



HMSC Currents

January 2009

Newsletter of the Hatfield Marine Science Center Community - Newport OR

Film series highlights water resource issues

Five films highlighting the importance of water as a resource will be screened at the HMSC on the second Monday of every month, from January through May.

Co-sponsored by the Lincoln Soil and Water Conservation District, OSU's Institute for Water and Watersheds, Oregon Sea Grant, and the Friends of HMSC, the film series is free and open to the public.

2009 WATER FILM SERIES

2nd Mondays, 6:00 – 7:30 PM
HMSC Auditorium

January 12th – The Green Zone with David Suzuki – 47 minutes – Interesting story of Canada's efforts to restore riparian zones and Atlantic salmon fisheries. Incredible historic footage of the unusual event of Hurricane Hazel hitting the eastern coast of Canada.

February 9th – FLOW – 90 minutes – Award-winning documentary investigation into what experts label the most important political and environmental issue of the 21st Century - The World Water Crisis. Interviews with scientists and activists intelligently reveal the rapidly building crisis, at both the global and human scale, and the film introduces many of the governmental and corporate culprits behind the water grab. View the trailer at <http://flowthefilm.com/trailer>

March 9th – Water Before Anything – 40 minutes – A documentary made by OSU Graduate Student Sarah Sheldrick with financial backing from the Institute for Water and Watersheds. This film tells the story of the Umatilla County Critical Groundwater Solutions Taskforce, a volunteer group that has been working to enhance and protect groundwater in the Umatilla Basin. View the four minute trailer at Google Video. Come meet Sarah!

April 13th – Liquid Assets – 90 minutes – This film explores the history, engineering, and political and economic challenges of our water infrastructure, and engages communities in local discussion about public water and wastewater issues. View the trailer at <http://liquidassets.psu.edu/>. The Surfrider Foundation co-produced this film and will lead a follow-up discussion.



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Focusing on “sustainability”

No longer confined to academic and policy discussions on resource issues, “sustainability” is now widely embraced and promoted as an operating principle of public and private sector interests alike. Whether the concept actually achieves integration into planning and management systems, however, remains to be seen.

Education about how sustainable our ways of doing business really are is increasingly important as climate change, scarcity of freshwater resources, and other ecosystem scale disruptions become more apparent. The window of opportunity is closing.

At HMSC, the sustainability committee was formed to promote awareness, education, and action on sustainable practices and technologies in the workplace and in the communities where we live.

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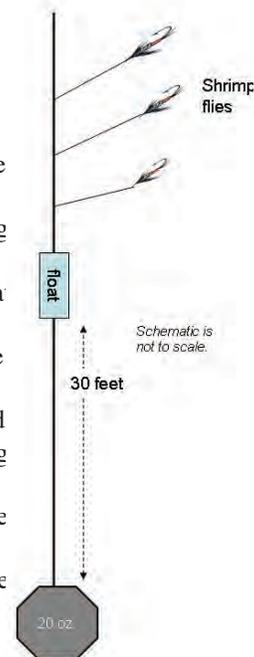
Agency Updates

ODFW Marine Resources Program and Recreational Fishing Alliance team up to develop yellowtail rockfish sport fishery

The Recreational Fishing Alliance, Oregon Chapter (RFA-OR) and the Oregon Department of Fish and Wildlife (ODFW) Marine Resources Program (MRP) are working together to develop hook and line gear to target yellowtail rockfish.

The specialized sport fishery would take place seaward of the Oregon 40-fathom recreational management line while keeping bycatch of species designated as overfished – such as yelloweye and canary rockfish – at low levels. Yellowtail rockfish are most often found midway in the water column. The hope is that, by using specialized gear, anglers can effectively target the underutilized yellowtail while avoiding other constraining species, which stay near the bottom.

The gear to be used is designed to locate the hooks in a midwater location to avoid bottom dwelling species, such as yelloweye rockfish. The proposed gear would employ the use of a long leader between the sinker and hooks. Leader lengths will begin at 30 feet; a change of length up to 60 feet will



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The HMSC Currents newsletter is published 5 times a year. Your comments and submissions are welcomed! Deadline for next issue is March 8th Send to: ken.hall@oregonstate.edu

Sustainability *continued from pg. 1*

The group meets on the first Tuesday of every month to discuss ideas and plan for implementation. The committee also sponsors brown bag lunch speakers and other educational programs on a variety of topics related to the way we use resources. Whether it's water, energy, or waste streams, at home, at work, or anywhere in between, the goal of reducing waste and improving efficiency in resource use is the same.

