



Oregon State University

Department of Fisheries and Wildlife

News and Views // Winter 2017

A MESSAGE FROM THE DEPARTMENT HEAD



Welcome to spring! It is nice to see the crocuses and daffodils after so many months of ice, snow and cold rain here in the Willamette Valley. We made it through our big 10 Year Program Review, receiving accolades from reviewers and many useful suggestions for future improvements to our undergraduate and graduate programs. Putting all the data together was a chore, but also revealing! Our reports are available electronically, just send an email request to gabrielle.fecteau@oregonstate.edu.

We have many exciting opportunities for experiential learning this summer and fall: field courses in Hawaii, Borneo and Italy, summer courses at the Hatfield Marine Science Center (HMSC), and hybrid courses at the coast in September. We will also have a limited slate of courses offered at HMSC fall term. Time to get your feet wet, students! And to our Alumni and Friends, consider a gift to support housing, field supplies, and transportation for these life-changing student experiences.

Finally, it is spring, so of course we are celebrating our GRADUATES! This June, we will have our largest number of online graduates yet, and many successful BSc, MSc and PhD students who have finished their degrees in 2016-17. I love graduation – so wonderful to meet the happy families, and I get to wear a funny hat! **Everyone (and I mean EVERYONE) is invited to our Spring Celebration at Willamette Park on June 16, starting at 5pm.** We would love to see our emeritus faculty and local alumni at this event, in addition to our faculty, staff, and students and their families. RSVP to fw.news@oregonstate.edu

All my best,

SELINA

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A MESSAGE FROM THE EDITOR

Statewide, Outdoor School for children got funded, but at the cost of losing opportunities to purchase open space. Many attendees will place a higher premium on preserving the function of the landscape and vote to acquire more open land. As an example, Citizen Science has taken hold in Portland, Oregon. The Union for Conservation of Natural Resources has grown to over 200 organizations and that includes governmental agencies. Members spend time gathering information with Eco-Blitzes, the procedures of which have been designed by persons who understand integrative biology and experimental design. The U.S. Army Corps of Engineers participates in efforts to acquire open lands for white oaks, and wetlands.

Oregon State University declared itself a Sanctuary University, The City of Corvallis not only declared itself a Sanctuary City, but the City Council is pushing forward with designing a plan for coping with Global Climate change.

It is true that Oregon has elected people of high character to office; Governors Mark Hatfield and Tom McCall are some examples. However, our department was well out in front of the governors. Professor Roland Dimick established the Department of Fish, Game and Fur Animal Management in 1936 and served as Department Head until 1963. He began work to alert the public that we had to restore the water quality of the Willamette River system. From this early start, the Department of Fisheries and Wildlife became a leader in conservation biology and we rank among the top departments in this discipline in North America and, arguably, the world. However, our greatest product was producing several generations of students that became highly respected professionals in their own right. We also have people like Howard Horton. Dr. Horton continues to win AFS awards because he has been so active in protecting fish by acting as an independent advisor to judges of the Ninth District Federal Court, where decisions concerning the management of the Columbia River system are adjudicated. When I look at the roster of our past students, I am reassured that we have prepared our nation for the environmental challenges of the future, one that may be more challenging than the era of their teachers.

This is the good news. However, there are dark clouds on the horizon and we might need your help. I learned that before Proposition 5 in Oregon was adopted,

69% of the OSU's budget was covered by the State's Legislature, but now it covers only 12%.

The only other way we can pay for the cost of running OSU is to increase tuition. Research overhead charged to our research grants cannot be diverted to run other programs at the university unrelated to the research specified by the proposal. Some universities realized that by recruiting foreign nationals as students, they can reduce the deficit. It also takes up space that could be allotted to native students.

The situation is this; right now, youngsters from families that have limited funds cannot afford to send their kids to school.

A second factor that places a heavy debt load on middle-class families is the system that provides student loans is broken. Privatization of the student loan system has created a usurious system. These private franchises charge exorbitantly for borrowing. New legislation is underway to make direct loans from governmental sources to the student to eliminate usurious practices.

