

With the grant, Sower, who directs University of New Hampshire's Center for Molecular and Comparative Endocrinology, will investigate the unique brain and (Continues on p. 5)

pituitary glycoprotein hormones and receptors that regulate reproduction and metabolism in the sea lamprey. In existence millions of years before the age of dinosaurs, lampreys are studied as a model organism for the clues their brains and neuroendocrine systems hold to our earliest vertebrate ancestors.

Sower, who has been on the UNH faculty for three decades and is a member of the Department of Molecular, Cellular and Biomedical Sciences within the College of Life Sciences and Agriculture, has received continuous NSF support since 1986. She has published more than 170 journal articles and was a contributor to the recent sequencing of the sea lamprev genome, published in the journal Nature Genetics. This summer, she delivered the opening plenary talk at the International Congress of Comparative Endocrinology. Earlier this year, Sower was named a fellow of the American Association for the Advancement of Science. Mentoring and developing scientists has long been a focus of her career; in her lab at UNH she has trained 31 Ph.D. and M.S. graduate students, 71 undergraduates in projects and honors theses, and 11 postdoctoral fellow advisees.

Riverby Award Judges Confer Honorable Mention for 2013

The John Burroughs Association is pleased to announce the Riverby Award judges have conferred an unprecedented Honorable Mention Commendation at their April 7th Literary Awards Ceremony. The book selected for Honorable Mention is: Ellie's Log: Exploring the Forest Where the Great Tree Fell, Judith L. Li, author, Peg Herring, illustrator, 2013, Oregon University Press. The John Burroughs Riverby Award is the only one of its kind, and for almost thirty years has honored John Burroughs by recognizing excellence in non-fiction, natural history writing for children. In an unprecedented move, the jury was so impressed by a work of fiction that so clearly embodies all of the principles of excellent natural history writing exemplified by John Burroughs that they decided a commendation was in order

The books receiving the Riverby Award and the book selected for Honorable Mention were announced on April 7 at the American Museum of Natural History at an awards ceremony for authors, illustrators, and publishers, AMNH staff, Burroughs Association members and their guests. [Judy and Hiram were pleased to be present].

The John Burroughs Association brings to life the legacy, writing, and natural world of John Burroughs, one of the nation's first literary naturalists by making his historic property "Slabsides" and surrounding land with hiking trails available to the public, and by recognizing distinguished nature writ-

ing. The Association encourages writing in the tradition of John Burroughs, through its annual literary awards; the John Burroughs Medal, the John Burroughs Essay Award, and the Riverby Award for nature books for young readers.

Jim Yoakum, a Personal Reflection by Jim Hall

Many years ago (60, to be exact), between my sophomore and junior years at Berkeley, I spent an interesting and challenging summer as a seasonal worker for the USFWS in Anchorage. We student workers were a compatible group and turned out reasonably well. We all lived in a Quonset hut at Lake Hood. Jim Yoakum was one, and he and I hit it off pretty well, in spite of 7 years difference in our ages. Others you may have heard about were George Schaller (*The Year of the Gorilla, The Serengeti Lion*, and on and on), Bob McVey (Regional Director for NMFS in Juneau), Dave Klein (Leader, Alaska Cooperative Wildlife Unit, Fairbanks), and Allan Courtright (Director of Game Division for ADF&G).

At the time, Yoakum had just graduated from Humboldt State and would head to Corvallis in the fall to do an M.S. with Art Einarson, which he completed in 1957, on his way to becoming a national leader in pronghorn management, research, and conservation. When I got out of the Navy that spring. Bonnie and I stopped in Corvallis to visit on the way to grad school in Ann Arbor. As I recall, Jim was living in fairly primitive conditions at the South Farm, but he was a gracious host. I still have two of his classic photos of pronghorn fawns in my office, a gift from that visit. We corresponded at Christmas, and I saw him a few times. I was saddened to learn of his death in November 2012, at age 86. His magnum opus, a compilation of 30 years of research published in 2004, with co-editor Bart W. O'Gara, is titled Pronghorn, Ecology and Management. The 903 page book reflects the dedicated work of many researchers. Yoakum focused on pronghorn habitat needs and food habits, a focus in line with his love of the outdoors. Yoakum and O'Gara were the winners of The Wildlife Society's Outstanding Editorship Award for 2005. The Western Section of TWS now awards a James D. Yoakum Award, which recognizes individuals who have provided outstanding, longterm service, support, and commitment to the Section. To see a page of reflections on Jim, go to:

http://wildlifeprofessional.org/western/memorial_view.php

From the Mailbag (and other sources)

Elena Pribyl Ph.D. 2010 made a splash, and an entry in the American Institute of Fishery Research Biologist's Newsletter, when she recruited Ray Troll to help with a video about barotrauma in rockfishes, the subject of her dissertation. To see this clever educational item, see:

http://caseagrantnews.org/2013/02/14/sink-and-swim -video-teaches-anglers-how-to-recompress-rockfishes/

She's currently having a grand adventure: "My husband and I have taken a year off from work and are currently sailing our boat towards Australia; right now we are in Puerto Vallarta, Mexico (we leave in about 3-4 weeks for French Polynesia)." We wish you smooth sailing and following winds. (Friends can follow the journey at www.greenpanther.org, as well as send messages at the website. Check it out—it's pretty amazing!)

Heard indirectly (via OSU Foundation) from **Lois Alexander (now Merkler) '90, M.S. '94.**

"What have I been doing since leaving OSU? I moved to UNLV for a PhD in Biological Sciences (finished in 2004). I was hired there as a Visiting Assistant Professor and taught a variety of biology courses until the fall of 2008. In the fall of 2008 I was hired by the College of Southern Nevada as an Emergency Hire to cover a variety of biology courses. In the fall of 2010 I was hired as a Tenure Track faculty member. I have (just this week) received the letter from the Nevada System of Higher Education Board of Regents that I have been approved for tenure (effective this upcoming July 1). I spend much of my summers participating in small mammal research throughout the Great Basin of Nevada and Utah. In addition I am also helping the California Academy of Sciences with a small mammal project in the Sheep Mountains of Nevada."

Melissa Ocana M.S. 2011 is Asst. to the Climate Change Policy Advisor at US Fish and Wildlife Service, in the Washington D.C. Metro Area. □"I am currently a STEM Policy Fellow through the Congressional Hispanic Caucus Institute, which includes two work placements. I am particularly interested in climate change mitigation, how to promote the adaptive capacity of species and ecosystems in light of climate change impacts, and how science is translated and communicated to policy-makers and non-scientific audiences. Last year, I finished up my graduate degree in wildlife science. I love studying wildlife conservation and ecology. Sea turtles were

an interesting group to study, in part because their conservation necessitates both international and local cooperation."

Seen in the local paper: Gary Chapman B.S.'59, M.S.'65, Ph.D.'69 has been featured more than once for his role as President of the Corvallis-to -the-Sea (C2C) Trail Partnership. The group was formed about 10 years ago to continue work on a concept that began in 1974: a route for hikers and bicyclists from Corvallis that would largely avoid roads. Gary has made the backpack (5 days, 4 nights) several times. The group is currently mired in a Forest Service requirement for a costly Special Use Permit that has made their goal seem a long way off. Good luck with this, Gary.

Dan Rosenberg M.S.'91, Ph.D.'95 sent this along from Anak Pattanavibool M.S.'98: Hi Dan,

I'm sorry to not writing you earlier. My student, Aig-on or Na, has mentioned about meeting you while she was there with Dan Edge for a short-term visiting exchange in OSU last year. Thank you so much for helping taking care of her while she was there.

This time I cannot hold back the surprise moment. I went to a workshop in DC during June 29 -July 5. I was asked to give presentation at the USFWS HQs. You know what! I ran into Agent Keith Swindle M.S.'98. His office was there. We had a good chat and he was there sitting and listening to my talk. I was giving a presentation about the tiger and elephant conservation projects supported by USFWS in Thailand. He looks happy... after 20 years of not seeing him. So I feel very good to see him again. Too bad that I was too busy and did not have time to hang out with him after that. But we had a good chat about some good moments we had during our tenant time in your house.

For myself I'm now a Faculty member at Department of Conservation, Kasestsart University. However, the Wildlife Conservation Society still would like me to take care of WCS Thailand. I was a full-time country program director for WCS Thailand for 9 years. However, I was thinking it is about time for me to start getting serious training young generations using all experience I have earned from Dan Edge, OSU, a good friend like you. That's why I have started my job as a faculty member focusing on conservation.

Cheers,

Anak Pattanavibool PhD, Acting Country Director, Wildlife Conservation Society, Thailand Program.

