

2007

**Message from the Department Head:
What's in a Name?**



A couple of years ago we began discussing the idea of changing the name of the department to better reflect the nature of the work that we do. Several names were proposed and debated at a faculty retreat and we finally agreed to field test the name “Fish and Wildlife Conservation Science.” We had a number of reasons for considering such a change. First, the additional term “Conservation Science” was a better description of the research and outreach efforts of our faculty and a better characterization of the curricula we offer at the undergraduate and graduate levels. Secondly, the term “Science” was important because of the persistent belief among some people within the university and among conservation organizations that research and educational curricula related to conserving fish and wildlife resources contains very little science and is more art or guesswork. Third, we believed the name would be more appealing to today’s students because of an increasing interest in conservation as a result of proliferation of media stories and content related to conservation of natural resources. Finally, this name would better differentiate us from the Oregon Department of Fish and Wildlife. Although this is a minor reason, we do

get numerous calls each year from people who think they are calling ODFW, suggesting confusion among the public about the respective roles of these two agencies. This past summer I sent a message to over 200 alumni and stakeholders and all of our students, asking what they thought about a name change—did I get an earful!

About two-thirds of the respondents were supportive of the proposed name and most of those simply said something like “good idea,” or “go for it.” The folks who were not supportive of the idea provided substantial and insightful comments. Seventeen alternative names were proposed by 25 respondents.

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Folks offered numerous reasons not to change the name or specific concerns about the name we had proposed. Many simply thought that a four-word name was too long. Several people observed that simply changing the name will not change the opinion of the folks who think we don't do science. Joe Greenley observed "Those people have a problem, and it is probably a bad case of ignorance or worse, and a name change won't help that." Many were simply opposed to a name change because of the department's rich history under the current name. For many, the insertion of "Conservation" was a concern that some would interpret as moving away from **managing** fish and wildlife resources to **preserving** these resources. For example, Jim Martin wrote, "for some, the insertion of Conservation Science will be read as code for endangered species as opposed to fisheries and wildlife management....and that has connotations as well." I will place all the feedback I received about the proposed name on the department head webpage:

(<http://fw.oregonstate.edu/About%20Us/depthead.htm>). I encourage you to look at the comments; it is clear to me that our students, alumni, and stakeholders care about this department. So, where are we? Well, after careful consideration of all the feedback we received and a long discussion at a recent faculty retreat, we are back with another name to field test. The revised proposed name is "Fisheries, Wildlife, and Conservation Biology." So, what do YOU think? Please send your comments regarding this proposed name to me at my email address (daniel.edge@oregonstate.edu). I look forward to hearing from you and continuing the discussion.

Dan Edge

News and Views is an alumni newsletter published annually by the Department of Fisheries and Wildlife at Oregon State University.

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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 james.hall@oregonstate.edu

Nash Hall gets a facelift

(from the *Corvallis Gazette Times* August 24, 2007)

When Nash Hall was built on the Oregon State University campus in 1968, two huge concrete slabs were stored between the sixth-floor ceiling and the roof in case the building was ever expanded from six to eight stories. What seemed like a good idea decades ago has become a nightmare in an era of increased earthquake awareness. With shaking from a huge quake, the extra 6.8 million pounds could cause the building to "pancake," or collapse from the roof down. A \$1.6 million project to stabilize Nash Hall started in July, and adding steel pins, frames and concrete to three of its corners should be wrapped up before fall term starts [it wasn't; it's still noisy in late-November], said John Gremmels, design and construction senior project manager for Oregon State University. "It is a major contribution to the safety of our students and faculty," OSU President Ed Ray said during a presentation about the project on Thursday. He added that at any given time, about 500 students could be in Nash Hall [never mind the faculty], which is home to fisheries and wildlife and microbiology programs. This likely won't be the last seismic upgrade of a building at OSU. A massive subduction zone earthquake offshore is a when, not an if, and the Oregon University System is trying to prevent catastrophes by upgrading campus buildings. The Nash Hall project included \$1.4 million from a Federal Emergency Management Agency grant.

Honoring Howard Horton

The 2008 Issue of News and Views will be dedicated to Howard Horton and his long career (which continues to this day). Since retirement, Howard has served as Technical Advisor to several Judges of the U.S. District Court in both Oregon and Washington, currently advising Judges James Redden and Garr King. He also continues to serve as Oregon's representative on the North Pacific Research Board headquartered in Anchorage.

Please send reminiscences of Howard and comments on how he influenced your life and career. Send your letters by May 1 to Dan Edge, Department of Fisheries and Wildlife, Nash Hall 104, Oregon State University, Corvallis, OR 97331-3803 or e-mail to daniel.edge@oregonstate.edu

\$1.5 million gift creates 'Watchable Wildlife' chair

(from *OSU This Week*, November 7, 2007)

An Oregon State University graduate who coined the phrase “watchable wildlife” has left an estate gift worth more than \$1.5 million to the OSU Department of Fisheries and Wildlife, permanently endowing the Bob and Phyllis Mace Watchable Wildlife chair and an annual scholarship fund. Bob Mace died in November of 2006; he was preceded in death by his wife, Phyllis. The gift extends the financial support the Maces provided OSU during their lives, enabling the university to continue research and promotion of issues related to “watchable wildlife”—the phrase Bob Mace first used in 1979 to describe small animals and birds, which until then had been called “non-game.” Mace, a 1942 OSU fisheries and wildlife graduate, was the deputy director of the Oregon Department of Fish and Wildlife at the time, and the phrase he coined has permanently changed the way people think of birds and small animals—everything from raccoons to salamanders to butterflies. It is now used extensively by government wildlife agencies on the local, state, and federal level. “Bob believed that a more positive way to refer to these species—so many of which are admired by nature lovers—would foster the respect they deserved,” said Bruce Dugger, an assistant professor at OSU who holds the Mace Watchable Wildlife Chair. Starting in 1997, Mace and his wife, Phyllis, a 1943 graduate of the OSU College of Science, made annual gifts to support a faculty position and scholarships in watchable wildlife at the university. Their estate gift expands that support, creating an endowment for the Watchable Wildlife Chair and an annual scholarship fund for students majoring in fisheries and wildlife. The chair provides annual resources for the faculty member to use for research and outreach on issues related to “watchable wildlife,” said Dan Edge, head of OSU’s Department of Fisheries and Wildlife. The Mace Watchable Wildlife Chair is a five-year appointment. As the holder of the Mace chair, Dugger focuses much of his research on wetland birds and is conducting workshops on wetlands management for wildlife. He also helped established the Mace Watchable Wildlife website, which includes a roster of “citizen science” opportunities and, for the first time, compiles on a single website a range of watchable wildlife options throughout Oregon. The Web site address is <http://fw.oregonstate.edu/mace>