Selina Heppell is going to be the best Department Head I will ever have the opportunity to serve. She is a creative problem solver and a good listener. She has already talked to the students, both undergraduate and graduate students, about their different issues. The undergraduates have been making efforts. They have formed a Text Book Cooperative where text books are donated and rented to students for the quarter. However, there are still students with huge debt loads. I remember one student who told me that she had a debt load of \$30,000 and that she wanted to go back to Hawaii to practice her craft, but understood that the probability of getting a job with Hawaiian DNR was very low. Judy and I decided that for the short term we would like to give students "gifts" to help out with student expenses, be it fees, partial support for the quarter's tuition, field equipment, travel, registration costs to professional meetings. Judy and I have met so many wonderful students that we have decided to donate \$5K a year as an experiment. It may be that there are better ways to help the students in the future.

There may be various ways one can help. Donations are always helpful and welcome. Still, many students have to find a good summer job to make ends meet, yet they need field experience on their resume's and recommendations from professionals when they graduate. They may or may not be able to take on a summer job as an entry level technician during the summer. Are there opportunities for them to get experience in the field during the school year?

This is strictly off the top of my head, Selina is really good at brainstorming. The main point is that there are many ways you might be able to help to

educate students. In the past, you may remember a professional that really set you up for your life's work.

- HIRAM
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MEET THE NEW FACULTY

Rebecca Hutchinson – Assistant Professor



As an undergraduate in the College of Engineering at Bucknell University, I needed to choose among the 5 engineering majors by Halloween of my freshman year. Since I was unsure of

which major suited me best, I started both the electrical engineering and computer science introductory courses, partly because those majors had more flexibility in their requirements to incorporate some of my other interests like music. Having no experience with computer science, it took a substantial portion of the course before it 'clicked' for me, but once it did, I was hooked. Our final lab assignment involved a simple text-based version of a little game in which a little ">" symbol randomly moved around the screen and 'ate cookies.' I asked the professor how we could get it to find the cookies smarter and faster, and he told me that there was a whole field called Artificial Intelligence (AI) that addresses such questions! From this beginning, I participated in undergraduate summer research opportunities at Brown University and Georgia Tech before applying to graduate school to study AI and related fields.

I started the PhD program in computer science at Carnegie Mellon University the fall after earning my B.S.E. in Computer Science and Engineering from Bucknell. I was privileged to have Tom Mitchell as my PhD advisor, who founded and headed the world's first Machine Learning Department while I was at CMU. My PhD work focused on a new probabilistic model for functional Magnetic Resonance Imaging (fMRI) scans of the brain and algorithms for fitting its parameters. Toward the end of my PhD, I began to feel that while brain imaging was certainly fascinating, I was more passionate about finding an application area for my skills in computer science

and machine learning that would contribute in some way to protecting the Earth's ecosystems. I discussed this with my advisor, and he told me that a colleague of his from graduate school was helping to pioneer research efforts in Eco-Informatics and Computational Sustainability. He introduced me to this colleague, Tom Dietterich at Oregon State University, and when Tom invited me to join his group as a Post Doc, I moved to Corvallis to finish my PhD remotely, concurrent with the new position.

In Tom Dietterich's group, I was exposed to problems in ecology and conservation that called for computational approaches. Through Tom's collaborations and the Eco-Informatics NSF IGERT, I connected with researchers at OSU in Forestry, Geography, and Statistics. My research focus honed in on species distribution modeling (SDM) as a problem space with interesting computational challenges and compelling applications. Under Tom's mentorship, I became proficient with a variety of machine learning tools outside my PhD experience, including tree-based methods popular in SDM. After a few years, I was awarded an NSF Science, Education and Engineering for Sustainability Postdoctoral Fellowship to continue my work with Tom and deepen the interdisciplinary component of my research by adding Matt Betts as a mentor, a landscape ecologist in the College of Forestry at OSU. This second phase made my Post Doc rather long (for a computer scientist anyway), but it was a fantastic opportunity to work with great people. Given the change of both technical focus and application area and the length of the Post Doc, I often feel that I got something like a second PhD at OSU, which was a time of exciting growth and expanded perspective for me. Both Tom and Matt are excellent mentors, and I feel lucky to have studied with them!