Recently, the committee decided to focus on supporting several larger initiatives that involve virtually everyone at HMSC, by virtue of their university or agency affiliation. Both the Federal Green Energy Challenge and Oregon's participation in the Western Climate Initiative embody commitments to increase energy efficiency and reduce greenhouse gas emissions from current levels. Given the latest findings from IPCC's 4th assessment report, there is little debate about the seriousness of the goal or the urgency of the effort.

Reducing our carbon footprint at HMSC means looking at every aspect of operations, from the facilities and systems that support our work, to the supplies we purchase, how much we recycle, mission-related travel, and even our daily commutes. The sustainability committee is gathering data and helping to identify systems improvements that can help in all of these areas.

An HMSC-wide waste stream audit is currently underway, led by committee members Sharon Nieukirk and Cait Goodwin, with assistance from Range Bayer and others. They will be looking at how effective our recycling efforts are, or could be, with some improvements.

The cooperation and support of the entire HMSC community on these efforts is greatly appreciated. For more information, or to get involved, contact HMSC Program Manager Ken Hall at 541-867-0234 or email: ken.hall@oregonstate.edu

Upcoming Events

Tuesday, February 3 at 12 p.m. (in Guin LSR)
Brown Bag Lunch Presentation & Discussion:
"Get to know your energy source: maximize savings, minimize impact"
Mike Sleight, Efficiency Services Group (for Central Lincoln PUD)

February 5-6: HMSC participation in National Teach-in on Global Warming

Thursday, Feb. 5 at 3:30 p.m. (in Guin LSR)
Seminar: "Is the intensifying wave climate of the U.S. Pacific Northwest of more concern than sea level rise?"
Peter Ruggiero, Dept. of Geosciences, OSU

Friday, Feb. 6 from 10 a.m. to 12 p.m. (Visitor Center, Hennings Auditorium)
"Oregon Climate Dialogue": Teach-In event with high school students from Lincoln and Benton counties.
Speakers / panelists include: Bill Bradbury, Global Warming Commission; Bill Peterson, NOAA Fisheries; Elin Shepard, Oregon Dept. of Admin. Services

Agency Updates *continued*

Yellowtail rockfish sport fishery *continued from pg. 1*

only be made if incidental impacts on non-target species are higher than expected or access to target species is low. A float will be affixed to the upper end of the leader to prevent hooking gear from descending below the upper level of the leader. The maximum number of hooks will conform to current regulations (3) although anglers may be encouraged to use fewer hooks. (See gear schematic figure).

A total of ten charter vessels will take

part in the trials: two from Bandon, one from Charleston, one from Depoe Bay, four from Garibaldi and two from Newport. The vessels will make a total of 30 trips over the course of this year (2009), to spread effort both over time and spatially.

ODFW MRP staff will coordinate at-sea observations for each trip to collect data on the species and numbers of all fish caught, as well as biological data on species of concern and also analyze the

data. At the end of each trip, catch data will be sent to RFA-OR to monitor the bycatch rates, so as to not exceed limits of individual species set by the Pacific Fisheries Management Council. The broader implications of this project could be to provide increased opportunities offshore for recreational anglers, reducing pressure on nearshore groundfish species without further impacting constraining species.

ODFW expands into Newport Annex

Opening the downtown ODFW Newport Annex solved an acute need for office space for both the Marine Resources Program (MRP) and the Northwest Regional offices after the region lost their offices at the HMSC.

Deciding who should go to the new location took many factors into account.

Foremost among these was what would cause the least amount of disruption in the program's work. About a dozen MRP personnel – including Ted Calavan, Aaron, Chappell, Ethan Clemons, Mark Freeman, Mark Karnowski, Steve Kupillas and Wolf Wagman – are located at the downtown location with the regional staff. To bet-

ter serve the public, three wildlife staff – Doug Cottam, Tami Wagner and Dan Avery – will be at the Hatfield location.