Four New Scholarships Established

The Department has established two new scholarships, one in memory of Bob Anthony and one in honor of Stan Gregory's long career: The Stan Gregory Stream Team Scholarship Fund and the Bob Anthony Memorial Scholarship. In addition, the National Fish and Wildlife Foundation established the James R. Sedell Fish and Forests Scholarship Fund in memory of Jim. Linda Ashkenas and Jeff Rodgers have endowed the David J. Ashkenas Memorial Fellowship in memory of Linda's brother. This fellowship will support a Fisheries and Wildlife graduate student who wishes to study abroad or a Fisheries and Wildlife student from abroad who wishes to come to OSU. Those wishing to donate to these scholarship funds should send a check payable to the OSU Foundation, indicating on the memo line of the check the name of the Scholarship Fund.

The address of the Foundation is: 850 SW 35th St. Corvallis, Oregon 97333

From the Undergrads

Greetings from the joint student subunit of the Oregon Chapter of the American Fisheries Society and the Oregon Chapter of The Wildlife Society! These past twelve months have been exciting for our organization as we transitioned from the Fish and Wildlife Club to the joint student chapters of ORAFS and ORTWS. Since our club makeover we've made several important updates. Professional development and skill building have become an important focus of our group activities, and we've also created a brand new set of bylaws to guide our functioning within ORAFS, ORTWS, and Oregon State University. Our hard work and commitment to learning outcomes also earned us the award for 2012 College of Agriculture Student Club of the year!

We celebrated the end of winter quarter 2012 with a spring break trip to Death Valley National Park and Ash Meadows National Wildlife refuge. Our students spent a week in the desert learning about various desert ecosystems and assisting researchers in field sampling and habitat restoration. We toured Devils Hole and observed the endangered Devils Hole Pupfish, assisted in stream invertebrate sampling in Ash Meadows, and aided in the restoration efforts of wetland habitat, also in Ash Meadows.

As spring term started we began a series of professional development workshops. Students had the opportunity to learn tree climbing from an expert, Dr. Eric Forsman. This two-day workshop was quickly followed by the Five in One weekend work-

shop at the Oregon Hatchery Research Center. The Five in One workshop gives students the opportunity to learn five valuable field skills in one weekend, while also contributing to the Oregon Hatchery Research center through volunteer activities. Finally, our students had a chance to brush up on their CPR and First Aid skills when the student chapters hosted a weekend course for students to earn their CPR/First Aid certifications, just in time for the summer field season. Professional development was not the only focus of our spring calendar, and the student chapters hosted several speakers at our bi-weekly meetings as well as participating in the Oregon State University College of Agriculture Ag Days event.

This fall and winter our students have had excellent opportunities to develop their professional networks and gain valuable skills. In cooperation with Greenbelt Land Trust and Marys River Watershed Council the subunit has hosted a series of prairie restoration projects. Our students worked alongside community members to restore native butterfly habitat in the Willamette Valley. Our ORAFS student subunit liaison also had the honor of attending the Western Division AFS Student Colloquium. Hosted by the University of Arizona Student Subunit; it was an excellent opportunity to network with students from other chapters and learn about desert fish research and management.

We've organized a series of workshops this past year to support the professional and academic success of our members. In the fall we hosted a "So you want to go to grad school" workshop. Organized in cooperation with Dr. Brian Sidlauskas and Drs. Selina and Scott Heppell, this panel discussion allowed professors and current graduate students to discuss how to find graduate programs, tips for writing application letters, and sources of funding.

We are about to head out on our annual spring break trip and once again we're headed for the sunny southwest! This year we'll visit Bryce Canyon, meet with park wildlife biologist learn about Utah Prairie Dog and other park wildlife issues. We'll also take a guided hike with the park biologist. In Zion National Park, we'll meeting with the park biologist, talk about current management issues, and possibly visit a peregrine falcon nesting site.

We anticipate many valuable opportunities for students to develop their professional skill set, and look forward to more time spent expanding our experience and deepening our knowledge of the fields of fisheries and wildlife management and science!

Meet the New Faculty Jim Peterson

I grew up on the south side of Chicago (the "Eastside" for those familiar with the area), exploring the wilds of Wolf Lake and Cook County Forest Preserve lands. These green islands in the middle of the concrete jungle were my wilderness, and I dreamed of the days when I could explore the great outdoors I envisioned while reading *Outdoor* Life and Sports Afield. At the time my family and friends didn't know anv-

one in the natural resources related fields, so I never considered a profession in fisheries and wildlife. Who knows, maybe I could have been the Rancid Crabtree of Cook County. Fortunately, my parents were firm believers in getting a good education so I was encouraged to go to college and get a 'useful' degree, like engineering. I liked biology and was good at numbers, so I thought "genetic engineering." Thus began my journey.

Thinking back it was a series of small but significant events and the good fortune of encountering and being mentored by some fantastic and supportive people that led me here. After high school, I enrolled in the University of Illinois as a major in Genetics and Development. For the next 3 years, I completed the necessary coursework (not really loving it) and almost completed the degree—then it happened. A good friend told me about his girlfriend running a check station during deer hunting season. She told me that the 'deer checkers' were volunteers and that the Illinois DOC was looking for more volunteers who didn't have to be ecology majors! I volunteered and met folks from the Illinois Natural History Survey (INHS). They were doing some really neat stuff and I didn't even know they existed. I was hooked, quickly changed majors to Ecology, Ethology and Evolution, and immediately enrolled in an internship with the INHS. I had the good fortune of being assigned to R.W. "Larry" Larimore-- a pioneer in fisheries and stream ecology-- and his graduate student Tom Kwak (now Coop Unit leader at NC State). Both were unbelievably supportive and



allowed me to do things that I never dreamed of (I even mapped and electrofished Wolf Lake!). They also encouraged me to continue my studies and Tom even went so far as to recommend me to a funny talking INHS scientist, Peter Bayley.

As part of my master's research, I studied the colonization dynamics of stream fishes and completed my degree under the guidance of Dr. Bayley. I remained with the INHS as a research biologist for several years under the tutelage of Peter and Lew Osborne. At the

time, I was out in the field 4 days a week leading field crews, sampling fish, measuring habitat, etc. as part of several stream studies throughout the state. (For those of you who know me now—yes I was a field grunt and a good one too!) I really thought it was the perfect life, but working with Peter and Lew I began to think, "That's what I want to do!" Both scientists were exceptionally supportive mentors and encouraged me to pursue a Ph.D. After several unsuccessful tries to find a suitable program, I began to apply for biologists positions with several state and federal agencies. Lew, however, would hear none of it. He lobbied for me with his colleagues and eventually arranged an interview with Charlie Rabeni at the University of Missouri for a Ph.D. assistantship. Lew joked that he would deep-six Charlie's research proposals if he didn't take me on as a student. Fortunately, Charlie took me on to study stream fishes in the Ozark Highlands as part of a global climate change project.

One of the valuable things I learned working with Peter was that numbers (data) had meaning and the better you were at analyzing data the more you could learn. I wanted to learn how to do that, so I initially started my degree work at Mizzou with the intention of completing a MS in statistics along with a PhD in fisheries.

A few years and two family tragedies later, I was ready to pull the plug on my studies. Through it all, Charlie encouraged me to continue and supported me through difficult times. I suspect that if it weren't for his guidance, I would never (Continues on p. 9)

(Continued from p6 Peterson)

have completed my Ph.D. degree.

After graduating from Mizzou, I obtained my first real job (a post-doc) with the US Forest Service, Rocky Mountain Research Station in Boise. This was the first time I had lived outside of the Midwest and I loved it. I had the good fortune of working with some of the top scientists as part of PATH and the Interior Columbia River Basin Ecosystem Management Project (ICBEMP), including several current and former members of the OSU Fisheries and Wildlife faculty. This was truly one of the most formative times in my career. Working with my then supervisor Danny Lee I learned about the decision sciences, a field I would soon become immersed in, and I participated in large-scale multidisciplinary research. I had found my calling. Danny and my other supervisor, Bruce Rieman, were a postdoc's dream. They provided me with access to some very smart people with novel interesting ideas and equally important, with the time to learn a great deal. They are the inspiration for how I try to treat my charges now. Alas all good things must end, so as these projects were winding down I finally obtained a permanent position as the Assistant Unit Leader at the Georgia Cooperative Research Unit, University of Georgia.

During my tenure at UGA I developed and taught graduate classes and studied stream fish and mussels in the Blue Ridge and Coastal Plain, with occasional detours into wading bird and sea otter studies. I had the opportunity to work with some excellent scientists on large, interdisciplinary studies evaluating environmental flows and the effects of climate change on stream ecosystems throughout the Southeast, I also made the most important discovery of my life, my lovely wife Rebecca, a misplaced Buffalonian. She too is a fisheries biologist who was then working with Cecil Jennings (GA Coop Unit Leader). As misplaced northerners, we were glad to find that a Coop Unit position opened here at OSU and I enthusiastically applied to the position. The rest, as they say, is history. That was more than a couple of years ago and since then, I've created a couple of courses for OSU e-campus on structured decision making and adaptive management and two other graduate-level courses on decision analysis and R statistical software. I also recently published a book titled, "Decision Making in Natural Resource Management: a structured adaptive approach" with my good friend and colleague Mike Conroy at UGA (available in hardcover, paperback, and as an ebook...).