My current position at OSU is 70% in the School of Electrical Engineering and Computer Science and 30% in the Department of Fisheries and Wildlife. I was hired through the Center for Genome Research and Biocomputing as part of a provost's initiative. This position required candidates to join both a quantitative or physical sciences unit and a life or environmental sciences department. Building on my interdisciplinary Post Doctoral experience has been a great fit for me. I continue to do research at the intersection of machine learning and ecology on a variety of topics in species distribution modeling methodology.

My interest in teaching dates back to high school and college, when I taught piano lessons to a handful of children. I also served as a teaching assistant in both undergrad and graduate school and taught a theoretical computer science course one summer as a postdoc. During my first year as an assistant professor at OSU, I taught Introduction to Artificial Intelligence to computer science undergrads and piloted a course in Fisheries & Wildlife on Machine Learning Topics in Species Distribution Modeling. Both were great fun, and I'm very excited to expand the latter from a readings-based course into a more hands-on skill-based version in the coming years.

Outside of work, my husband, Peter, and I enjoy

hiking with our dogs, gardening, and cooking. I'm also an avid knitter, and I still sit down occasionally to play the grand piano that we've moved from Green Bay, WI to Pittsburgh, PA to Corvallis (plus 2 moves in Corvallis!). We expect time for these activities to diminish exponentially as our first child arrived at the end of October 2016!

Ivan Arismendi – Advisor, Assistant Professor



Growing up outdoors in my native southern Patagonia gave me a deep appreciation for the vast complexities of nature and the delicate balance it has with social, cultural, and political perspectives. This profound curiosity that I gained for the aquatic environment led to my interests of understanding how natural processes and human actions affect ecosystems across multiple spatiotemporal scales. I have a BS in Fisheries Science, a Diploma in Fisheries Engineering, and a Doctorate degree in Forest Sciences.

Achieving major progress and performing transformative science in aquatic ecology, combining conceptual models, long-term empirical information, and data-driven modelling is required. Conceptual models provide a host of hypothetical relationships whereas observational data-driven modeling allows us to finely dissect complex and interacting processes that cannot otherwise be quantified. Through this multifaceted approach, I hope to contribute a novel understanding of the functioning of highly complex freshwater systems under natural variability and human-related disturbances. My research in aquatic ecology has been focused on three main areas including climate change (hydrology and population ecology), food webs, and invasion biology (community and ecosystem ecology).

I am interested in the effects of global environmental change on hydrological processes and their consequences on salmonids. One of my recent publications has shown substantial evidence contradicting a widely accepted hypothesis of increasing stream temperature of streams due to the recent climate warming in western U.S. My research has also revealed that a shorter interval and increased coherence in timing is occurring between annual events of maximum temperature and minimum streamflow over time. Collectively, these investigations

highlight the need for using multiple environmental variables when examining the vulnerability of streams to change. Currently, I am collaborating on research integrating empirical data and process-based simulation models. This is a promising approach to advancing the science of stream ecology that will provide powerful tools to identify and evaluate hypotheses about species responses to natural and human-related disturbances and their restoration. This effort pairs with my present investigations that examine patterns of synchrony among trout population abundances across a variety of spatial scales using long-term datasets from Oregon. It also couples with new research, recently published, linking phenology of fish migration to environmental regimes using long-term datasets from coastal Oregon streams.

I have always been intrigued about how stream food webs can be described using multifaceted metrics that provide an integrated view about complex ecosystem functioning responses to natural and human stressors. In Chile, I used stable isotope analyses and multivariate statistics to examine the positive interaction between the non-native North American beaver and the introduced European brown trout and their influences on invaded ecosystems. Using a similar approach, I evaluated the predation pressure of introduced trout on native fishes in streams. I also examined the influence of marine derived nutrients from introduced Pacific salmon carcasses in food webs on invaded streams.

My research additionally focused on invasion biology in streams and lakes. Biological invasions have created complex ecological and societal issues worldwide and we know little about what processes determine the differential success of invasions. Since 2002, I have been documenting the invasion of salmonids in the Patagonia to identify the main factors driving their success and failure, including human influences, characteristics of the invader, and ecological interactions. By contrasting and integrating the knowledge about the invasion biology of salmonids in the Patagonia and the conservation issues of these species in the Pacific Northwest we can learn more about temperate freshwater habitats and the species that we want to protect and restore.