News from the Club

Sonoran Spring

The Fish and Wildlife Club (aka Fin and Antler Club) annually takes an educational trip during spring break. Last year the Club took 29 students to explore the ecosystems of the Sonoran Desert and upper Gulf of California. This area was selected because it has the greatest diversity of vegetative growth and receives more rainfall than any other desert in the world. As a result, wildlife is diverse and abundant, although many species are on the endangered species list. The Sonoran Desert serves as a critical environment for mountain lions, Mexican gray wolves, golden eagles, several bat species, and the banded Gila monster. Hundreds of bird species live in the Sonoran desert as well, making it one of the best places for bird watching in the world. The Gulf of California (Sea of Cortez) is listed among the world’s top five seas with regard to productivity and biological diversity. The week-long trip required year-long planning and fund-raising by the Club Leadership Team. They raised about \$16,000 in 5 months. Contributions came from the OSU Fish and Wildlife Endowment fund, the Wildlife Society Oregon Chapter, American Fisheries Society Oregon Chapter, Jeff Allen Conservation Fund, E. R. Jackman Foundation, student contributions, and a range of other fundraising/sales activities.

The trip started at the Arizona-Sonora Desert Museum in Tucson with a presentation on Sea of Cortez biodiversity and conservation issues by Dr. Rick Brusca, Executive Director of the Center for Sonoran Desert Studies, followed by a tour of the Museum, and a wildlife observation hike in Saguaro National Park. The next day Gavin Bieber, Senior Leader, Wings Birding Tours Worldwide, donated an area tour and hike that included birding, natural history, and conservation issues of Madera Canyon and other sky islands in Coronado National Forest. The third day involved crossing the border into Mexico to stay at the Intercultural Center for the Study of Deserts and Oceans (CEDO). Students participated in a desert hike with CEDO biologists to explore desert adaptations of wildlife, followed by a bird survey with CEDO researchers at Estero Morua estuary. The next day they traveled with CEDO biologists by boat to an island where they conducted snorkel observations of sea lions, sea birds, and tropical fishes. While in Mexico, the group volun-

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From the Mailbag

Stan Smith '43 writes: Dan, you people are doing a great job, and here is a contribution to keep the News coming. I sometimes wonder why "Fish" was changed to "Fisheries" in the name of the Department, as the education is about fish rather than the more limited field of fisheries. Just the opposite was the change from "Game" to "Wildlife", which reflects the education about all wild animals, not just game animals. ??? In the beginning Prof. Dimick taught mainly about fisheries and about game, but times have changed.

Prof. Dimick was the most inspiring person I have ever met. Within minutes of meeting him I went over to the office of the Registrar and E.B. Lemon signed me up. All that was needed for admission was high school graduation; everyone was accepted and tuition was \$0.

When it came time for me to leave for college, my parents gave me a \$20 bill and a Gladstone suitcase that must have cost \$5 at Sears. It contained all my worldly belongings. Between washing dishes for board, doing chores for a basement room, and doing odd jobs for 25 cents an hour (including at the Fur Farm), that \$20 bill grew into a most rewarding career in fish (not fisheries) research. Thanks for keeping up the good work.

On hearing of Bob Mace's final illness, **Austin Hamer '42** wrote: Hi Dan— Sorry to hear about Bob Mace. He is several years younger than I am. When I came back to college for the winter term of 1938-39, my wife and I rented a room at his house. His mother gave us kitchen privileges. I remember Bob and his brother, Jack, so well. They were easy to get along with and both studied hard and long. We graduated in the same class—1942, and Bob became a Naval Cadet. I went to work for the Oregon Game Commission, and when Bob returned from service I recommended him for a job there. Hope he is doing better than expected. Best regards.

Heard from **Don Trethewey M.S. '70** in Kamloops, B.C.: I manage to keep active. Had my 70th birthday last month — can't believe that it's been 40 years since I enrolled at OSU. I belong to the Kamloops Fly Fishers and the Kamloops Fish & Game Club, which are both affiliated with the B.C. Wildlife Federation (our provincial association of rod and gun clubs). I'm currently president of Kamloops Fish & Game (until our Nov. AGM), and have recently served a 4-year stint on the board of directors of the provincial federation. I also sit on the local committee

of the federal Dept of Fisheries and Oceans' Sport Fishing Advisory Board.

I don't hunt much anymore, but I do go fishing as much as possible. When one has the world's best stillwater angling at one's back door, it's hard not to partake.

Pat O'Donogue '77 sent a nice contribution and note: Thanks for the latest edition and the update on all the "happenings" from those on and off campus. It is truly a pleasure to receive "New and Views" and keep in touch with that part of my education that I most treasure and that helps form a core element of who I am.

I recently retired from the U.S. Marine Corps after "29 years and change". My last duty was as Commanding Officer, Headquarters and Support Battalion, Marine Corps Base, Camp Pendleton, California. I am now working for L-3 Communications Titan Group in San Diego and enjoying the transition to civilian employment. I must admit though, that like many, I feel like I'm leaving in the middle of the fight, as our many comrades and fellow citizens continue to perform magnificently overseas and in combat.