Rebecca and I are thrilled to be part of OSU and the greater Corvallis community. It is an honor to be working in such a dynamic and storied depart-

ment. Rebecca and I also thank all of you for making us feel welcome and valued. I hope that I will be able to contribute to the Department and its outstanding reputation as a leader in fish and wildlife education and science.

Katie Dugger



Katie with the penguins.

My story is probably pretty typical in that the road to where I am today included lots of twists and turns, with several surprises along the way. For me the key was to be open to opportunities and to take those opportunities when they came along. I will say that the Coop Unit was always my dream job, and to be here at OSU, a place I truly love, with people I feel so honored to work with, is really living the dream.

I grew up in Milpitas California, which is located in the eastern foothills of the Bay Area in Northern California. I was fortunate to live in the country with lots of domestic critters, but also only 5 minutes from the bustling urban Bay Area. I had 1000's of acres of public land that was all accessible by horseback just out my back door, and I spent a lot of my young childhood camping in the beautiful wilderness areas of California. So my love of nature and the outdoors was acquired very early I think.

I then worked as a field technician on several additional waterfowl projects in southeast Missouri, and was totally hooked by this fascinating taxa. I earned my M.S. at the University of Missouri, Columbia with Dr. Leigh Fredrickson, researching the reproductive ecology and demographics of woods ducks.

(Continues on p. 10)

(Continued from p.9 Dugger)

I spent many long hours in the bottomland hardwood forests of southeast Missouri during my M.S. program. This is a magical habitat that is often underrated, probably because of the horrible humidity, voracious bugs, and poisonous snakes, but to each his/her own...... because I loved it! This is also where Bruce and I started waterfowl hunting, and began our journey into dog ownership with our first lab, Sally, and the lab/german shorthair mix, Cedar.

When I finished my M.S., I began considering a PhD. Given Bruce was continuing his work in waterfowl and wetland ecology with a PhD at Mizzou. I actually had a little forethought and decided to move in a different direction so that someday we could hopefully both get jobs in the same place! I was fortunate to do my PhD with Dr. Mark Ryan at UMC, on the foraging ecology of least terns breeding on the Lower Mississippi River adjacent to Missouri. This project taught me the true meaning of "**it happens" when conducting research, as 2 of my 3 field seasons included 100year floods on the Mississippi River, and I had tern chicks floating away to the Gulf Coast during my first field season! There were lots of fun times too. like outrunning barges and impending thunderstorms on the Mississippi River in our super-fast johnboat, and doing helicopter surveys of the river after the flooding.

During this same time, as part of a "little" side project I also began collaborating with Dr. John Faaborg on his long-term demography work with wintering Neotropical migrants and residents on Puerto Rico. I already knew I enjoy statistics and had taken as many classes as I could during my M.S. My M.S. work also included the analysis of a large, long-term demographic data set on wood ducks and hooded mergansers, so the field of population ecology had me hooked. The questions you could now answer using data from marked and resighted animals became my real focus after finishing my doctorate.

The population demography focus of my career really took off when I joined the OR Wildlife Coop Unit as one of Bob Anthony's post-docs in 2001. Working with Bob gave me the opportunity to travel to Colorado to take a class with the gurus in the field, and I had access to the long-term demographic data set on Northern Spotted Owls.

During this time I also received NSF collaborative grant, which was the beginning of my long-term work on Adélie penguin meta-population dynamics in Antarctica. After a year as Bob's postdoc, I transitioned to Assistant Professor, Senior Research here at OSU, and I kept myself funded for

the next 10 years while conducting research with collaborators and graduate students on the population ecology of a wide range of species including Northern Spotted Owl, Adélie penguin, whales, salamanders, and a variety of seabirds off Oregon's coast to name a few.

In fall 2011, I was hired as the Assistant Unit Leader with the Oregon Cooperative Wildlife Research Unit here in the Department of Fisheries and Wildlife. This new job has provided me a whole new range of opportunities for collaboration and my research program has expanded substantially. In addition to my long-term work on penguins and owls. I have a wonderful new group of graduate students conducting research in Oregon, including projects investigating the survival and home range size of black-tailed deer, mule deer survival, red-tree vole detection rates, sage-grouse demographics in wildfire-altered landscapes, and prey selection and niche overlap of wolves and cougar. This new position has also allowed me to revive Bob Anthony's very popular graduate course on the estimation of the vital rates of animals using markrecapture techniques (FW661), which I taught for the first time in spring 2013. It took awhile to get here, but it's been a great journey, and I'm looking forward to continuing my population ecology research and the mentoring of graduate students as a Unit scientist here at OSU.

Needless to say, work keeps me very busy these days, but I still spend time with our dogs (Nova Scotia Duck Tolling Retrievers), doing a little field and obedience training, and exhibiting them in the conformation ring. I enjoy fishing and caught my first big halibut 2 summers ago! I also like to get the dogs out to hunt waterfowl and upland birds in the fall, but I still travel to Antarctica for field work in November, so I tend to miss most of the hunting season. I am a voracious knitter too, which seems to help keep me sane, and I usually have several projects in progress around the house at any one time.

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Registry of Distinguished Graduates

A committee of faculty and alumni considered nominations and voted to add the following graduates to the registry:

Rick D. Cardwell B.S. 1967, M.S 1968 and Ph.D. 1973, University of Washington.

Rick began his career working for the Washington State Department of Fisheries. In the early 1980's Dr. Cardwell moved into the field of risk assessment and environmental consulting. Rick has held consulting positions with a number of firms, including Envirosphere, Ebasco, and Parametrix. For much of his career, Dr. Cardwell served as senior aquatic ecotoxicologist and risk assessor at Parametrix, Inc., designing and conducting technical aspects of research studies examining important challenges in ecotoxicology and food chain risks. As a result of the depth and breadth of his experience, Dr. Cardwell has become an internationally recognized expert in Aquatic Ecotoxicology and Ecological Risk Assessment. Dr. Cardwell has accumulated 40 years of experience studying the adverse effects of environmental chemicals and environmental stressors on aquatic organisms. Dr. Cardwell's research expertise spans the fields of aquatic toxicology, fish ecology, and invertebrate ecology. His applied expertise extends from risk assessment; environmental impact assessment; risk assessment for mining activities; NPDES (National Pollutant Discharge Elimination System) permitting; and development and applications of aquatic toxicity bioassays, metals bioavailability, fate and toxicity. He has worked extensively in both freshwater and marine environments to address the potential toxicity of many environmental pollutants and assess the risks they pose to human and non-human organisms. A special focus of Rick's research over the years has been on accounting for the bioavailability of the various metal species found in different environmental compartments, including surface water, groundwater, sediments, and tissues of plant and animal prey. He has worked on these issues throughout the U.S. and internationally. He was an early pioneer in the development of aquatic ecological risk assessment methodologies, and has served as either a peer reviewer or member of science advisory panels to EPA and the States of Oregon and Washington. Dr. Cardwell has devoted his career to assessing and protecting human and environmental health throughout the world.

Dr. David Irons M.S. 1982, Ph.D. 1992, UC Irvine. has been the Alaska Seabird Coordinator for the US Fish and Wildlife Service since 1999. During this time, Dr. Irons has become an internationally renowned leader in seabird conservation and in the scientific seabird community, from the global to the Arctic, Pacific, and Alaska. It was Dr. Irons' vision and persistence that led to the 1st World Seabird Conference in 2010, in Victoria, British Columbia, bringing together over 950 scientists from over 40 countries and bringing a worldwide perspective to seabird management and conservation. Dr. Irons currently serves as founding chair of the World Seabird Union. A significant force in the Circumpolar Seabird Group of the International Conservation of Arctic Flora and Fauna organization since its inception, Dr. Irons served as chair for nine years (2001–2010). He also has chaired the Alaska Seabird Working Group (since 2000) and the Pacific Seabird Group (2003). and was Seabird Coordinator for the Circumpolar Arctic Flora and Fauna (CAFF)'s Circumpolar Biodiversity Monitoring Network (1998–2010). As someone who works tirelessly to encourage the thoughtful exchange of information among seabird scientists, Dr. Irons has long understood the importance of efficient researcher access to historical and contemporary data. He, his staff, and partners have developed numerous online seabird data portals: North Pacific Seabird Data Portal, Circumpolar Seabird Data Portal, and Global Seabird Data Portal. Dr. Irons has also led several large research projects resulting in scientifically based solutions for fish and wildlife conservation issues. As part of the Circumpolar Seabird Group, Dr. Irons led efforts resulting in the landmark 2008 publication in Global Change Biology, "Fluctuations in circumpolar seabird populations linked to climate oscillations;" he was the first to track Arctic Terns from the Pacific to their wintering grounds in Antarctica and identified four "hotspot" upwelling areas that are crucial fueling stops for the terns' successful migration. In a project examining effects of climate change on seabirds in the Bering Sea, his team found that as young pollock move north as the seas warm, seabirds are likely to decline. His collaborations include universities such as Oregon State, and mentoring eight staff, who have successfully completed or are currently pursuing M.S. and/or Ph.D. degrees, and Post Docs. Dr. Irons' leadership, vision, and dedication have resulted in over 60 publications in peer-reviewed journals, proceedings, and book chapters.