I envision myself working in a transdisciplinary and collaborative environment promoting links between FW, State and Federal agencies, and tribes. In such a capacity, I serve as 'broker' between disciplines and groups of people, as I enjoy doing. I have a strong commitment to working with colleagues from diverse disciplines. I have collaborations with hydrologists and climatologists about hydrological modelling predictions and the climate variability in the Pacific Northwest and I have been in discussions with managers on issues relating to anthropomorphic sediment in streams. I also hold a Senior Personnel position in the Long-Term Ecological Research at the H.J. Andrews Experimental Forest

(LTER7). I will use these research experiences to help my students think outside of the box. This will be critical training for students that will face a future scenario of a rapid climate change coupled with the increasing human population growth in the region.

I have experience teaching and mentoring students from different disciplines. Teachers have always played an important role in my life. My very best teachers have guided me to use my strengths to the best of my abilities. They taught me the importance of being enthusiastic, approachable, well-organized, considerate, and fervent about teaching. As a U.S. citizen born in Chile and Oregonian by adoption, I am highly motivated to help minority students become interested in streams, bring international students to FW, and to facilitate students from FW in gaining experiences abroad, especially to Latin America. I am a content father of two children, and live with my wife in a bilingual home in Corvallis where we plan to reside for the long-term.

Peter Konstantinidis - Curator of Vertebrates



Until the seventh grade, my life circled around soccer and fishing. I am not sure how it happened but at the age of 14 the order changed and fishing became the most important hobby, thus becoming an ichthyologist was the primary goal.

Growing up in a family with seven siblings was not as much fun as it sounds. My siblings were not amused to have take care of me, and I endured constant mocking! That ended when I outgrew about 50% of them (I am 5'4"). My parents were survivors of WW II and I was exposed to my mom's constant blackmailing to learn a trade before attending a university to become a biologist. She was and still is afraid of the German depression era. I decided to become a bank clerk because working from 9 to 5 sounded amazing, and would secure a lot of spare time to go fishing. I regretted the decision from the first day behind the counter, wearing a tie and having a neatly short trimmed haircut. After three years of trade school, it was time to either join the German forces for 12 months or complete 15 months of Civilian service. I ended up on a farm that was associated with an anthropological Waldorf school for my Civilian service. I was fascinated by the aftermath

rather than the Steiner philosophy. Students were taught in a way to stimulate their creativity, horticulture, pottery and weaving was a large portion of it.

After 15 months of farming and interacting with pupils (who wanted to do anything else but harvest leeks) I went back to school to complete my high school degree, and ended up as an undergrad at the Eberhard-Karls University in Tübingen, Germany majoring in Zoology and taking Botany and Paleontology as minors. Due to the university's good reputation in systematic Zoology and Ichthyology, I decided to stay in Tübingen for my graduate years. Early on, I became active in research and began working on the musculotendinous system of the Mako shark to understand the mechanics behind the thunniform swimming mode, which I ended up submitting as my graduate thesis. After graduating, I received a Ph.D. fellowship from the Natural History Museum in London, UK and enjoyed four years of diverse cuisine (I gained weight!) and great concerts (spent a lot of money!).

Besides the leisure activities, the time in London was a real eye opener in terms of collections based research, and curatorial work. The museum was the place where I was introduced to the incredible and beautiful larval fish diversity that formed my later academic career. The museum had, and still has, a large backlog of midwater trawl samples from around the world. Every time I needed a break from my Ph.D. project "the evolution and ontogeny of complex morphological structures", I began sorting those samples, which were packed full with larval fishes. Initially, I had no idea how to identify the larvae of these midwater fishes but my stubborn nature allowed me after a few months to sort the larvae in to categories, and finally to identify them to family level.