The Annex address is 810 SW Alder St. above the Pig 'n Pancake restaurant. The phone number is 265-8306.

Research News

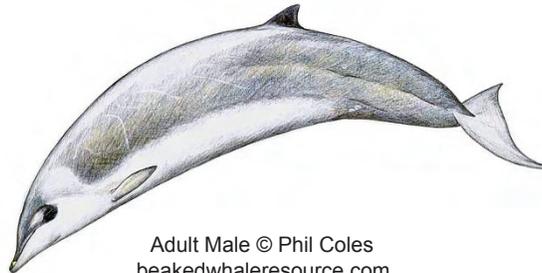
Shedding light on mystery of beaked whale “tusks”

For years, scientists have wondered why only males of the rarely seen family of beaked whales have “tusks,” since they are squid-eaters and in many of the species, these elaborately modified teeth seem to actually interfere with feeding. A newly published study help explain the evolutionary origin of these distinctive “tusks” in beaked whales, a rather mysterious family of whales that live in the deep oceans. Although the tusks are known to be used in competition between males, another purpose seems to be to attract female beaked whales – and to avoid mistakes in choosing a mate.

The study, by researchers in Oregon, New Zealand and Australia, was recently published in the journal *Systematic Biology*. It describes one of the first examples of “sexual selection” implicated in the radiation of a group of mammals outside ungulates (deer, elk and antelope).

“Beaked whales are among the least known, least understood and, frankly, most bizarre whales in the ocean,” said Scott Baker, associate director of the Marine Mammal Institute at Oregon State University and a co-author of the article. “Because they live in the deep, they are rarely seen alive and many are described only from specimens found stranded dead on the beach. They are the only cetacean species with tusks and scientists have long wondered why, since their diet primarily is squid and the females are essentially toothless.

“It turns out that tusks are largely an ornamental trait that became a driver in species separation,” Baker added. “The tusks help females identify males within their species, which could otherwise be difficult as these species are quite similar to each other in shape and coloration.”



Lead author of the study was Merel Dalebout, a post-doctoral fellow from the University of New South Wales in Australia and a former Ph.D. student of Baker. The third author is Debbie Steel, also a researcher from the Marine Mammal Institute at OSU’s Hatfield Marine Science Center in Newport.

Many animal species develop traits that allow the males to compete with each other physically, such as antlers used for sparring by adult bull elk. Some of these have other purposes, such as the tusks of walruses that can be used for foraging as well as fighting. And some species display ornamental traits to attract mates – the coloration of the peacock, or the songs of birds.

The beaked whale is unusual in that its tusks have no obvious functional purpose other than to distinguish it from similar looking species of beaked whales.

“In closely related species we usually see some character trait displacement or divergence, which is an important requirement to avoid mistakes in the choice of potential mates,” Baker said. “Crosses between different species can result in hybrid offspring with reduced viability or reproductive success, such as the sterile mule. In nature we expect that mechanisms have evolved to insure species recognition.

“But mistakes happen,” Baker added. “Blue whales and fin whales are known to hybridize in the wild and there is a documented case in captivity of a hybrid offspring between a pilot whale and a bottlenose dolphin.”

Baker says speciation occurs in many terrestrial species through geographic isolation, such as separation by canyons, major river systems, or islands. In the ocean, however, these geographical barriers are largely absent. Different species of beaked whales occupy the same trophic level and can look remarkably similar – to the point where scientists can only differentiate them through DNA testing.

“Interestingly,” he said, “the species of beaked whales that are in the same ocean regions – even ‘sister’ species – are the most different in the shape of the tusks. Those that are closely related genetically but live in different oceans are the most alike.”

Humboldt Squid invade Oregon

In mid-October the Marine Resources Program received reports of hundreds of Humboldt squid washed up on Oregon beaches. Shortly thereafter, shoreside whiting fishermen reported high catches of squid, averaging 10 to 20 percent of the catch, with some catches greater than 50 percent. The processors tried to sell as much as possible and fishermen used some for crab bait.

Humboldt squid, also known as jumbo squid, are a large, predatory cephalopod commonly found from the coast of Peru through the Gulf of California. Recently, however, changes in the ocean

environment resulted in a range expansion. Since 2003, numerous sightings in Oregon have been reported. Humboldt squid are up to 7 feet (2 m) long and weight as much as 100 pounds (45 kg).