Stan Gregory Retires and Reflects on His Career

After my retirement at the end of 2013, Jim Hall asked me to write a short reflection of my 43 vears at OSU as a graduate student, USFWS biologist, and professor. A difficult task, but I'll try to keep it simple. Four things stand out in retrospect working with some of the world's best ecologists and teachers, participating in a research team that has made a difference on the ground, benefitting from the lack the spirit of cooperation and cross-department academic family in the Department of Fisheries and Wildlife, and recognizing the advances in resource management and conservation biology.

I arrived in Corvallis the same week as Jim Sedell. Jim Hall and Jack Donaldson were my major professors, and Norm Anderson, Dave McIntire, and Jack Lyford were my team mentors. After working for the USFWS for five years, I was a post-doc for Ken Cummins. That was the amazing start of my chance to learn from some of the brightest and most innovative ecologists in aquatic and landscape ecology. The H.J. Andrews research program, both IBP and LTER, exposed me to leaders in landscape ecology, including Fred Swanson, Jerry Franklin, Dick Waring, Art McKee, and many more. Our Department continuously provided a chance to work with faculty and students who were or would become the leaders in conservation biology. When EPA funded and participated in our analysis of alternative future scenarios for the Willamette Basin, I met one of the most influential colleagues and friends of my career, Dave Hulse at the University of Oregon. We proved that Beavers and Ducks can work together effectively and that PC addicts and Mac junkies can produce products that work on both systems. But most of all, Dave has strengthened the human dimensions of my research and sharpened my ecological perspectives.

All the Stream Team researchers over the years have shared their science with me, both formally and informally in memorable adventures. They overlooked my blunders, celebrated my successes, and created the day-to-day fun of research and teaching. Students in my classes from across the university taught me so much about streams, rivers, and lakes as I strained to stay ahead (or at least informed) of their rapidly increasing knowledge in so many different aspects of aquatic ecology. My research assistants, Randy Wildman and Linda Ashkenas, and my grad students did the hard work and made me look forward to coming to work every day. The Monday Morning Meetings have been a cauldron for stirring new ideas and exchanging perspectives and world views. Though the old dogs often barked and

growled at each other, new students and young faculty were encouraged and defended (though they might not have realized it at the time). World leaders in aquatic ecology wander through from time to time and infuse new ideas into the aquatic community in Corvallis. A common lament when talking with OSU alumni or visiting world scientists is they miss or collaboration they experienced at OSU.

The Department of Fisheries and Wildlife has a tradition of creating a sense of family. I have served under several Department Heads—Scott, Tubb, Warren, Curtis, Fritzell, Edge—and I had the good fortune to know Prof Dimick. They all worked tirelessly to create a program that shaped fisheries and wildlife science and conservation biology. Erik Fritzell was successful in refilling or creating new faculty positions during difficult financial times. Dan Edge blew the doors off figuratively and literally with his energy and open door policy. He dragged us into the new age of online education to supplement a top-ranked on-campus program, and I was one of the most stubborn dinosaurs he had to threaten and convince. But the spirit of caring, the spirit of family, would not be possible without the dedication of our advising team. When I first arrived, Lenora Bond maintained a map of the world with pin locations for every graduate of our department. She helped me so many times, partly because she cared for us and wanted us to succeed, and partly because we did not want to incur the consequences of failing to meet her high expectations. Charlotte Vickers, Nancy Allen, Rebecca Goggins, and the new team of advisors continued the legendary commitment to students that Lenora began years ago. Don't kid yourself. The sense of family in our department is not easily achieved and is challenging to maintain through the years. It is accomplished with every kind act and demonstration of professionalism by undergrads, graduate students, staff, advisors, faculty, and department leaders. You will see it in the classrooms, labs, student lounge, main office, field work, and department celebrations. So the next time you see that happening, pat that person on the back and let them know it is appreciated.

My last reflection is one of awareness. Sometimes the demands of the present and the needs of the future make the environmental challenges appear to be racing ahead of our ability to conserve or restore. I do not share in that pessimism. When I first came to our department in 1971, there were no riparian buffers along streams on

(Continues on p. 13)

federal, state, or private land. There was no National Forest Management Act, Oregon Forest Practices Act, or Northwest Forest Plan. The Endangered Species Act and Clean Water Act were being discussed but were not in existence. The Magnuson-Stevens Fishery Conservation and Management Act and the Pacific Fishery Management Council would not be created for five more years. The Oregon Watershed Enhancement Board, Meyer Memorial Trust, watershed councils, conservation-oriented land trusts, Willamette River Keeper, or collective efforts to restore the mainstem of the Willamette River did not exist. In only 43 years, natural resource management in the Pacific Northwest has made advances we could not anticipate when I first started my career. And the faculty and students of the Department of Fisheries and Wildlife have helped shaped those advances in conservation biology. The landscapes of the Pacific Northwest and its marine ecosystems will forever be healthier because of the difference we have made. Of course, there are many demands on our natural resources, many species are imperiled, and human population growth and environmental degradation diminish the integrity of our ecosystems. But the innovation, teaching, and research at OSU have made a difference, and the sense of commitment to a healthier world embodied in your education and research is the only thing that will create a different future. Sure. I'm an old dude trying the feel good about his career, but let me know if anything I have said is wrong. Take a look around you and think about the legacy of our Department for the world's natural resources and your good fortune for being part of it. Like Dan Edge always says, "Life is good!"

Fisheries and Wildlife Graduate Student Association

The Fisheries and Wildlife Graduate Student Association (FWGSA) has had another busy year of activities. During the fall semester the FWGSA put on a campout for all of this year's new graduate students at Silver Falls State Park. This was a well attended event, with over 30 campers who made it out to meet and greet our new peers in a non-academic setting. In recent years this has become a great chance for the FW graduate students to come together, considering how spread out our department is across both the Corvallis and Hatfield campuses. We're hoping to have a few more social activities during the spring quarter, including a fundraiser at Squirrels tavern. We've done this in the past and usually have had a great turn out. During this last

winter quarter the FWGSA hosted our 10th annual Research Advances in Fisheries, Wildlife and Ecology (RAFWE) symposium. This all-day symposium took place on February 15th at the LaSells Stewart Center here on campus. This event is completely planned and run by the graduate students in the Fisheries and Wildlife Department and its goal is to give graduate students a venue to share their research with the greater FW community. It's a great event to come and see what kinds of great research go on in our department. RAFWE is a completely free event and is open to public and is a great opportunity for our graduate students to present their research in a professional setting. This year's RAFWE was attended by over 150 people from several departments on campus and even a few attendees from outside the university. The symposium itself consisted of two concurrent all-day oral presentation sessions, a morning of workshops, a brown bag lunch, a keynote address, and a poster session. All this was then followed by a catered evening social.

At this year's RAFWE we were proud to host Dr. Mark Hebblewhite from the University of Montana as our keynote speaker. Dr. Hebblewhite is a premier ungulate ecologist who gave a terrific address titled: The political ecology of trophic cascades: Lessons from the recolonization of wolves in Banff National Park. The talk focused mainly on how wolf reintroductions can affect elk and caribou populations and what some of the political and social ramifications of those reintroductions can be. It was not a talk to be missed! On top of that, we also hosted three workshops during the morning of RAFWE that included: Grant writing with Dr. Tiffany Garcia, Intro to R graphics with Dr. Mike Colvin, and Nature photography with Bob Ross. Overall, it was a great day of events full of a lot of really awesome talks and posters. We hope to see some more of you at next year's RAFWE symposium!

FWGSA is looking forward to the spring quarter as I'm sure everyone else is. We will be participating in the College of Agricultures *Ag Day*, which will be held all day outside the Memorial Union on May 7th. This large event and is a great chance to see the kinds of research and outreach that student organizations within the College of Agriculture participate in.