In my final year at the museum, I secured a postdoc fellowship in the category "Evolutionary Biology" from the Volkswagen Fellowship (it did not come with a car). That fellowship brought me back to Germany, and I chose the Friedrich-Schiller University in Jena, a small town in the former German Democratic Republic (GDR) as my postdoc base. The university also has an old tradition in comparative anatomy and many German anatomists are linked with this school (e.g. Ernst Haeckel, Gegenbaur, etc.). The most famous "employee" of the school was the philosopher Johann Wolfgang von Goethe, who discovered the premaxilla bone in a human embryo and concluded that humans are Primates, too!

The postdoc years also connected me to the Virginia Institute of Marine Science (VIMS) in Gloucester Point, where I spent the spring and summer months of my postdoc years in the rivers and estuaries of the Chesapeake Bay. The goal was to collect eggs and larvae of bowfin (*Amia calva*) and Longnose gar (*Lepisosteus osseus*) for my project on the evolution of the jaw musculature in ray-finned fishes (Actinopterygii).

My experience in larval fish taxonomy and

knowing the rivers and tributaries of the Chesapeake Bay secured me a job at VIMS where my time was divided between the curation of an extensive larval fish collection and fieldwork (Blue herring, Atlantic sturgeon, and ichthyoplankton survey).

Here at OSU, I am a curatorial assistant for the fish, bird and mammal collections, and together with the respective curators organize and maintain the collection. I began teaching e-campus classes (317, Mammalogy), and I am in the process to create classes in ichthyoplankton identification and taxonomy as well as a specimen preparation class. The time that I don't spend in the collection, I go for trail runs, try to play my Rickenbacker bass or spend too much time trying to find rare pressings of records of Seattle bands from the 90's.

FROM THE MAILBAG



Ralph Browning – The Dalles, OR

Hi,
I am a 1976 Fisheries Science graduate of the Department. Love your News and Views newsletter! Nothing but great words for the F&W Department for helping me "live the dream" in my career of chasing fish in the great Northwest and Alaska! Keep up the great work!



Dylan Gorman

Hi, I got the postcard in the mail to reconnect with the fisheries department! My name is Dylan Gorman and after

graduating I have been working seasonal Biological Aide positions with the Oregon Department of Fish and Wildlife and NOAA as well as guiding remote fly fishing trips in Alaska! Wow! All because of the awesome degree in Fisheries Science I received through the department. I'm actually moving back to Corvallis this winter to work part time and start working towards a graduate certificate in Fisheries Management through the Department of Fish and Wildlife. I will even be taking a class on campus so I look forward to seeing everyone in the department again!

Jim & Marcia

A 1975 grad (BS, Wildlife Science), now retired (Nov. 2011) from the US Forest Service. I served 34 years in a variety of wildlife and natural resources management positions. Duty locations included: Regional Office (R6) Portland, OR; White River National Forest, Glenwood Springs, CO; San Juan NF, Dolores, CO; Black Hills NF, Sundance, WY; Malheur NF, Prairie City and Burns, OR; Olympic NF, Olympia, WA; and Deschutes NF, Bend, OR (last 15+ years). I am also a US Army Vietnam Vet (1968-70). Married to my lovely spouse Marcia for the past 13 years. She is still working part-time as an oncology RN. We each have 3 grown children residing in Oregon, Minnesota, and Iowa. Traveling is our passion. Plus hunting, fishing, hiking, and photography for Jim.

Morris LeFever - Class of '64

Morris LeFever '64 retired from the US Fish and Wildlife Service in 1994 after 35 years of federal service, including 2 years US Army during Korean War, as the manager of a complex of National Wildlife Refuges. After that, and for over ten years, he was the owner/manager of Habitat Services, an environmental consulting business. He and wife Susan (Swink) OSU '63, continue to enjoy retirement and great grandchildren.



Steve Lewis

I knew at a very young age that a career in fish and wildlife would be my calling in life. I'm passionate about exploring the aquatic and terrestrial environment that surrounds me. That passion ignited me into a ful-

filling career with numerous resource agencies which eventually evolved into my current position with the U. S. Fish and Wildlife Service. My career began in earnest when I participated in the Youth Conservation Corps in the early nineties. When I was completing my Bachelor's of Science degree in wildlife biology at Oregon State University, I served as a seasonal Biological Technician with the U.S. Forest Service in Oregon, Idaho, and Montana to fund my education.

I proceeded to further my education by getting my Master's of Science degree in fish and wildlife management at Montana State University.