I have been volunteering and intend to volunteer more with local Audubon chapters and Nature Conservancy reserves in the local area in an effort to develop more expertise so that I can be of lasting value to various environmental causes that affect our local, state, and national well-being. Eventually I would like to work for a natural resource conservation group in whatever capacity they think I could be of use. We shall see.

I am pleased that the strength of the Fisheries and Wildlife programs continues unabated. My congratulations to the Department Head, faculty, and staff for their tenacity and perseverance in keeping OSU in the forefront of fisheries and wildlife education, research, and practical management.

Wayne Bowers '72 says: Enclosed is a check to help with the publishing costs of News & Views. The last issue was great. I particularly enjoyed the Mailbag letter from Clara. The Department has certainly come a long way since her time. My goodness! There are even women on the faculty.

Chris Nelson '55 writes: I suspect you are still interested in acquiring "historical photos", so as I was redoing an old photo album I decided that they would be more valuable in your possession than mine. [Sorry, Chris a software glitch prevented me getting

one in here; hope for next year --ed]. My thesis in 1955 was on sage grouse. Audubon Magazine had a special on the Sage Grouse that may be of interest to you. Keep up the good work.

Rollie Rousseau '58 writes: I retired in 1991 from ODFW. Have served since 1991 as Oregon Commissioner on the Pacific Salmon Commission—the treaty commission between U.S. and Canada. Really look forward to News & Views. Keep up the good work.

Rick Hafenfeld writes: I attended OSU from 1961 to 1964, graduated with a B.S. in Wildlife from Humboldt State and an M.S. in Range Management from U.C. Davis. I have spent most of my career working for the Bureau of Land Management and the U.S. Forest Service. For most of the past several years I have been located at the Smokejumper Base in Missoula, Montana. I have had two really great jobs in the Northern Region as the Assistant Director for Fire Operations, with the most recent three years as the Regional Aviation Officer. Between these two positions I served three years on the Salmon Challis National Forest as the Operations Staff Officer. My wife Patty (Cal Poly and Davis) is a staff officer on the Beaverhead-Deerlodge National Forest in Dillon, Montana. We commute weekends to a small ranch, probable future retirement homestead, in Lemhi, Idaho. We have three children, all married, and eight grandchildren. Enclosed is a few bucks to help with News & Views.

Word comes that **Fred Lindzey Ph.D. '76** is newly appointed to the Wyoming Game and Fish Commission. Fred is a Professor Emeritus from the Department of Zoology and Physiology at the University of Wyoming. He has been involved in the wildlife profession for more than 30 years as an educator and researcher. Fred and his wife manage a small hay ranch and bed-and-breakfast in Laramie, and he is also a board member of Idea Wild, a non-profit organization with the goal of assisting young wildlife researchers in developing countries.

Jim Yoakum M.S. '57 wrote from Verdi, Nevada to say: Research on pronghorn/predator relationships continues for the 12th consecutive year on the Hart Mountain National Wildlife Refuge, and I plan to make another trip to assist in May of this year [2007]. It is one of the longest continuous pronghorn/predator investigations in North America, providing data of value for wildlife management in other regions.

Becca McCloskey '03 wrote to Rebecca Goggans, our Intern Coordinator [who helped Becca get her first internship]: I started at Wildlife Safari about three and a half years ago. They had let the cheetah breeding program slip and hired me to help fix it. They hadn't had any cubs in 7 years. I took the knowledge and contacts I had made at the Cheetah Conservation Fund internship and put together a breeding plan. Five months later we had a litter of cubs. Since I started we have had 15 cubs.

I've been really happy. I love my job. Lots of it is gross stuff, but bottle feeding an abandoned cheetah cub makes up for all of it. Right now we have a one-year-old cub who we are training to be an ambassador cat. She walks on a leash and goes to events with us to represent the park and cheetahs as a species. She has training sessions three times a day.

I began a cheetah internship program here at Safari to help students break into the field. It will be posted on the Association of Zoos and Aquariums website (AZA.org) under job postings. It's a 3-month unpaid internship, housing is provided. Feel free to tell students about it if you feel they'd be good candidates. Thanks for the email, it's really nice to be remembered. Hope everything is going well.

John Richards M.S. '74, recently retired as a Sea Grant Marine Advisor at UC Santa Barbara, came by this summer and dropped off a copy of a recent publication from his program. Was great to see you, John.

Your editor had a chance to talk on the phone to **Jack Walker '57**. Fifty years later he remembers fondly how helpful Prof. Dimick was when he needed a job to stay in school. Even though Jack was determined to be a fighter pilot [he served 21 years in the Air Force], Prof. found him a job in Alaska that allowed him to stay in school and reach his goal.

We heard from **Francis Ives '49** daughter Jody that a gala celebration is on tap for his 90th birthday. All are welcome on Saturday Feb. 23, 2008 at the First Christian Church, 602 SW Madison Ave. in Corvallis. The open house will run from 3-7 pm. Finger food; cards only; call 541-990-7555 with questions.

Dave Narver '56 is still stirring things up. In spite of a couple of small strokes in the fall of 2006, "I still managed to get a 5-point bull elk and a week of goose and ducks in Saskatchewan in between the two episodes. More importantly 100% recovery, NO spirits since Oct. 20 (Scotch manufacturers are frightened!), and I have lost 15 lbs since New Years. Have already planned all my hunting and fishing trips for 2007.

Hiram and Judy Li retire

Judy reflects on her career:

I think of myself as a stream ecologist with a particular interest in invertebrates. My research has included several studies examining the role of invertebrates (aquatic and terrestrial) in the diet of fish, birds, and salamanders. These studies have taken me on collaborative ventures into the John Day, Imnaha, and Umatilla basins of eastern Oregon, the Umpqua, McKenzie, Wind River, and multiple locations in small streams of the Cascades and Coast Range. Working with a total of 17 graduate students over my 16-year career in these places has been truly gratifying. I continue to work on multidisciplinary studies in western Oregon, in long term studies where we are examining the effects of logging in headwater streams and the influence of conservation practices in agricultural floodplains. Who would have thought bugs could carry me so far? In research and in teaching I could never have pursued so many directions without the steady support and good advice of my research assistants, students, and faculty mentors.