Kevin McDonnell and Jessica Saenz FWGSA co-presidents

Thank you, Donors

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Departmental Scholarship Recipients 2011-2012

Undergraduate

Lindsay Briley and Jason Bell—Roland E. Dimick Memorial Scholarship, \$3,000 each; for Sophomores who have been in the Department for at least 3 terms; based on Freshman performance; awarded since 1980.

Allison Stringer—Carl and Lenora Bond Scholarship, \$2,000; for a Junior or Senior with leadership abilities; awarded since 2007.

Rachel Webber—Lee Wallace Kuhn Memorial Scholarship, \$500; for Juniors or Seniors emphasizing wildlife; awarded since 2005.

Ralph Caldwell and Mee-ya Monnin—William Q. Wick Memorial Scholarship, \$2,000 each; to benefit undergraduate students in the Department; preference to Oregon high school graduates; awarded since 1993.

Cole Hendrickson—**Howard Horton** Fisheries Management Scholarship, \$500; for students with a career interest in fisheries management, leadership qualities, and volunteer activities; awarded since 2009.

Lisa Edwards-Vollertsen \$500 and Larry Silver\$1,000—Erik Fritzell Diversity Scholarship; for ethnic minorities; awarded since 2009.

Lindsay Briley, Kayla Burns, Dylan Ferrell, Emily Hepler, and Jonah Powell—Henry Mastin Memorial Scholarships, \$1,000 each; for Freshmen entering the Department; based on scholastic achievement; awarded since 1989.

Molly Clark—Bob and Phyllis Mace Watchable Wildlife Scholarship, \$3,000; to benefit qualified and needy students working toward an undergraduate degree in the Department; preference to Oregon high school graduates; awarded since 1994.

Ralph Caldwell \$1,000 and Megan McKim \$500—Mike and Kay Brown Scholarships; for undergraduate students with a major in the College of Forestry, Department of Fisheries and Wildlife, or in Natural Resources; awarded since 1998.

Dylan McDowell—Cliff & Katie Hamilton Mentors Scholarship, \$1,500; for students with leadership skills working toward a degree that blends their fish and wildlife training with other disciplines; awarded since 1993.

Richard Chamberlain—William B. and Jean Morse Scholarship, \$3,000; preference to students interested in law enforcement; awarded since 2011.

Jonah Powell—Phillip W. Schneider Scholarship, \$500; for a sophomore or junior with demonstrated

leadership ability through student and community activities; awarded since 2011.

Neyssa Hays—**Tamal Reece** Memorial scholarship, \$750; for non-resident students; awarded since 2011.

Robert Blenk and Megan McKim—Chairman's Leadership Award, \$500 each; for students who demonstrate outstanding leadership; awarded since 2007.

Megan McKim—Mikel Mapes Memorial Scholarship, \$500; given by the Multnomah Anglers and Hunters Club; for a Junior or Senior with fisheries emphasis; awarded since 2005.

Ralph Caldwell—Bill Schaffer Memorial Scholarship, \$800; given by the Multnomah Anglers and Hunters Club for a Sophomore, Junior, or Senior, based on academic performance and community activities; awarded since 1942.

Adrian Gonzales—Chan Schenck Conservation Scholarship, \$800; given by the Multnomah Anglers and Hunters Club; for a Junior or Senior in the Department; awarded since 1942.

Kory Kuhn—**Milt Guymon** Memorial Scholarship, \$500; awarded by the Multnomah Anglers and Hunters Club; a new award this year.

Alexandria Marquardt and Dylan McDowell— Vivian Schriver Thompson Scholarship, \$2,000 each; E.R. Jackman Foundation, to benefit needy wildlife students; restricted to Oregon residents; awarded since 1995.

Megan McKim—Rogue Flyfishers Club Scholarship, \$1,500; for a Junior or Senior majoring in Fishery Science; awarded since 2004.

Megan McKim—Southern Oregon Flyfishers Club Scholarship, \$1,500; restricted to Juniors and Seniors in the Department; preference to those with field experience; selection based on scholarship and need; awarded since 1995.

Adrian Gonzalez and Seth Webster—Santiam Fish and Game Association endowed scholarship fund, \$1,500 each; one to a junior or senior and one to a student with an internship in public education in Linn or Benton County; awarded since 2009.

Graduate

Allison Evans—Coombs-Simpson Memorial Fellowship, \$750; awarded to female graduate students with personal and professional qualities that exemplify the role-model characteristics of Candia Coombs M.S. '79 and Gay Simpson '76, M.S. '79, alumnae of the Department. The recipients are

nominated by her peers; awarded since 1995.

Matt Sloat—M.A. Ali Graduate Chair Award in Fishery Biology, \$200; based on accomplishment in research, communication of science, and evidence of leadership; awarded since 2011.

Sierra Lewis and Haley Ohms—Oregon Council Federation of Fly Fishers Scholarship, \$1,500 each; to graduate students researching native fishes; awarded since 1992

Susan Benda—**Hugo Krueger** Graduate Research Award in Fish Physiology, \$2,000; awarded since 1986.

Lindsey Thurman \$2,000, Brandon Nickerson \$1,500, and Katie Moriarty \$960—**Ken Munson** Wildlife Scholarship; awarded since 2005.

Whit Bronaugh—John C. Briggs Scholarship in Biogeography, \$500; student with strong interest in distribution and evolution of terrestrial, freshwater, or marine organisms; undergraduate degree from another university; awarded since 2011.

Daniel Cushing and Jennifer Rowe—Thomas G. Scott Achievement Award, \$2,000 each; for the Outstanding M.S. students in the Department; awarded since 1993.

Renee Albertson and Darren Clark—Thomas G. Scott Achievement Award, \$2,000 each; for Outstanding Ph.D. students in the Department; awarded since 1993.

Noelle Yochum and Renee Bellinger—H. Richard Carlson Scholarship, \$2,300 each; awarded to graduate students working in the area of marine fisheries; awarded since 2000.

Jennifer Rowe and Noelle Yochum—Henry Mastin Graduate Fund to assist with expenses for research and travel to professional meetings. Awarded since 1990.

Stephanie Collar and Kendra Hoekzema— Chairman's Leadership Award, \$500 each; for students demonstrating outstanding leadership; awarded since 2009.

Kendra Hoekzema—Ted Thorgaard Student Research Fund, \$500; for a student conducting research in conservation biology; awarded since 2007. Katherine Nordholm \$1,000, Haley Ohms \$1,000, and Sierra Lewis \$1,500—Washington County Flyfishers Marty Day Scholarship; for students conducting research on freshwater salmonid ecology and management; awarded since 2006.

Haley Ohms and Bill Brignon—Sunriver Anglers Club Scholarship, \$1,500 each; for students studying fish ecology or habitat in Eastern Oregon; awarded since 2006.

James Losee—Neil Armantrout Graduate Fellow-

ship, \$2,000; for students conducting research on wild salmon; Awarded since 2008.

Katie Moriarty—**David B. and Georgia Leupold Marshall** Wildlife Graduate Scholarship, \$1,500; for a graduate student in wildlife; awarded since 2008.

Jennifer Rowe—Santiam Fish and Game Association endowed scholarship, \$1,500; preference to residents of Linn or Benton County; awarded since 2009.

Daniel Cushing—Charles E. Warren Award for Ecology and Sustainable Societies, \$1,000; for a student whose research integrates ecology, political economy, and environmental justice in the quest for sustainable relationships between communities and their natural resources; awarded since 2009.

Departmental Scholarship Recipients 2012-2013

Undergraduate

Mason Wagner—Roland E. Dimick Memorial Scholarship, \$3,000; for Sophomores who have been in the Department for at least 3 terms; based on Freshman performance; awarded since 1980.

Dylan McDowell—**Carl and Lenora Bond** Scholarship, \$2,000; for a Junior or Senior with leadership abilities; awarded since 2007.

J. Dylan Edwards—**Lee Wallace Kuhn** Memorial Scholarship, \$500; for Juniors or Seniors emphasizing wildlife; awarded since 2005.

Tyler McFadden and Rachel Webber—William Q. Wick Memorial Scholarship, \$2,000 each; to benefit undergraduate students in the Department; preference to Oregon high school graduates; awarded since 1993.

Kim Frerichs—**Howard Horton** Fisheries Management Scholarship, \$1,000; for students with a career interest in fisheries management, leadership qualities, and volunteer activities; awarded since 2009.

Graham Boostrom, Anthony Howell (EC student), Brittaney Jenson, Jocelyn Stokes, Christie Wright, Rosalinda Gonzalez—Erik Fritzell Diversity Scholarship, \$500; for ethnic minorities; awarded since 2009.

Karla Garcia—**Jim and Bonnie Hall** Diversity Scholarship, \$1,200; for underrepresented students; a new award this year.