My career shifted me to the state of Washington where I formally became a part of the U.S. Fish and Wildlife Service family. I started at Columbia National Wildlife Refuge where my focus entailed wetland habitat management for migratory birds, in addition to upland habitat restoration. For the past 15 years I have been with Ecological Services in north central Washington. I oversee the assessment of hydropower, transmission, and wind power projects in this portion of Washington.

My hobbies are focused on anything dealing with the outdoors ranging from hunting, hiking, and skiing. My true passion is fly-fishing the waters of Montana!

I'm married to my wonderful wife Kate Terrell and together we adopted three rambunctious kids Jonah, James, and Gabby, in addition to our Humane Society puppies Petunia and Talula.



Glenn Quelch

Hi there! Just an update from my part of the world – I graduated in 2015 with the PSM in Fisheries & Wildlife. I'm still working in the European Fisheries Control Agency in Vigo, Spain. Been here since 2010 and did my PSM through the E-Campus whilst I was working – Selina knows me well.

We have been increasing our activities with Third Countries and as I obtained a diploma in the French language this year, I have been working a bit in West Africa. I was in Guinea Bissau in August and next week will go to Liberia. These are capacity-building actions in the region.

Here is a photo of some artisanal 'pirogues' in the small boat port in Bissau. These can have up to

15 crew and stay at sea for several weeks – comfortable living!

Here's a link to the e-book on Amazon and a synopsis – we're still looking for a hard copy publisher!
https://www.amazon.com/Eyes-Seas-Fisheries-Observ-er-Profession-ebook/dp/B01HG4CG2C/ref=sr_1_1?ie=UTF-8&qid=1481015379&sr=8-1&keywords=eyes+on+the+seas
All from me for now! Cheers!
-Glenn

KUDOS

Ann Leen 2016 CAS Classified Employee & Professional Faculty Award Recipient

Doug Reese 2016 R.M. Wade Award for Excellence in Teaching (Sponsored by the R.M. Wade Foundation)/Registry of Distinguished Teachers

Robert Hughes and **Robert Lackey** were inducted as Fellows of the American Fisheries Society at the 146th Annual Meeting in Kansas City, Missouri. They join Jim Hall, David Noakes, Carl Schreck and Hiram Li who were inducted in 2015

IN MEMORIAM

Jim Noyes (Jan. 22, 1951 – Nov. 25, 2016) 65, unexpectedly passed away at his home in Corvallis on Nov. 25. Jim was born to Harry and Diane Noyes in Fergus Falls, Minnesota, where he lived for most of his youth. Following high school he served in the Air Force and eventually followed his family to Oregon where he pursued his passion for nature and the outdoors, receiving his master's degree in wildlife biology from Oregon State University.

Jim met his wife, Cecilia, during their studies at OSU. He worked for the Oregon Department of Fish and Wildlife for 29 years. For most of his career he was located in La Grande, conducting research on elk and cougars.

Jim's life with his wife and daughter was filled with laughter, traveling, camping, music, and sporting events. Bird hunting with his dog and fishing were his favorite sporting pastimes. He adored his wife and daughter, loved his family deeply, and cherished his friends. Jim will be remembered for his thoughtfulness, sense of humor and loving nature. He is survived by his wife of 36 years, Cecilia Noyes; daughter Sarah Noyes; mother Diane Noyes; sister Susan Hager and husband Jim; and brother Robert Noyes and wife Connie.

John Adair (March 10, 1927 – January 4th, 2017) 89, of Corvallis passed away Jan. 4, 2017 at his home south of Corvallis surrounded by family.

A short battle with pulmonary fibrosis took a quick turn for the worse after Christmas, and while it took his wind, it never took his wit. Those who knew him could tell you that a quick five minute visit to drop something off would be followed by a mandatory hour of his storytelling, then with a wink, say that he'd probably laugh if his epitaph read, "he talked himself to death."

John is preceded in passing by his wife Barbara (Pape); and sisters Marjorie Leback and Florence Trudell.

He is survived by four children, Warren and wife Tammy, Robert, James, Catherine Adair Williams and husband Tully; two grandchildren Kristine and Elsa; and many nieces and nephews.