Predators to Humboldt squid include sperm whales, sharks, seals, swordfish, and marlin. Schools of Humboldt squid, up to 1,200 individuals, aggressively hunt lantern fish, shrimp, mollusks, and Pacific whiting.

Some researchers worry the Humboldt squid are impacting whiting populations. Given their aggressive hunting strategies, a permanent range expansion



could have far-reaching effects on West Coast fisheries and marine ecosystems.

Academic Programs News

Partnership focuses on expanding reach of ocean sciences

The Hatfield Marine Science Center is one of the partnering marine laboratories in the Center for Ocean Science Education Excellence - Pacific Partnerships (COSEE - PP). Principal Investigators George Boehlert and Shawn Rowe are working in collaboration with Jan Hodder at the Oregon Institute of Marine Biology, Kerry Carlin-Morgan at the Oregon Coast Aquarium and Jane Hodgkins at the Oregon Coast Community College to integrate marine research and education for audiences that historically have been underserved by the ocean sciences community.

COSEE PP aims to build connections between marine lab scientists, community college faculty and students, and informal science education professionals and volunteers. You may have interacted with community college students and faculty

who were here last summer as interns in the program; more will participate this summer and in future years. If you are interested in having a community college student as an intern this summer, please contact HMSC's Academic Programs Coordinator, Itchung Cheung.

One of COSEE - PP's aims is to assist scientists with outreach and broader impacts of their research. The partnerships with community colleges and informal science educators provide a ready audience for sharing research findings and new knowledge generated by the HMSC science community. To engage scientists in the COSEE - PP project, we will be hosting a number of opportunities this spring including a Communications for Ocean Scientists Workshop on Feb 27 from 9 a.m. to 1 p.m. in Weniger Hall on the OSU main campus. Contact Shawn

Rowe for details of this activity.

Later in the spring we will host a workshop for graduate students and post docs to discuss implementing successful outreach activities. We also plan to work with scientists who participate in SeaFest to continue to improve this important event. If you are interested in discussing an idea for how your outreach or broader impacts activities could benefit by the participation of the COSEE-PP team please talk with George Boehlert or Shawn Rowe.

For further information on COSEE - PP visit the web site - www.coseepacificpartnerships.org or contact Coral Gehrke, COSEE- PP's coordinator at cgehrke@uoregon.edu or Itchung Cheung at Itchung.Cheung@oregonstate.edu.

Sea Grant and Visitor Center News

Aquarist's log

HMSC's Senior Aquarist, Paul Dubai, shares regular updates with Visitor Center volunteers about the fish and other organisms inhabiting display tanks in the public wing. Here are a few recent posts...

Jan. 3, 2009 - Our two juvenile copper rockfish have grown too large for the perch to feel secure from being eaten. These two fish have been removed and placed in the education room aquariums. The male rock greenling has returned to the paired wolf eel aquarium. We have added a new tropical fresh water aquarium next to tropical marine system. The fish in this aquarium will be replaced by important research fish [Zebra fish] when they become available.

Jan. 15 - The large salmon and the smaller brown salmon have been removed from global. The larger Chinook salmon was becoming a threat to the herring, and the brown salmon was causing some confusion on whether or not it was a salmon or a trout. Seven smaller Chinook salmon have become the replacement.

The wolf eels are not feeding at this time, and haven't been for a while. This is normal, also they are showing no signs of being too thin. Wolf eel pair: Today the female wolf eel was laying eggs, although eggs were being consumed by the other fish.

Excessive dulce [seaweed] was found in the touch pool on a non feeding day. The aquarist team appreciates the effort, yet we have a set feeding schedule that we would like to follow and record. Please let me, or any of the aquarist team members know of additional feeding requests.

Jan. 18 - Since the weather has been wonderful and the salinity has returned in the bay, swarms of bell jellies have been occurring. The jelly fish exhibit has come to life again, although we have future plans to continue the exhibit, bell jellies will not be the chosen animal. The life span of the bell jelly is too short in the wild, and shorter in captivity.