Amanda Gildersleeve, Hanna Gomes, Amber Newell and Mason Wagner—**Henry Mastin** Memorial Scholarships, \$1,000 each; for Freshmen entering the Department; based on scholastic achievement; awarded since 1989.

(Continued from p. 17)

Danielle Easterly—**Bob and Phyllis Mace** Watchable Wildlife Scholarship, \$3,000; to benefit qualified and needy students working toward an undergraduate degree in the Department; preference to Oregon high school graduates; awarded since 1994.

Tyler McFadden, Mee-ya Monnin, and Dylan McDowell—Mike and Kay Brown Scholarships, \$1,000 each; for undergraduate students with a major in the College of Forestry, Department of Fisheries and Wildlife, or in Natural Resources; awarded since 1998.

Katharina Perez and Daniel Trovillion—Cliff & Katie Hamilton Mentors Scholarship, \$1,500 each; for students with leadership skills working toward a degree that blends their fish and wildlife training with other disciplines; awarded since 1993.

Ralph Caldwell—William B. and Jean Morse Scholarship, \$3,000; preference to students interested in law enforcement; awarded since 2011.

Jerika Wallace—Phillip W. Schneider Scholarship, \$500; for a sophomore or junior with demonstrated leadership ability through student and community activities; awarded since 2011.

Elizabeth Johnson—**Tamal Reece** Memorial scholarship, \$750; for non-resident students; awarded since 2011.

Katherine Gillies-Rector and Tyler McFadden—Chairman's Leadership Award, \$500 each; for students who demonstrate outstanding leadership; awarded since 2007.

Allison Stringer—Mikel Mapes Memorial Scholarship, \$500; given by the Multnomah Anglers and Hunters Club; for a Junior or Senior with fisheries emphasis; awarded since 2005.

Julianna Masseloux—Bill Schaffer Memorial Scholarship, \$800; given by the Multnomah Anglers and Hunters Club for a Sophomore, Junior, or Senior, based on academic performance and community activities; awarded since 1942.

Katherine Gillies-Rector—Chan Schenck Conservation Scholarship, \$800; given by the Multnomah Anglers and Hunters Club; for a Junior or Senior in the Department; awarded since 1942.

Joselyn Stokes—Milt Guymon Memorial Scholarship, \$1,000; awarded by the Multnomah Anglers and Hunters Club; awarded since 2012.

Karla Garcia—**Wanda Campbell** Memorial Scholarship, \$1,325; awarded by the Multnomah Anglers and Hunters Club.

Rachel Webber—Bob O'Loughlin Memorial

Scholarship, \$1,350; Awarded by the Multnomah Anglers and Hunters Club.

Mee-ya Monnin and Katharina Perez—Vivian Schriver Thompson Scholarship, \$2,000 each; E.R. Jackman Foundation, to benefit needy wildlife students; restricted to Oregon residents; awarded since 1995.

Cole Hendrickson—Rogue Flyfishers Club Scholarship, \$1,500; for a Junior or Senior majoring in Fishery Science; awarded since 2004.

Jordan Massie—Southern Oregon Flyfishers Club Scholarship, \$1,500; restricted to Juniors and Seniors in the Department; preference to those with field experience; selection based on scholarship and need; awarded since 1995.

Jordan Massie and Daniel Trovillion—Santiam Fish and Game Association endowed scholarship fund, \$1,500 each; one to a junior or senior and one to a student with an internship in public education in Linn or Benton County; awarded since 2009.

Graduate

Noelle Yochum—Coombs-Simpson Memorial Fellowship, \$750; awarded to female graduate students with personal and professional qualities that exemplify the role-model characteristics of Candia Coombs M.S. '79 and Gay Simpson '76, M.S. '79 alumnae of the Department. The recipients are

'79, alumnae of the Department. The recipients are nominated by her peers; awarded since 1995.

Michael Burns—M.A. Ali Graduate Chair Award in Fishery Biology, \$200; based on accomplishment in research, communication of science, and evidence of leadership; awarded since 2011.

Madeleine Eckmann and Rosalinda Gonzales— Oregon Council Federation of Fly Fishers Scholarship, \$1,500 each; to graduate students researching native fishes; awarded since 1992.

Julia Unrein—**Hugo Krueger** Graduate Research Award in Fish Physiology, \$3,000; awarded since 1986.

Allyson Jackson—**Ken Munson** Wildlife Scholarship, \$2,000; awarded since 2005.

Whit Bronaugh—John C. Briggs Scholarship in Biogeography, \$500; student with strong interest in distribution and evolution of terrestrial, freshwater, or marine organisms; undergraduate degree from another university; awarded since 2011.

Ben Frable and Rachel Reagan—Thomas G. Scott Achievement Award, \$2,000 each; for the Outstanding M.S. students in the Department; awarded since 1993.

Evan Bredeweg and Rebecca Hamner—Thomas G. Scott Achievement Award, \$2,000 each; for Outstanding Ph.D. students in the Department; awarded since 1993.

Linsey Arnold—**H. Richard Carlson** Scholarship, \$6,000; awarded to graduate students working in the area of marine fisheries; awarded since 2000.

Katie Moriarty, Renee Albertson, and Tom Calvenese—Henry Mastin Graduate Fund to assist with expenses for research and travel to professional meetings. Awarded since 1990.

Stephanie Archer and David Loomis—Chairman's Leadership Award, \$500 each; for students demonstrating outstanding leadership; awarded since 2009.

Rebecca Hamner—**Ted Thorgaard** Student Research Fund, \$500; for a student conducting research in conservation biology; awarded since 2007.

Bill Brignon, Andrew Claiborne, and John Speece—Washington County Flyfishers Marty Day Scholarship, \$1,250 each; for students conducting research in freshwater salmonid ecology and management; awarded since 2006.

Not awarded this year—Sunriver Anglers Club Scholarship, \$1,500 each; for students studying fish ecology or habitat in Eastern Oregon; awarded since 2006.

Emily Campbell—**Neil Armantrout** Graduate Fellowship, \$3,000; for students conducting research on wild salmon; awarded since 2008.

Noelia Volpe—David B. and Georgia Leupold Marshall Wildlife Graduate Scholarship, \$2,000; for a graduate student in wildlife; awarded since 2008.

Jenna Curtis—Santiam Fish and Game Association endowed scholarship, \$1,500; preference to residents of Linn or Benton County; awarded since 2009.

FACULTY KUDOS

2012

Brian Sidlauskas received the Innovation in Online Credit-based Teaching Award from the Vice-Provost for University Outreach and Advancement.

At the Annual Meeting of The Wildlife Society **Dan Edge** received the Excellence in Wildlife Education Award for his efforts in promoting Distance Education. At the Annual Meeting of The

Wildlife Society, the authors of Forsman et al. (2011), including multiple FW faculty and a graduate student (in bold below), received The Wildlife Society's Publication Award in the book category for 2012. Full citation: Forsman, ED, RG Anthony, KM Dugger, and 24 co-authors 2011. Population demography of northern spotted owls. Studies in Avian Biology 40.

Drs. **Robert Anthony** and **Katie Dugger** were part of a multi-agency team of 12 who were awarded the 2012 U.S. Fish and Wildlife Service's Endangered Species Recovery Champion Award for their development of state-of-the-art modeling tools to use in designing and evaluating habitat conservation networks for the Northern Spotted Owl across its range.

At the Annual Meeting of the American Fisheries Society in Minneapolis, our Department received four prestigious awards. **David Noakes** received the Award of Excellence, the Society's highest award (this brings to 6 the number of these awards to our faculty members or graduates, one of the best records in North America). The W.E. Ricker Conservation Award went to **Jack Helle,** Ph.D. 1980. **Hiram Li** received the Emmeline Moore Prize, named in honor of the first female President of AFS, for his efforts to promote diversity within the Society. And **Brooke Penaluna**, Ph.D. 2014, received the J. Frances Allen Scholarship, given to a female Ph.D. student, honoring Allen, who pioneered women's involvement in AFS. Congrats to all!

At the College Awards Day in October **Dan Roby** received the F.E. Price/ARF Award for excellence in Research; the Oldfield Team Award went to the **Zumwalt Prairie Food Web Research Team, including Pat Kennedy** and **Sandy DeBano.** The Savery Outstanding Young Faculty Award went to **Brian Sidlauskas**, who was also featured in a Facebook Story "Speeding up Science" (see story p. 4). **Brian** also received the Ag Exec Council's Distinguished New Professor Award, a student-nominated award.

Carl Schreck is completing his third fouryear term as President of the International Federation of Fish Endocrinologists.

2013

At the University Day ceremony in October 2013, **Carl Schreck** received the Excellence in Graduate Mentoring Award for his extraordinary record of excellence and effectiveness in mentoring graduate students. The Student Learning and Success Team Work Award recognizes departments or interdisciplinary groups at Oregon State University that have demonstrated exceptional teamwork in creating and sustaining an exemplary teaching and learning environment to advance the (Continued on p. 20)

Faculty KUDOS Continued...

university's strategic goal of student success and excellence. The 2013 award went to the **Department of** Fisheries Ph.D. program second in the country and Fisheries and Wildlife.