Collaboration with colleagues has led to fruitful and rewarding associations across campus and in professional organizations. Working with colleagues in the baccalaureate program Difference, Power, and Discrimination; serving on the Editorial Board of the OSU Press; advising students of color from a range of majors and backgrounds have all expanded my appreciation for a diversity of perspectives. Associations with LTER, BLM, USFS, USGS, ARS scientists, stream ecologists at NABS (that's the North American Benthological Society), and fisheries biologists at AFS have broadened my thinking immeasurably.

Teaching and advising undergraduates has provided opportunities for creativity and developing new skills. There were field classes, classrooms with big enrollments, honors classes, and small groups where finding the right approach was always an exciting challenge. My course on Multicultural Perspectives in Natural Resources, begun with external funding, opened the way for producing a 28-video course that permitted me to travel to spectacular locales, museums, and archives that enriched my education as well as serving my students. More recently those interests provided the impetus in publishing an edited volume of essays *To Harvest, To Hunt* for the OSU Press. At present, retirement seems to be about choosing opportunities for doing many of these things that continue to excite me.



Among the awards and recognition that Judy received during her illustrious career are:

National Association of State Universities and Land Grant Colleges USDA Western Region Excellence in Teaching Award (2005)

OSU College of Agricultural Sciences: R. M. Wade Award for Excellence in Teaching (2004)

OSU Women's Center: Woman of Achievement (2003)

Agricultural Communicators in Education: Gold Award for Educational Project, Credit (2003)

OSU College of Agriculture Oldfield Team Research Award: Stream Team (1991), Pacific Northwest Ecological Consortium (2001); Loop Analysis Group (2002)

Special Recognition by American Women in Science as a mentor for women, 25th Anniversary Celebration, OSU, Jan 14, 1997

Nominee, OSU College of Agriculture: Presidential Award of Excellence in Science, Mathematics and Engineering Mentoring, National Science Foundation (1996)

MANRRS (Minorities in Agriculture and Natural Resource Related Sciences)
Parliamentarian 1996-1997; Advisor, Oregon Chapter (1994-2001)

North American Benthological Society, Executive Committee Chair (2004)

Hiram on Hiram

Hiram Li graduated from UC Berkeley, where his undergraduate advisor was Starker Leopold. At Berkeley, he also met Robert Behnke by taking a class in Ichthyology. There were only 5 students in the class, but all went on to get Ph.D. degrees, including his best friend, Carl Schreck. Both students continued their education at Colorado State University as Dr. Behnke's first students. Carl continued at Colorado State, while Hiram matriculated at UC Davis under the supervision of **Robert Brocksen '64, M.S. '66, Ph.D. '69**, a former student of Charles Warren. As a result, he was inculcated in the Oak Creek approach to bioenergetics. He, Peter Moyle, and Joe Cech were hired as Assistant Professors at Davis in the early '70s. Hiram and Peter collaborated on several papers concerning the problems that invasive species imposed on native fishes. Learning of an opportunity to collaborate with Carl Schreck, he became the Assistant Unit Leader of the Oregon Cooperative Fisheries Research Unit in 1979 and has shared projects, publications, and ideas.

His research interests have been diverse, in part because he was influenced by so many outstanding scientists. He has published over 70 studies on the following topics: bioenergetics of fishes and invertebrates, predator-prey interactions among zooplankton and among fish and invertebrate prey, optimal foraging by trout, problems from exotic introductions, mathematical analysis of ecological communities, population dynamics, molecular analysis of salmonid population structure, global climate change, fish physiology and autecology. However, his most influential work resulted because of the advice of **Jim Lichatowich '69, M.S. '70**, "Study the John Day watershed. It is an important watershed and you can contribute most to fish conservation by understanding how it functions". He and his students and colleagues observed that disturbances fragmented the River Continuum, that populations of fish persisted because of "cold water refugia". They learned that studies of watersheds contained greater meaning if conducted at the level of the Riverscape, defined as the expanse of the watershed required by the life history of the species of interest. This enabled the observer to see patterns in context with its surroundings and linked different reaches of the river to life history. They designed their studies to examine anomalies or inflection points, thereby integrating a study of patchiness in relation to the stream con-

tinuum. Finding coldwater refuges for salmonids, for instance, was an indicator of disruption or disturbance. Study of the John Day basin required them to view ecological patterns from the level of the macroscope (remotely sensed imagery) to the microscope (electrophoretic patterns of heat-shock proteins). His inventive and enthusiastic students revealed to him how to integrate levels of biological organization to interpret ecological patterns. As a result, Hiram's five most cited publications are all related to lessons learned from the John Day Basin. Throughout his career, sharing ideas and working by his side was his wife Judy. They co-authored seven publications and blended a wonderful marriage with a satisfying career.

The great joy for Hiram was the success of his graduate students. Fifty-two students graduated with his guidance. Twelve of his students hold academic appointments. The rest are employed by state or federal agencies. Several have won awards as distinguished scientists. He was dedicated to increasing educational opportunities for the rural poor and Native Americans from the Pacific Northwest. He recognized that increased diversity of background was important to the profession. Twenty percent of his graduate students were African Americans, Native Americans, and students of Hispanic background. Twenty percent of his students were women.

Among his 25 awards, he cherishes those from the parent chapter of the American Fisheries Society for distinguished teaching, and for his mentoring students from diverse backgrounds. He was also delighted for being recognized for Scientific Excellence by the Cooperative Research Units Program of the U.S. Geological Survey.

Of his private life little is known except for his love of canoes, banjos, ukuleles, friends, and family. Brother Stacy is a fisheries biologist, as is nephew Matt Dekar. Both hold Ph.D. degrees.