Water film series schedule

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May 11th - Celilo Falls and the Remaking of the Columbia River - 29 minutes - Through a combination of rare historic films and photographs, this film provides a glimpse of the life at Celilo as it once was and considers the cultural, social, and political forces that brought about its end, signaling a new era in the relationship between people and nature. Joe Cone, the producer of the film, will be there to entertain any questions.

Business Office Briefs

OSU to discontinue cell phone issuance

There is a change occurring to the OSU Cell Phone Policy and can be reviewed at: <http://oregonstate.edu/dept/budgets/FIS-Manual/FIS1402-03.htm>. Most all OSU owned cell phones will cease to exist and will need to be replaced with a personal phone/contract. If allowable, reimbursement to the employee will be made via a Communications Allowance and included (taxable) in the paycheck.

Time sheets and leave requests

A reminder that in order for us to meet our deadlines, Monthly Time Sheets are to be turned in-completed and

signed by both employee and supervisor by the 4th of each month. Please make sure that you have a Leave Request Form, or other documentation of approval of leave by supervisor, completed and attached to your time sheet for all leave time taken during the month you are reporting.”

A message from OSU Payroll Manager...

OSU payroll has a new sustainability option for direct depositors! Some may have already seen this but we wanted to ensure the entire campus community was made aware of this new functionality in OSU's Online Services, <http://infosu.oregonstate.edu/>.

Employees on direct deposit can now voluntarily opt-out of receiving a printed

earning statement every month. Instead of receiving that green earning statement every month, one can simply go on line via OSU Online Services and view it. Earning statements are available at your convenience on-line and may be printed whenever desired.

Employees not yet on direct deposit continue to receive a printed check and statement as usual but do not have on-line access to their payroll earning statements. We strongly encourage all employees to consider direct deposit for their payroll and/or financial aid refunds or other employee reimbursements. You may sign up for direct deposit again via <http://infosu.oregonstate.edu/>.

If everyone participated in opting out OSU would save substantial time and money, not to mention 225 reams of paper annually!

Guin Library News



New free electronic journal

The Oceanographic Environmental Research Society has a new electronic journal called Journal of Marine Animals & Their Ecology. This ejournal is in its infancy (only one issue so far) and it will be interesting to see if it survives. The URL to the journal is:

<http://www.oers.ca/journal/journal.html>. Any comments or feedback you have on it are appreciated. Just email: janet.webster@oregonstate.edu

New Books (as of January 8) at Guin Library

Interested in checking out any of these new books? Visit the Guin Library website to place holds on any desired material: <http://osulibrary.oregonstate.edu/guin/booklist.htm>. When the books come off of the New Books Shelf in approximately two weeks, any requested items will be sent to you.

TITLE Boats of the Oregon coast.
AUTHOR Oregon State University. Sea Grant College Program.
CALL # GC4 .ORESUS O69 no.2008-001

TITLE Hold that thought : questioning five common assumptions about communicating with the public.
AUTHOR Cone, Joe.
CALL # GC4 .ORESUS O69 no.2008-005

TITLE Tsunamis. (The Sea; Ideas and observations on progress in the study of the sea.)
AUTHOR Bernard, E. N. (Eddie N.) and Robinson, Allan R.
CALL # GC11 .S4 v.15

TITLE Polychaetes : interstitial families : keys and notes for the identification of the species.
AUTHOR Westheide, Wilfried.
CALL # QL255 .L51 n.s. no.44 rev.2008

TITLE Reproductive biology of crustaceans : case studies of decapod crustaceans.
AUTHOR Mente, Elena.
CALL # QL444.M33 R464 2008

TITLE American birds. 108th Christmas Bird Count issue.
AUTHOR National Audubon Society.
CALL # QL671 .A781 2007/2008

TITLE Principles of marine bioacoustics.
AUTHORS Au, Whitlow W. L. and Hastings, Mardi C.
CALL # QL713.2 .A9 2008

TITLE Genetic dissection of complex traits.
AUTHOR Rao, D. C. (Dabeeru C.)
CALL # RB155 .G3834 2001

TITLE GardenSmart Oregon : a guide to non-invasive plants.
AUTHOR Goodridge, Jennifer M.
CALL # S537.O7 A54 no.1620