At the College Awards Day in October 2013 there were 13 winners, 6 from our Department! Jessica Miller received the Briskey Award for Faculty Excellence; **Clint Epps** received the R.M. Wade Award for Excellence in Teaching and was also placed on the Registry of Distinguished Teachers; the F.E. Price/ARF Award for Excellence in Research went to Carl Schreck: Danielle Jarkowski received the F.E. Price/ARF Award for Excellence in Advising; and the Roy Arnold/ARF Leadership Award went to **Michael Banks.** What a sweep!

And at the 2013 National meeting of the American Fisheries Society in Little Rock, Bob **Hughes** was installed as National President. At the National Meeting of TWS Dana Sanchez received the Diversity Award for outstanding efforts in promoting ethnic and gender diversity in the natural resource professions.

Stan Gregory received the Excellence in Teaching Award, Western Division, University Professional and Continuing Education Association. This puts him in the running for a National Award.

Sue Haig and former M.S. student **Hope Draheim** received the Painton Award from the Cooper Ornithological Society for the outstanding paper published in *The Condor*.

Jim Peterson, Asst. Coop Fisheries Leader, received the Coop Research Unit's Excellence in Service Award.

Fisheries and Wildlife instructor Dr. Holly V **Campbell** received a Fulbright Research Award to the University of Northern British Columbia in 2013.

2014

The Department's Promotion and Tenure Committee has been unusually busy (and successful) this year. Congratulations to Michael Banks (promoted to Professor), **Clint Epps** (Assoc. Prof. with tenure) Hilary Egna (to Assoc. Prof. Sr. Research), and Nicole Duplaix (to Senior Instructor). Including five Research Assistant promotions, the Committee processed over 10% of all of OSU's promotion and tenure cases!

At the May 12 Stream Team meeting, Stan **Gregory** was presented with a U.S. Forest Service Rise to the Future Award under the category "Jim Sedell Research Achievement." (Your editor can't help saying, with pride, that one of his most significant achievements in the Department was signing the letter that brought Jim to OSU as a post-doc in 1971, as part of the International Biological Program's Coniferous Biome Project).

An academic rating service has ranked our our Wildlife program third among Land Grant institutions.

Gordon Reeves received the Rise to the Future Lifetime Achievement Award from the U.S. Forest Service for his research on the impacts of climate change on aquatic and riparian ecosystems in the Pacific Northwest and Alaska and his holistic, field-based research perspective. Reeves was also honored for his long-standing commitment to communicating research with decision makers and mentoring the next generation of fisheries scientists.

As if he weren't busy enough, **Dan Edge** is serving as Faculty Senate President for 2014. Glutton for punishment? (but it's great that you're doing it) and Dan has some help—Selina Heppell is now Associate Department Head for Academic Affairs.

Your Editor and Howard Horton both received Lifetime Achievement Awards at the 50th Annual meeting of the Oregon Chapter of the American Fisheries Society. We were among those who attended the first meeting, and of course Howard was the leading organizer and first President of the Chapter. Howard also was one of the Keynote Plenary speakers at the 50th meeting, held in Eugene in February.

"Ellie's Log", a wonderful book for aspiring young naturalists by **Judy Li**, illustrations by **Peg** Herring, and published by OSU Press, has been short-listed for a Green Earth Book Award. A greater honor, Ellie's Log was also one of 3 finalists for the AAAS "Hands-On" Science book for children in 2013. (see Feature article on p. 5 for even more praise).

Sue Haig is currently serving as President of the American Ornithologist's Union.

Editor's Postscript:

As you have probably already noticed, thanks to Rachael Crowhurst's generous tribute, this is the last of 14 issues I have produced. It's been an interesting ride, but I'm getting excited about getting back to my ancient lamprey data (both the lampreys and the data are ancient). But this issue would not have been possible without the capable assistance of Kayla Auer. one of our cheerful student workers in the Department. I have laid out all of the previous issues myself in Adobe PageMaker. However, in the interim Page-Maker has died, and I'm too old a dog to learn new tricks. So, many thanks to Kayla for her expertise. And best of luck and thanks to Hiram Li for taking on the job.

-Jim Hall

OBITUARIES



Photo Lynn Ketchum

Robert G. Anthony 1944-2013

Bob Anthony, retired Leader of the Co-op Wildlife Unit died December 21, 2013. He was out cutting a Christmas tree and began to feel bad. He asked Libby to call an ambulance, but he was dead before it arrived. There was a memorial service at the Elk's Club attended by over 200. At the service **Dan Roby**, who succeeded Bob as Coop Wildlife Unit Leader, delivered this heartfelt tribute:

I wanted to share some items from the long list of Bob Anthony's professional accomplishments during his more than 40 years as a Wildlife Ecologist. Bob's career at OSU began in 1977, as Assistant Leader of the Cooperative Wildlife Research Unit under Chuck Meslow. After Chuck retired, Bob headed the unit for 16 years before he retired in 2010 as a Professor of Wildlife Ecology in the Department of Fisheries and Wildlife. When he retired he had been a Unit scientist in federal service for over 33 years. During his career he became internationally renowned for his expertise in wildlife ecology, population analysis, and environmental contaminants.

Among his academic accomplishments was serving as major advisor for 48 graduate students in the field of Wildlife Science, 38 candidates for the degree of Master of Science and 10 candidates for the degree of Doctor of Philosophy. A large percentage of Bob's graduate students have gone on to pursue highly successful careers in wildlife research, conservation, and management.

Bob taught his notoriously challenging, graduate-level course "Wildlife Population Analysis" a total of 13 times. Many of the graduate students who took this class from Bob said that it nearly did them in. I know it took a big toll on Bob each time he taught it, but he was absolutely dedicated to making the course a keystone of the graduate program in Wildlife Science at OSU, and it was.

Bob is probably best known for his research on Northern Spotted Owls and Bald Eagles, but conducted research on a wide variety of other birds and mammals as well, including cougar, elk, sage-grouse, Columbian white-tailed deer, pygmy rabbits, burrowing owls, Washington ground squirrels, and northern flying squirrels. He had over 140 peer-reviewed publications in scientific journals, 17 peer-reviewed books and book chapters, and 33 peer-reviewed technical publications to his credit. Bob was lead author, along with 28 co-authors, of the watershed Wildlife Monograph entitled "Status and Trends in Demography of Northern Spotted Owls." He recently shared the Outstanding Publication award in the Book category from The Wildlife Society for the book entitled "Population Demography of Northern Spotted Owls."

Bob was a member of the Northern Spotted Owl Recovery Team for 3 years, helped write the Recovery Plan for this threatened species, served on President Clinton's Forest Ecosystem Management Assessment Team, and then served as a member of the Effectiveness Monitoring Workgroup for the Northern Spotted Owl for the next 18 years. He also was a member of the Pacific States Bald Eagle Recovery Team for 34 years. The crowning achievement of his efforts on behalf of Bald Eagles was the publication with Frank Isaacs in 2010 of their monograph on 30 years of monitoring Bald Eagle breeding pairs in Oregon.

In recognition of Bob's leadership role on the Northern Spotted Owl Long-term Demography Research Team, in 2010 he was awarded, along with Eric Forsman and Chuck Meslow, the Ralph W. Schreiber Conservation Award, the highest award presented by the American Ornithologists' Union in recognition of research that enhances bird conservation. The next year, 2011, he was inducted as a Fellow of The Wildlife Society for outstanding contributions to the profession of wildlife science internationally. As Chuck Meslow once said, "when the going gets rough politically, [Bob] always steps up and is an insistent and outspoken voice for the application of the best science in management planning."

On a more personal note, I am very grateful for having known Bob Anthony, for having him as a supervisor for 15 years, and for having his impressive act to try to follow in the aftermath of his retirement in 2010. Bob was an extremely generous,

(Continues on p. 22)

caring, unassuming, and dedicated individual. Continued. He worked harder than anyone I know, and played just as hard. His sense of humor was contagious, full of joy, and full of mischief. In addition to being a wonderful mentor, Bob was a loyal and devoted friend. He will be sorely missed by so many of us who were both inspired by him and loved him for his tough, amiable, no-nonsense, fun-loving personality. He was about the finest man I have ever had the privilege to know.

John D. McIntyre 1938-2012

The fisheries research and management communities lost a highly respected leader and a consummate professional when Jack McIntyre passed away suddenly on December 3, 2012. Widely published and with important contributions in population biology and conservation management, Jack was something of a legend in the fisheries profession in the Pacific Northwest and beyond. All were deeply saddened by his untimely death.