Bruce Coblenz and Doug Markle also retire (sort of)

Both Bruce and Doug have declared retirement, but neither can quite stay away. Bruce is teaching this term (though Fall Term will probably be his last). Doug is no longer teaching, but is working full time on a research grant. Bruce joined our faculty in 1975, and Doug came on board in 1985. Look for profiles of their careers in next year's edition of News & Views.

Noted OSU Fisheries Researcher Honored with Presidential Award

(From OSU News Service, November 26, 2007)

Carl Schreck, an Oregon State University scientist acknowledged as one of the leading salmon researchers in the country, has been named the recipient of a Meritorious Presidential Rank Award. He will be presented the award at the White House in April. Schreck, who is employed by the U.S. Geological Survey, leads the Oregon Cooperative Fish and Wildlife Research Unit at OSU.

"His contributions to fisheries science are unparalleled," said Dan Edge, head of the OSU Department of Fisheries and Wildlife and a member of the Oregon Fish and Wildlife Commission. "He helped pioneer the use of genetics in managing fish species and his research into physiological stress on fish has led not only to better scientific understanding, but new management practices."

For the past 35 years Schreck, who is a professor in the OSU Department of Fisheries and Wildlife, has been studying the biology of fishes. He developed a "performance concept" of stress in fish that outlines how genetics dictate fish response to environment stressors including contaminants, water temperature, and oxygen levels. He also was one of the first researchers to link stress from environmental conditions to decreases in fishes' reproductive success. Poor habitat conditions—whether in hatcheries or in the wild—include low water quality, over-crowding and poor nutrients.

His studies of juvenile salmon and steelhead in the Columbia River, using miniature radio tags, helped identify terns and gulls as surprisingly voracious predators of the smolts. Schreck's research also led to new understanding of how juvenile salmon use large and small estuaries to prepare for their life in

the ocean – using the estuaries to grow and improve their ability to survive. His studies of stress in fish have led to numerous new management practices in hatcheries – including handling techniques that minimize the use of chemicals and hormones. Schreck developed educational and training programs for applying these techniques, and spearheaded a campaign to disseminate the information to developing countries.

An OSU faculty member since 1975, Schreck is a graduate of the University of California at Berkeley. He has Master's and Doctoral degrees from Colorado State University in fisheries science and physiology. Schreck has served as major professor for more than 70 graduate students at OSU, and hosted 14 post-doctoral fellows from the United States, Japan, Norway, France and Canada. He also has mentored several Native American graduate students and supported a creative project to provide paid summer internships for 10-12 tribal high school students to attend summer classes at OSU. "Carl is deserving of every accolade he receives," Edge pointed out. "He is an inspiration to our students—and to our faculty."

Schreck, who has edited three books and written 250 scientific articles and many outreach publications, received a Meritorious Service Award from the Secretary of the Interior in 2003. He was named Educator of the year in 2000 by the American Fisheries Society, and has received numerous other honors.

The Meritorious Presidential Rank Award is given to a handful of senior executives and leaders by the president each year. Carl is one of only two scientists in the Department of the Interior to receive the award this year.

We're Number 1 (and 2)

A study published in the November 16, 2007 issue of the *Chronicle of Higher Education* reports on an objective ranking of the productivity of faculty in graduate programs at the top research universities in the country. We are proud to say that OSU ranked **#1** in Wildlife Science and **#2** in Fisheries Science, compared to all other Universities in the U.S. The rankings are based on the number of books and journal articles published, the number of times those are cited by other researchers, the amount of federal grant dollars, and honors and awards.

Other highly ranked Wildlife programs were Texas A&M, Univ. of Minnesota, Univ. of Massachusetts, and Michigan State University. On the Fisheries side, University of Washington was ranked first, followed by OSU, Utah State University, Univ. of Minnesota, and Texas A&M. Earlier this year OSU was ranked number 1 in Conservation Biology, another discipline in which our Department is a major contributor.

Way to go folks!

More Kudos

Not surprisingly, your Department continues to receive a disproportionate share of awards handed out by the College of Agricultural Sciences. At the October 30, 2007 Faculty and Staff Day, 4 of the 13 individual awards went to our faculty:

Patricia Kennedy received the Briskey Award for Faculty Excellence

Sam Chan received the CAS Excellence in Extension Education award

Stan Gregory received the Agricultural Research Foundation Distinguished Faculty Award

Dan Edge received the ARF Leadership Award

A new feature on campus is a series of banners "Faces of OSU" that celebrate faculty, staff, students, and alums. Three of our faculty have been honored by having their faces "writ large" on campus: **Stan Gregory**, **Judy Li**, and **Bruce Mate**.

At the September 2007 annual meeting of the American Fisheries Society in San Francisco **Carl Schreck** received the Western Division American Fisheries Society Award of Excellence.

Also honored at the American Fisheries Society annual meeting were Graduate Student **Julie Henning M.S.'05** and her coauthors **Bob Gresswell** and **Ian Fleming** for the best paper published in 2006 in the *North American Journal of Fisheries Management*.

At the annual meeting of The Wildlife Society in Tucson, AZ in September 2007 **Rebecca Goggans M.S. '86**, our Internship Coordinator, received the award for Student Chapter Advisor of the Year.