TITLE Capture-based aquaculture : global overview.
AUTHORS Lovatelli, Alessandro and Holthus, P. F.
CALL # SH1 .F539 no.508

TITLE Monitoring and managing queen conch fisheries : a manual.
AUTHOR Medley, Paul.
CALL # SH1 .F539 no.514

TITLE Towards integrated assessment and advice in small-scale fisheries : principles and processes.
AUTHORS Garcia, Serge M; Allison, Edward H; Andrew, Neil; Bene, Christophe; Bianchi, Gabriella; de Graaf, Gertjan; Kalikoski; Mahon, Robin; and Orensanz, Lobo.
CALL # SH1 .F539 no.515

TITLE Report of the Expert Consultation on the Assessment of Socio-economic Impacts of Aquaculture : Ankara, Turkey, 4-8 February 2008.
AUTHOR Food and Agriculture Organization of the United Nations.
CALL # SH1 .F543 no.861

TITLE Report of the FAO Expert Workshop on the Use of Wild Fish and/or Other Aquatic Species as Feed in Aquaculture and its Implications to Food Security and Poverty Alleviation : Kochi, India, 16-18 November 2007.
AUTHOR Food and Agriculture Organization of the United Nations.
CALL # SH1 .F543 no.867

TITLE 2008 supplemental status review and extinction assessment of Cook Inlet belugas (*Delphinapterus leucas*).
AUTHORS Hobbs, Roderick C. and Shelden, Kim E. W.
CALL # SH11.A5 N61 no.2008-08

TITLE Report to industry, fishing log for the 2003 Gulf of Alaska bottom trawl survey.
AUTHOR Raring, Nate W.
CALL # SH11.A5 N61 no.2008-09

TITLE The 2007 eastern Bering Sea continental shelf bottom trawl survey : results for commercial crab species. AUTHOR Chilton, E.A; Rugolo, L; Armistead, C.E; and Foy, R.J.
CALL # SH11 .A541431 no.186

TITLE The 2008 eastern Bering Sea continental shelf bottom trawl survey : results for commercial crab species. AUTHORS Chilton, E. A; Armistead, C. E; and Foy, Robert James.
CALL # SH11 .A541431 no.187

TITLE Fur seal investigations.
AUTHOR National Marine Mammal Laboratory (U.S.)
CALL # SH11 .A541431 no.188

TITLE Data report : 2007 Gulf of Alaska bottom trawl survey.
AUTHORS von Szalay, P.G; Wilkins, Mark E; and Martin, M. M.
CALL # SH11 .A541431 no.189

TITLE Glossary of aquaculture.
AUTHOR Crespi, Valerio and Coche, A. G.
CALL # SH20.3 .C74 2008

TITLE The future of mariculture: a regional approach for responsible development in the Asia-Pacific region : FAO/NACA regional workshop, 7-11 March 2006, Guangzhou, China.
AUTHOR Lovatelli, Alessandro; Phillips, Micheal J; Arthur, J. Richard; and Yamamoto, Koji
CALL # SH103 .F88 2008

TITLE Environmental best management practices for aquaculture.
AUTHORS Tucker, Craig S. and Hargreaves, John A.
CALL # SH135 .E57 2008

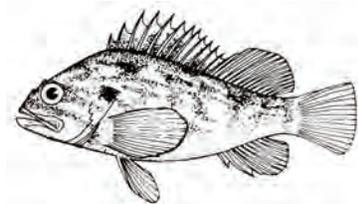
TITLE Fisheries management.
AUTHOR Food and Agriculture Organization of the United Nations.
CALL # SH328 .F562 1997

TITLE Adaptive governance : the dynamics of Atlantic fisheries management.
AUTHOR Webster, D. G.
CALL # SH328 .W43 2009

TITLE The fishermen's frontier : people and salmon in Southeast Alaska.
AUTHOR Arnold, David F.
CALL # SH348 .A76 2008

TITLE The power of words in international relations : birth of an anti-whaling discourse.
AUTHOR Epstein, Charlotte.
CALL # SH383 .E67 2008

TITLE Red gold [videorecording] : an environmental documentary.
AUTHORS Knight, Ben and Rummel, Travis.
CALL # TD195.M5 R43 2008 DVD



Personnel News and Notes

Tracy Crews is Sea Grant's new Education Coordinator for K-12 and family programs at the HMSC, where she will be planning and coordinating school programs, summer camps and other educational activities such as Career Day, Las Olas, and Quest.