John was born March 10, 1927 in Seaside to John and Grace (Dawson) Adair. He grew up on a farm which spawned his love for the outdoors and the creatures that reside in it, with a particular fondness for waterfowl. He served as a supply sergeant in the army and attended Oregon State College where he both got a degree in animal science and met his future bride, Barbara. He worked 35 years as supervisor at the OSU mink ranch amongst friends who sometimes topped his ability to spin yarns. Among his hobbies were raising waterfowl, woodworking, hunting and fishing. On errands about town he would show his hand-crafted segmented bowls to anyone with time to listen to their stories. Others appreciated the large flower beds, especially dahlias, he planted for Barbara that made the house stand out in summer. The many visitors could expect to leave with bouquets of flowers or fresh produce from the garden. In his final year, he published a book about his travels in Alaska, gathering eggs to start his waterfowl collection.

David Hatch – from Hiram Li

The Hatch family has special significance for the Oregon Cooperative Fisheries Research Unit. David, Carl and I were young Associate Professors at OSU. David worked on problems associated with controlling traffic patterns and potential automobile accidents in the Civil Engineering Department in the early 1980's. I am not exactly sure how we met, but I think I wandered into the Native American Longhouse one afternoon and David was leading a discussion with Native American students. I soon joined him as a faculty sponsor. David had a plan to increase participation with the national chapter of the American Indian Science and Engineering Society (AISES). His thinking was that the students would feel part of a larger movement and that would instill pride. Some of the students were acclimated to the rhythms and competition associated with academic life while oth-

ers were not. Bright youngsters like Eric Quempts, who is presently the Head of Natural Resources for the Confederated Tribes of the Umatilla Indian Reservation, gave generously of their time to act as tutors to help them study strategically. In time, our chapter was always considered for the AISES Chapter of the Year. We won the award twice.

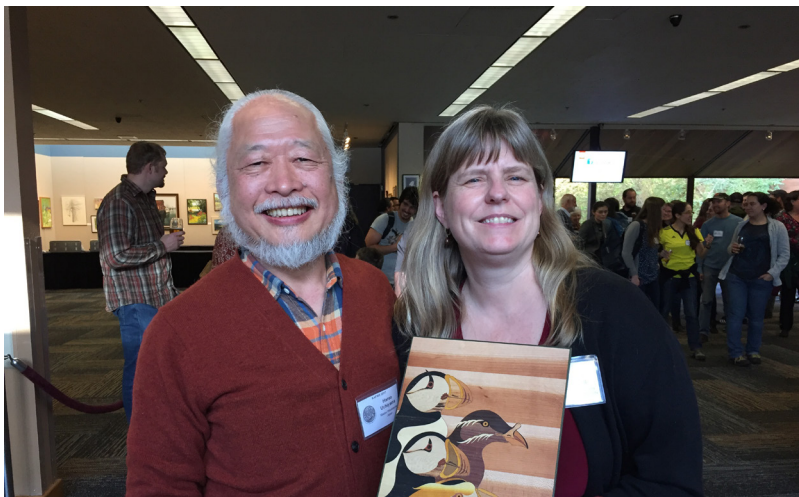
Our connections with the Hatch family grew when David introduced me to his kid brother Keith. Keith taught us about his people, the Siletz and how the U.S. Government delisted lands set aside as reservations through treaties and sold it to timber operators. This happened in the 1960s to many tribes in Oregon. The Hatch family were big factors in regaining some of their land back in the early 1980s. David's talents were well recognized and the city of Portland hired him to design roads and highways to increase traffic flow and safety,

but he always missed the Siletz. He finally built his dream house this past year on the reservation and started to work on his yard. On September 20, 2016, he passed away suddenly.

One of the legacies of the Hatch family is that the Siletz Tribe in collaboration with OSU became the center for work on the Pacific lamprey. This is an iconic resource for Native Americans in the Pacific Northwest.

The Siletz tribe fished and hunted in marine and fresh waters along the central Oregon coast. In 1977 the official status of the Confederated Tribe of Siletz was restored by the federal government and a portion of their reservation lands were returned to them. The day the editor contacted Dave requesting a contribution for his book, this resolution had just been signed by the governor of Oregon.