Other recognition for members of the Department: **George Boehlert**, President-elect, Western Association of Marine Laboratories

Katie Dugger, Cooper Ornithological Society, Board of Directors

Dan Edge, Vice-Chair, Oregon Fish and Wildlife Commission

Sue Haig, Editorial Board, *Conservation Genetics* Associate Editor, *Conservation Biology*

Selina Heppell, Aldo Leopold Environmental Leadership Program Fellow, Editorial Board, *Ecological Applications*

Bob Hughes, Environmental Stewardship Award, North American Benthological Society; President, Western Division American Fisheries Society

Robert Lackey, Associate Science Editor, *Fisheries*; Editorial Board, *Renewable Resources Journal*

Doug Markle, President, Gilbert Ichthyological Society

David Noakes, Editor-in-Chief, *Environmental Biology of Fishes*; Editor, *Fish and Fisheries*; Editor, *Developments in Environmental Biology of Fishes*

Doug Robinson, Associate Editor, *Journal of Neotropical Ornithology*; Associate Editor, *Avian Ecology and Conservation*

David Sampson, Editorial board, *Fisheries Research*

Carl Schreck, Editor for the Environment, *Diseases of Aquatic Organisms*; Editorial Board, *Aquaculture*

Our graduates also received honors in the past year:

ODFW Recovery Planning Specialist **Jay Nicholas, M.S. '77** was inducted into the Wild Salmon Hall of Fame during an awards banquet in Bremerton, Wash., September 23, 2006. Nicholas was selected for this distinguished award from dozens of nominees from throughout Alaska, Washington, Idaho and Oregon. The Hall of Fame honors and celebrates individuals and/or teams who have demonstrated over time actions that have inspired and which continue to guide a passion for the preservation and recovery of abundant and diverse wild salmon populations throughout the Pacific Northwest. The award is administered through the Pacific Northwest Salmon Center headquartered in Washington State. And inducted in 2007 was Distinguished Graduate **Jim Lichatowich '69, M.S. '70**.

Ed note: I am sure other alumni received recognition in the past year, but we can't toot your horn if we don't hear about it. Don't be bashful. Your friends would like to know.

And thanks and a pat on the back to the more than 200 donors who gave \$132,000 to support Department programs in the 2006-2007 fiscal year. See the list on page 10. (And my apologies for any unintentional omissions.)

Thank you, Donors

The following individuals and organizations generously supported the Department with donations received between July 1, 2006 and June 30, 2007

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Registry of Distinguished Graduates

Robert M. Hughes, A.B. 1967, University of Michigan.; M.S. 1973, University of Michigan; Ph.D. 1979

Bob is a Research Professor in the Department of Fisheries and Wildlife. His research has been in the forefront of developing methodologies to detect anthropogenic disturbances within catchment basins. He and his colleagues combined elements of landscape ecology, the concepts of ecoregion classification, and the Index of Biological Integrity to form a rapid assessment of the relative potential of catchment basins to support native biodiversity. Through group effort, he and his colleagues developed the EMAP protocol (EPA's Environmental Monitoring and Assessment Program) and introduced statistical designs that became *de facto* national standards for monitoring habitat quality. His work is widely cited and is well recognized internationally. He has been very productive, publishing nearly 100 scientific studies and syntheses and editing books concerning monitoring and species indicators. He has done extensive service as a consultant and cooperator in international research projects assessing habitat quality.

Bob has served the American Fisheries Society in a variety of capacities. He was President of the Oregon Chapter (1994-1995), President of the Water

Quality Section (1999-2001) and is currently President of the Western Division, also serving on the National Governing Board of the Society. He also serves as a member of the Oregon Watershed Enhancement Board's Independent Multidisciplinary Science Team (IMST).

Bob is a forceful and well spoken advocate on conservation issues. He is effective because he lets the facts stand on their merit. He has high ethical standards and is willing to lead when situations become sensitive. For this, the North American Benthological Society presented him with its Environmental Stewardship Award in 2006. He has also received several awards from the Environmental Protection Agency.

The Registry of Distinguished Graduates

is intended to recognize a select few of our alumni who have made major contributions to the field of fisheries and wildlife, and who have achieved distinction in a career in natural resource education, research, or management. Please consider nominating someone from among our graduates with at least 20 years of experience in the field. Nominations should describe the highlights of the nominee's professional career and could include a resume. A committee composed of faculty and alumni will review the nominations and select the next year's additions to the Registry. Please send your nominations to Dan Edge by March 1, 2008.

Department Scholarship Funds Increase

The Department has seen a significant growth in Scholarship funds in the past year, in addition to the **Bob Mace** bequest noted on page 3. Bequests and gifts from our graduates have also endowed the **Neil Armantrout** Graduate Fellowship for a student conducting research on wild salmon, and the **David Marshall** Scholarship for a graduate student in wildlife.

In addition, two new scholarships will honor retired faculty members:

Last year **Jim Graybill '64, M.S. '68**, who had worked with **Howard Horton** on his M.S. research, contacted us about establishing a fisheries management scholarship in Howard's name and offered \$20,000 to establish the scholarship. The department agreed to match Jim's gift up to \$10,000 and when we spoke to Howard about the scholarship, he said that he and Jeannine could also provide \$10,000. Thus, in a very short period of time, we were able to reach and exceed the \$25,000 minimum required to establish a named scholarship. If you would like contribute to the Horton Scholarship, you can go to the OSU Foundation website (https://osufoundation.org/giving/online_gift.shtml). Under the first designation, use the pull-down bar and go to "Scholarships and Fellowships." In the comment box on the next page, enter Howard Horton Scholarship, Fisheries and Wildlife. Alternatively, you can write a check payable to OSU Foundation, with the scholarship designation in the memo line and mail it to OSU Foundation, 850 SW 35th Street, Corvallis, OR 97333. The first Horton Scholar will be selected this winter term.

The **Charles E. Warren** Award for Ecology and Sustainable Societies will be awarded annually by the

Department of Fisheries and Wildlife to an Oregon State University graduate student for research that advances understanding of sustainable relationships between humans and their natural environments. Preference will be given to projects that integrate ecology, political economy, and environmental justice in the quest for sustainable relationships between communities and their natural resources. The award is established in memory of Charles E. Warren, whose wide-ranging interdisciplinary research and teaching interests included ecology, resource management, social theory, philosophy of science, and ethics. He inspired a generation of graduate students who, through their research and teaching, are contributing to understanding sustainable relationships between human societies and natural environments throughout the world. Charles understood that, in managing natural resources, we are also creating and recreating the cultures, communities, and institutions essential to human flourishing. This award is established by his family, who invite contributions. The Department will match all new contributions up to a total of \$10,000, and the scholarship will be offered when the fund reaches the required minimum of \$25,000.