Jack was born in Jamestown, New York. After a stint in the U.S. Air Force (1958–1962), Jack was accepted into a B.A. program at Cornell after his military discharge. He finished that degree at Colorado State College in Greeley while deciding on a career in the fish and wildlife sciences, a path that brought him to Corvallis, Oregon, on an M.S. graduate assistantship in fisheries. He completed his M.S. degree in 1967 and his PhD. in fisheries from Oregon State University in 1970. Jack became the Assistant Leader of the Oregon Cooperative Fisheries Research Unit in 1971 and the Unit Leader in 1973, where he taught and oversaw a diverse fisheries research program (through 1977) with his students.

In 1977, Jack transferred to the Seattle National Fisheries Research Center, where he led the Population Ecology Research Section. Jack joined the U.S. Forest Service's Intermountain Research Station in Boise, Idaho, in 1990 to lead a new program focused on the conservation biology of native fishes. He retired from federal service in 1994 but remained active in fisheries conservation roles. Jack was honored with inclusion in the Department's Registry of Distinguished Graduates in 2001.

A large part of Jack's legacy was his ability to keep others excited about science and to constantly make us strive to be the very best biologists we could be. He embraced change and challenge and he demanded professional excellence—in his students, employees, colleagues, and superiors—but he accomplished that with love and with a unique sense of humor. We lost a great man in Jack McIntyre's passing. He was a courageous leader, unafraid to tackle any controversial fisheries research or management issue, whose visionary thinking positively affected

our contemporary perspectives in fish recovery planning. These sentiments express the collective input and contributions of many of Jack's close friends and colleagues over the years. He changed us, he inspired us, he challenged us, and he helped make us who we are. His creative thinking and his inspiring style touched us all. He will be missed. (Excerpted from an article in Fisheries May 2013. Contributors include Carl Burger B.S. '74, Reg Reisenbichler M.S. '77, Jack Helle Ph.D. '80, Richard Wilmot Ph.D. '74, Carl Schreck, Hiram Li, and Jim Lichatowich B.S. '69, M.S. '70.)

James R. Sedell 1944-2012

Aquatic science lost one of its most creative thinkers and astute administrators when Jim Sedell died on August 18, 2012. His scientific and manage ment legacies were matched by the contagious enthusiasm he brought to the resolution of natural resource problems. He graduated from Willamette University with a B.A. in Philosophy and attended graduate school at the University of Pittsburgh, receiving a doctorate in biology and ecology in 1971, under Ken Cummins.

From 1971 to 1977 Jim held a research faculty position in Fisheries and Wildlife, studying stream ecosystems in the H.J. Andrews Experimental Forest as part of the International Biological Program. Jim taught the importance of incorporating the history of an ecosystem in studying and managing it.

From 1977 to 1980 Jim managed an aquatic research team at the Weyerhaeuser Company. In this role he pressed hard for changes in riparian protection on private industrial forests, emphasizing the importance of large wood.

In 1980 Jim returned to Corvallis, to lead an aquatic science team for the U.S. Forest Service Pacific Northwest Research Station. In 1989 Jim was a key advisor to a Congressionally appointed panel of distinguished scientists to develop a long-term management strategy that would protect essential functions of forest ecosystems.

In 1993, Jim was selected to be the scientific expert for fish and water quality on President Clinton's panel and subsequently became co-leader of the aquatic component of the Forest Ecosystem Management and Assessment Team.

Jim then accepted the position of Forest Service Water Coordinator in Washington, D.C. Soon thereafter he became Director of Wildlife, Fish, Water, and Air Research.

In 2004, Jim was appointed Director of the Forest Service Pacific Southwest Research Station in Albany, California. Jim retired from the Forest Service in 2008 and took a position as Fish Conservation Director with the (Continues on p. 23)

OBITUARIES Continued...

National Fish and Wildlife Foundation in Portland, Oregon. In that position he was responsible for awarding and overseeing grants for protecting a variety of aquatic resources.

Although Jim left a rich and varied scientific legacy, he will be equally remembered for his ability to get people excited about science. His enthusiasm was always infectious. His sense of humor was legendary and as a cheerleader he was unequaled. Though he will be greatly missed by his colleagues, we can take comfort in knowing that our watersheds and the plants and animals they contain are better off for his having been here. (Excerpted from an article in *Fisheries* November 2012. Contributors are Pete Bisson M.S. '69, Ph.D. '75, Gordie Reeves Ph.D. '85, and Stan Gregory.)

Lavern Weber 1934-2014

Lavern Weber, who was the director of Oregon State University's Hatfield Marine Science Center for a quarter-century, died May 5, 2014. He was 80. Weber was a leader in the development of Newport as a marine science education and research center and led the Newport-based OSU center from 1977 until his retirement in 2002. In addition to directing the Hatfield Center, he also served as director of the Cooperative Institute for Marine Resource Studies and as superintendent of the Coastal Oregon Marine Experiment Station, which was the nation's first experiment station dedicated to coastal issues.

Weber graduated from Pacific Lutheran University in 1958 and earned masters and doctoral degrees from the University of Washington, where he served on the faculty from 1964-69. He joined the OSU Department of Fisheries and Wildlife in 1969 and later had a faculty appointment in pharmacy and worked as assistant dean of the graduate school before moving into his role at the Newport center in 1977. Under his leadership, the center grew as the Environmental Protection Agency, the National Oceanic and Atmospheric Administration's National Marine Fisheries Service and Vents Programs, U.S. Fish and Wildlife Service, and Oregon Department of Fish and Wildlife became established at the OSU facility. Weber also oversaw the expansion of student and faculty housing, the remodeling of the Visitor's Center, expanded ship operations, and construction of several buildings, including the Marilyn Guin Library. Weber received the OSU Alumni Associa tion's Distinguished Professor Award in 1992. He was president of the Yaquina Bay Economic Foundation, served for a dozen years on the South Slough National Estuarine Research Reserve Management Commission, and in 2000-01 was president of the National Association of Marine Laboratories. "He

was a wonderful citizen of Newport, participating in a variety of organizations, including chairing the board of the Oregon Coast Council for the Arts," said Janet Webster, head librarian for the Hatfield Marine Science Center. He mentored numerous graduate students and faculty in his years as a professor, director and associate dean in the College of Agricultural Sciences. OSU and Newport will miss him."

William J. McNeil 1930-2013

Bill died at his home in Salem on April 13, 2013. He received his B.S in 1952 and M.S. in 1956 at OSU, both in Fisheries , and a Ph.D. in 1962 from the University of Washington. During his doctoral study he did groundbreaking work on the ecology of spawning salmon in Southeast Alaska and continued to make major contributions in that field throughout his career.

Bill became the head of the Pacific Marine Fisheries Laboratory at the OSU's Hatfield Marine Science Center in 1966. In 1969 Bill initiated a project to develop a prototype gravel incubator hatchery for Chum Salmon at Whiskey Creek in Netarts Bay. Bill later received a patent for this improved Hatchery Incubation System. During the summer of 1972 he left OSU to take a position at the Auke Bay Lab of the National Marine Fisheries Service in Juneau, where he continued work to improve procedures in aquaculture. In 1977 he moved back to Oregon to become General Manager of Oregon Aquafoods, a private salmon ranching company established by Jack Donaldson and his father Lauren, later acquired by the Weyerhaeuser Corporation. In 1985, Bill returned to OSU to become the Director of the OSU Cooperative Institute for Marine Resources Studies (CIMRS). serving until 1991, when he retired from OSU.

Bill was passionate about the role of aquaculture in maintaining and enhancing populations of Pacific salmon. He edited three books on aquaculture published by the OSU Press, and was the author, with Jack Bailey, of *The Salmon Rancher's Manual*, published in 1975 by the Auke Bay Lab of NMFS. Throughout his career Bill consulted widely for both private and State aquaculture organizations rearing Pink Salmon in Southeast Alaska. Late in his life Bill was one of the founding Directors of Salmon For Oregon, a private non-profit corporation dedicated to restoring and enhancing Oregon populations of Chinook and Coho Salmon. His family suggests donations to Salmon for Oregon in his honor (http://www.salmonfororegon.org/).

We also lost two faculty wives in the last couple of years. **Howard Horton's** wife Jeannine died July 25, 2013, and **Bob Jarvis's** wife Elizabeth Mannarino died August 17, 2013.

Department of Fisheries and Wildlife Oregon State University 104 Nash Hall Corvallis, OR 97331-3803

What's Happening?

We enjoy hearing from alumni and Department friends. Send your autobiographical notes and your opinions to the Editor, and we will share them with *News and Views* readers.

Please make any needed address corrections below. You might also send us a few bucks to help cover costs of your newsletter. Make checks out to OSU Foundation—Fisheries and Wildlife.

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