A sneak peek at RAFWE! Look for more in our Summer 2017 issue!



ALUMNUS TOM RUMREICH HONORED BY OR STATE LEGISLATURE



Kudos to Tom Rumreich, Class of '78, whose dedication to fisheries resources and habitats on the south coast has earned him recognition by the Oregon State legislature.

Meet the Bio: Tom Rumreich by Fishworks - ODFW Staff

When Tom Rumreich was hired by the Oregon Department of Fish and Wildlife, it was five days after he graduated from Oregon State University with a degree in fisheries science.

“Ever since I was 15 years old when I decided I wanted to be a fish biologist, I wanted to do something positive for fisheries resources,” Rumreich said.

And, in this career, as a Salmon and Trout Enhancement Program biologist, Rumreich said he’s had many opportunities to do exactly that.

Rumreich’s goals for the program have always been to educate the public, including children, about fisheries resources, as well as to get people involved in “doing good things for fish.”

His favorite part of the job over the years has been working with children.

One highlight has been a project in which fall Chinook salmon are held and fed for a couple weeks on the campus of Blossom Gulch Elementary School in Coos Bay each year. When released, they travel as small fish a half-mile under the city of Coos Bay. Against conventional wisdom for how salmon will travel, as adult fish they swim back under the city and return to the school’s campus, Rumreich said.

The goal of this project was to create a fishery on the boardwalk in downtown Coos Bay, and it has been an enormous success, he said. Rumreich has witnessed everyone from children to dressed-up workers on their lunch breaks catching salmon from the dock. One of his favorite memories with ODFW happened after the Millicoma Interpretive Center along the Millicoma River east of Coos Bay was completed.

When the first class – senior biology students from North Bend High School – visited it, Rumreich overheard the youths talking, including one who said the field trip there was the greatest day he’d ever had. “There’s nothing better,” Rumreich said. “It’s not about just having fun. It’s about making a difference.”

Tom retired on August 31, after working at ODFW for 37 years, nearly all of them in the Salmon and Trout Enhancement Program. Tom’s passion, enthusiasm, and years of experience will be missed by staff, the community, the thousands of volunteers he has worked with, and the thousands of children and adults who were able to make an enjoyable connection with fish. Thank you, Tom.

Article URL: <http://orstep-re.com/tom-rumreich>



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Our department is growing every year! From bright and promising new faculty, to eager and ambitious undergrads - not to mention everyone in between! The Department of Fisheries and Wildlife at Oregon State University provides comprehensive research, education, and outreach programs related to conservation biology and the management of fish and wildlife resources. Our goal is to provide people with the knowledge needed to make wise decisions on issues of conservation, sustainable use, and ecosystem restoration. We accomplish this through a combination of undergraduate and graduate education, scholarly research, extension education, and public outreach.

In addition to scholarships, donations from our family and friends help fund field courses, Fish and Wildlife

Club activities, professional development opportunities for staff, alumni, and staff events at society meetings, and many other important department activities. If you are interested in helping us support our students' successes, check out the information below! We would like to take a moment to thank all those who have supported us in the past and those who continue to support us. We at the Department of Fisheries and Wildlife thank you for all you do!

To make a donation, please visit our web page using the link provided below. This page contains instructions on how to donate, as well as a list explaining each scholarship we offer to our students.

fw.oregonstate.edu/donate



GRADUATION CELEBRATION

We would like to invite you to join us in celebrating our 2017 graduating students!



Friday, June 16th, 2017
Willamette Park - Rotary Shelter
Corvallis, OR USA
5:00 o'clock in the afternoon



RSVP to fw.news@oregonstate.edu

Department of Fisheries and Wildlife
Oregon State University
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WHAT'S HAPPENING?

We enjoy hearing from alumni and department friends! Send your news and updates to the Editor (Hiram Li), and we will share them with News & Views readers.

Please make any needed email address corrections below. Donations to support our programs and help us keep in touch with you are always very much appreciated!

Checks can be made out to OSU Foundation – Fisheries and Wildlife, or see our Donations link at fw.oregonstate.edu/donate and check us out on Facebook!

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