Born in Satellite Beach, Florida (where "I Dream of Jeanie" was filmed) and raised in South Carolina and Texas, she studied Marine Biology at Texas A & M University and earned her Masters in Marine Science from the College of William and Mary in Virginia (Virginia Institute of Marine Science). With her thesis, "Factors Affecting Hooking Mortality of Summer Flounder in Virginia's Recreational Fishery", Tracy isn't exaggerating when she says she fished her way through grad school.

Before coming to HMSC, Tracy served as ODFW's Salmon and Trout Enhancement Program (STEP) Biologist for the North Coast and North Coast Coordinator for the Ocean Sampling Project (also with ODFW). Prior to that she was the Science Program Director for SeaCamp and Newfound Harbor Marine Institute in the Florida Keys, and a high school Aquatic Science and AP Environmental Science teacher in Texas.

"I really am looking forward to learning more about the projects and programs that are housed here at Hatfield," says Tracy. "I hope to collaborate with numerous others as we work to update our programs and curriculum, highlighting current research and issues."

Outside of work, Tracy enjoys traveling, cooking, beach combing, fishing, photography, arts and crafts. Having grown up in Texas, she loved Mexican food and is on the lookout for the best in Newport (suggestions, anyone?) Tracy says Newport is "a breath of fresh air (literally, as we just moved from Tillamook!)" and they are enjoying the increased recreational and culinary opportunities found here. Her husband, Jeff, is mate on a tug boat in Hawaii (and is subsequently gone half the year). They have a two year old son, Nick, and a Russian tortoise, Sasha.



Rebecca Hamner was born in Greensboro, NC and moved to Rochester, NY when she was 12. In 2006, she received a B.S. in Marine Biology and a B.A. in Psychology from the University of North Carolina Wilmington, graduating summa cum laude with Honors in Marine Biology. After graduation came over four months in Monkey Mia, Western Australia, where Rebecca worked as a research assistant studying the behavior



and alliances formed by male bottlenose dolphins in Shark Bay. She received a Fulbright Fellowship in 2007 to study in New Zealand and completed a master of science (MSc) in Biology at the University of Auckland in April 2008.

While in New Zealand, Rebecca had the opportunity to work in Scott Baker's lab there before returning to the USA in May 2008. At HMSC she will be expanding upon work completed for her Master's thesis, which examined the population structure, gene flow and dispersal of Hector's dolphins around the South Island of New Zealand. Currently adding data from the North Island subspecies (Maui's dolphin) into her analyses, she will later be estimating effective population sizes. This work will aid in devising management advice for the conservation of these endangered dolphins that are endemic to the coastal waters of New Zealand.

Rebecca is happy to be living in a coastal town again and glad to have some nice weather before the rainy season kicks in. She thinks the friendly and relaxed atmosphere at HMSC is great and has already met many of our researchers at various HMSC social activities. Having caught the travel bug a few years ago she loves visiting new areas and also enjoys camping, hiking and SCUBA diving.

Kathryn Hawes is the Volunteer Coordinator for the Visitor Center. She arrived in mid-2008 after working as a seasonal park ranger for South Beach State Park and says HMSC is great -- a



wonderful educational resource for visitors and the local community. Born and raised in the town of Monticello, Iowa, Kathryn attended Iowa State University, where she earned a B.S. in Forest Ecosystem Management. She says she is getting used to the Oregon coast weather, and likes Newport, where she lives with her husband Casey (and some pet fish).

It is with great pleasure that the U.S. Fish and Wildlife Service announces the addition of **Daniel Huckel** to its Oregon Coast National Wildlife Refuge Complex. Dan will serve as the Refuge Law Enforcement Officer for Refuge Complex and his primary duty will be to coordinate with other federal, state and local agencies to protect Refuge wildlife resources.