What will you Oregon residents do with your "kicker" this year? [for you non-Oregon residents, our state has the quaint custom of refunding "excess" income tax revenue, defined as anything over the projection made more than two years earlier. This year the refund will represent nearly 20% of tax paid.] Consider aiding a worthy cause with a portion of yours.

Departmental Scholarship Recipients 2006–2007

Undergraduate

Karl Fairchild—**Carl and Lenora Bond** Scholarship, \$500; for a Junior or Senior with leadership abilities; a new award this year.

Josh Williams—**Roland E. Dimick** Memorial Scholarship, \$2,000; for Sophomores who have been in the Department for at least 3 terms; based on Freshman performance; awarded since 1980.

Donna Fouts—**Lee Wallace Kuhn** Memorial Scholarship, \$1,000; for Juniors or Seniors emphasizing wildlife; awarded since 2005.

Natalie Houk, Keely Lopez, Schttt Sheldon, Teresa Tillson, and Kit Tischler—**Henry Mastin** Memorial Scholarships, \$1,200 each; for Freshmen entering the Department; based on scholastic achievement; awarded since 1989.

Donna Fouts and Ian Mackay—**Bob and Phyllis Mace** Watchable Wildlife Scholarships, \$1,500 each; to benefit qualified and needy students working toward an undergraduate degree in the Department; preference to Oregon high school graduates; awarded since 1994.

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

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

Noah Stryker—**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.

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

Karl Fairchild and Noah Stryker—**Vivian Schriver Thompson** Scholarship, \$2,500 each; E.R. Jackman Foundation, to benefit needy wildlife students; restricted to Oregon residents; awarded since 1995.

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

Donna Fouts—**William Q. Wick** Memorial Scholarship, \$2,000; to benefit undergraduate students in the Department; preference to Oregon high school graduates; awarded since 1993.

Nick Chambers, Emily Hamblen, and Noah Stryker—**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.

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

Matt Morris, Emily Hamblen, Brianna Patterson, and Noah Stryker—**Munson Leadership Award**, \$500 each; for students who demonstrate outstanding leadership; a new award this year.

Trish Ratliff and Christine Schukraft—Departmental Internship Awards; \$500 each; established from Departmental funds for undergraduates in unfunded or low-funded internships.

Graduate

Heidi Vogel—**Coombs-Simpson** Memorial Fellowship, \$600; awarded to a female graduate student 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 recipient is nominated by her peers; awarded since 1995.

Aaron Berger and Marc Johnson—**Oregon Council Federation of Fly Fishers** Scholarship, \$1,500 each; to graduate students researching native fishes; awarded since 1992.

Bill Brignon and Seth White—**Middle Rogue Steelheaders** Scholarships, \$1,000 each; awarded since 2006.

Alena Pribyl—**Hugo Krueger** Graduate Research Award in Fish Physiology, \$1,500; awarded since 1986.

Pete Loschl—**Ken Munson** Wildlife Scholarship, \$1,000; awarded since 2005.

Brittany Cline, Marisa Litz, Dacey Mercer, and Caleb Spiegel—**Thomas G. Scott** Achievement Award, \$1,000 each; for Outstanding M.S. students in the Department; awarded since 1993.

Ben Clemens and Seth White—**Thomas G. Scott** Achievement Award, \$2,000 each; for Outstanding Ph.D. students in the Department; awarded since 1993.

Alena Pribyl—**H. Richard Carlson** Scholarship, \$1,500; awarded to a graduate student working in the area of marine fisheries; awarded since 2000.

Judith Jobse \$600, *Craig Demars* \$600, *Nathan Johnson* \$500, *Francisco Madrianan* \$800, *Nicole Maggiulli* \$500, and *Stacy Remple* \$500—**Henry Mastin** Graduate Fund to assist with expenses for research and travel to professional meetings.

George Boxall and Phil Brown—**Sunriver Anglers Club** Scholarship, \$1,250 each; for students studying fish ecology or habitat in Eastern Oregon; awarded since 2006.

Carlos Bianchi—**Ted Thorgaard** Student Research Fund, \$500; for a student conducting research in conservation biology; a new award this year.

Heidi Vogel \$2,000 and *Seth White* \$1,000; **Washington County Flyfishers** Scholarship; for students conducting research in freshwater salmonid ecology and management; awarded since 2006.

Janel Banks—**Thomas G. Scott** Publication Fund, \$600.

Noah's Art: The Bird Boy of Oregon earns accolades as scholar and artist

We thought you might enjoy this profile of one of our outstanding undergrads, which appeared in the Fall 2007 edition of Oregon's Agricultural Progress, written by Mark Floyd.

Noah Strycker didn't mention his predilection for scavenging birds on his applications for prestigious scholarships. And that may have been a good thing. The Oregon State University senior, who is majoring in fisheries and wildlife science, has snagged two of the top national scholarships for students in environmental studies – the Morris Udall and Barry Goldwater scholarships.

Noah Strycker isn't your average college student. The 2003 graduate of South Eugene High School has parlayed a lifelong interest in birds into a growing reputation as a researcher, artist, and writer. By the time he was 19 years old, he was the associate editor of *Birding* magazine, a columnist for *WildBird*, and a book reviewer for *Birder's World*. His artwork illustrates magazines and books. And he has spent thousands of hours observing and documenting different bird species in Oregon and abroad.

Strycker's interest in birds began early. But it was on a camping trip with his father that his fascination intensified. They were visiting Malheur National Wildlife Refuge and had spotted a barred owl swooping down from a tree to grab a snake. Just then, a great horned owl flew in from nearby and the two owls began to clash.

"They fought on the ground for a couple of minutes over the snake—feathers flying, hissing, and spitting," Strycker said. He was hooked.

Strycker soon discovered that Oregon is a good place for a novice birder to become established. Oregon has the fourth highest number of bird species of any state in the nation, primarily because of its

diverse habitats, including deserts, mountains, and coast. Yet, in a state that has jousting owls, majestic eagles, and a treasury of jewel-colored songbirds, Strycker's favorite bird is the turkey vulture.

"Vultures don't get much respect," he protested, "but they're cool birds—once you get past the ugliness factor. They can smell a dead mouse two miles away."

Right. So how did this infatuation begin?

"I've liked them ever since the time I decided to photograph one," Strycker said. "They eat dead meat, so I drove around looking for roadkill and finally picked up a dead deer on a hot summer day. I took the smelly carcass home in my trunk and set it out in a pasture next to our house, and sat in a blind next to it all afternoon, trying not to gag. About 20 vultures showed up for the feast and picked the bones clean within a few days. A couple of years later, I found a vulture nest site, one of the few to be located in Oregon. They are remarkably secretive birds."

Strycker admits he doesn't fit the profile of the traditional birding demographic. Most birders are older, maybe retired, with plenty of time and disposable income. His age isn't a factor in his multiple roles as editor, artist, and columnist for various birding magazines. "I don't generally make a point of my age since it doesn't affect my work," he said. "Either they already know me, or they'll find out eventually."

"Some of my friends think I'm crazy, some think I'm weird, but most respect the ability to know a lot about a certain subject and be passionate about it," Strycker said. "My goal is to make birding cool by being normal and also being a birder." But his best friends don't see anything out of the ordinary; although most stop short of collecting roadkill.

News from the Club (continued from page 3)

teered with the International Sonoran Desert Alliance at El Pinacate Desert Reserve to assist with habitat restoration. Returning to the U.S., they stayed at Organ Pipe National Monument and assisted staff in constructing a pond for the Quitobaquito endangered pupfish. This trip was a lifetime experience for all.

The Fisheries and Wildlife Club 2007-08 has experienced more in the first 8 weeks of this academic year than most of us do in 8 months! They spent a weekend herp-hunting at Cape Kiwanda, rafted the McKenzie River, explored H.J. Andrews

Experimental Forest, toured OSU's new Sustainability Center (and are establishing a sustainability program in the club), co-hosted Discovery Days with over 1,000 middle school kids attending, cooked elk burgers at Nash Hall for Dad's Weekend and practiced target shooting at OSU's rifle range. It's enough to make you yearn for a return to 'the good ole days' at OSU, isn't it? If you've got some memories of your best trip to share, ideas for the current Club cohort, or funds to support them, please contact President Bobby Brett at brettr@onid.orst.edu.

Carl E. Bond 1920–2007

Carl Eldon Bond, 87, passed away in Corvallis on Nov. 12, 2007. He was born on Sept. 11, 1920, in Culdesac, Idaho, the youngest of six children. His family moved to Monmouth when Carl was 2 years old. After graduating from high school, Carl attended Oregon Normal School in Monmouth and subsequently taught elementary school on the Oregon coast until the beginning of World War II.

Following the attack on Pearl Harbor, Carl worked as a civilian employee of the Army during construction of Camp Adair while he was waiting for his induction into the U.S. Navy. He married Lenora Jensen in Monmouth in June 1942. Carl served with the Naval Construction Battalion (Seabees) for more than three years in Sierra Leone, Africa; Honolulu, Hawaii; and on Midway Island.

Carl received his bachelor's degree in 1947 and master's degree in 1948 in fisheries and wildlife from Oregon State College. In 1950, he joined the faculty of the Department of Fish and Game Management (later Fisheries and Wildlife) and remained with the department throughout his career. Teaching loads were heavy at first; he taught three courses each term and advised about 50 undergraduates. Carl studied at the University of Michigan in 1959–1960 and received his Ph.D. from Michigan in 1963. When he retired as Professor Emeritus in 1985, scientists came from many countries to wish him well. And he continued active research and writing for many years after that.

Carl was an active member and fellow in many professional organizations, including the American Fisheries Society, American Society of Ichthyologists and Herpetologists, the Gilbert Ichthyological Society, and the American Institute of Fishery Research Biologists.

During his career, Carl taught and had projects in many countries, including India, Iran, Taiwan, Thailand, Japan, Hong Kong, and Chile. He was considered the world's authority on sculpins. He was the author of an undergraduate textbook, *Biology of Fishes*, which is still in use today. For many years, Carl was on the "Names of Fishes" committee for the American Fisheries Society. Carl designed and taught one of the first U.S. university courses in aquaculture. He met with many dignitaries during his career; while in Japan, he was privileged to take tea with Japan's then crown prince Akihito [himself an ichthyologist], now emperor.

Among his awards, Carl was named "Oregon



Carl and Lenora in Hawaii, 2001

Scientist of the Year" in 1983 by the Oregon Academy of Science. He received the American Fisheries Society Award of Excellence in 1998 and its Distinguished Service Award in 2000. He was also honored by the Desert Fishes Council. Of all his accomplishments, Carl was most proud of his students. During his long career he mentored 63 graduate students, 15 doctoral and 48 masters. Many of these students went on to distinguished careers of their own.

Carl was interested in many things, particularly the sanctity of the living world. He treasured time spent with his family and "give and take" with friends and colleagues. Carl was an avid hunter and fisherman and an accomplished knife maker. His twinkling eyes, warm smile, and keen sense of humor will be greatly missed.

Carl is survived by his wife, Lenora, and his daughters, Nancy Bond Hemming of Corvallis and Judith Bond Gordon of Salem, and a large and caring extended family. Contributions in his memory can be made to the Carl and Lenora Bond Scholarship Fund, c/o OSU Foundation, 835 SW 35th Street, Corvallis, OR 97333

Lenora has been moved from the Silverton Hospital to the Providence Benedictine center in Mt. Angel for rehabilitation following full hip replacement and upper femur surgery. The surgery was performed on November 19 to correct failed surgery done last February to pin her broken left hip. Lenora continues to make progress in recovering from the surgery, but it appears that her recovery will be slow and lengthy. There are no phones available in the Benedictine center's rooms, but written greetings can be sent to her in care of her daughter, Judy Gordon, 684 Stark Street N, Salem, Oregon 97303.

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