Dan comes to us from Jackson, Wyoming where he served as a Refuge Law Enforcement Officer for the National Elk Refuge for the past three years. Prior to that Dan served as a refuge officer for Parker River Refuge and Silvio O'Conte Refuge. He has also worked for the National Park Service and U.S. Forest Service. Daniel graduated from Colorado State University in 1995 with a BS degree, majoring in forestry with a minor in wildlife biology. We are extremely pleased to have Daniel join our staff and encourage you to drop in to meet him.



Personnel News and Notes - continued

Louise (Lou) Taylor was born and raised in Juneau Alaska, and earned her BS from Oregon State University in Corvallis. As an undergraduate, she spent a lot of time at Hatfield both as a student and an intern with the USEPA. Her new job is working for NOAA in the groundfish ageing lab. Lou loves Newport and is thrilled to be back here at Hatfield. Her favorite fun activities include sea kayaking, Spanish guitar, pottery, and swing dancing (besides Greenstriped Rockfish, naturally!!!)



Ford Evans transfers to Corvallis - The Molluscan Broodstock Program and HMSC wish a fond farewell and best of luck to Ford Evans, who has transferred to a position in the Aquaculture CRSP program on main campus in Corvallis (a much shorter commute!)

HMSC Happenings

Community rolls up sleeves for blood drive

December's Blood Drive at HMSC was a big success! Organizers were impressed with such a great response -- 44 people volunteering to donate blood, up from 36 at our last blood drive. A big thank you, also, to those who volunteered to help the Red Cross run the event: Maureen Collson, Bob Dziak, Mitch Vance, Lynn Mattes, Janet Webster, Linda ZumBrunnen, Pete Lawson, Jennifer Menkel, Cristen Don & Candace Rogers.

News from Hatfield Students Organization

New year brings new leadership to HsO

Wow does a year go by quickly when you are having fun! On January 15, I officially stepped down as the President of the HsO. Londi Tomaro has graciously volunteered to lead the HsO in 2009. Jose Marin-Jarrin will continue to be vice-president, Ali Dauble is our Secretary until March 2009, Mattias Johansson has become our Communications Officer and Renee Gibb is our new Treasurer-Donut/Coffee day organizer. Welcome to our new and returning officers.

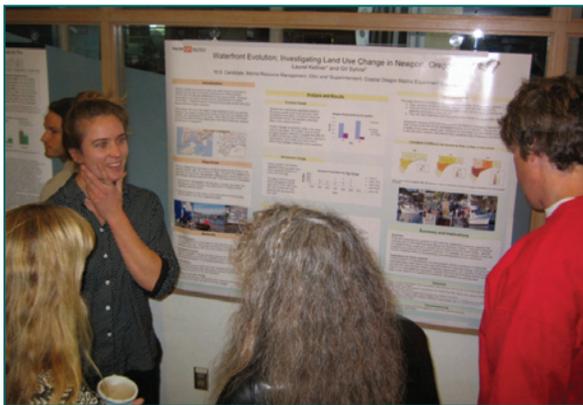
Thanks to all the wonderful help by our students, and attendance by this amazing community of people here at HMSC that make our activities a smashing success. We definitely plan to continue food and sport related competitions throughout the year. Thanks to the HMSC staff and our advisors for all their encouragement in developing our ideas for HsO activities. And a special thanks to Itchung Cheung and George Boehlert for all their support. It has been awesome to see the HsO become a recognized voice for the students that call HMSC home.

Current and Upcoming Activities:

- 1) Our t-shirt designs are in! T-shirts (and potentially hoodies) will soon be available for purchase.
- 2) In March the HMSC Top Chef competition is back to help with the annual Soup Kitchen! Look for details in February.
- 3) Donuts and coffee will continue to be accompanied by witty sayings a la Mattias.
- 4) Reading Group Tuesdays at the Rogue (5:30pm).

Cheers,
Becka
HsO President Emeritus

Fall 2008 Fisheries & Wildlife CERM class poster session



The Back Page



HMSC personnel, family and friends enjoy the end-of-year holiday gathering, pot-luck, and HsO fundraiser. Organizers thank the community for their support in making this a low-waste event. After clean up, there was only one bag of non-recyclable, non-compostable trash going to the dumpster.



Haru Matsumoto (left), Mark Camara, and Ken Hall, three of the nominees for the 2008 HMSC Community Spirit Award, honoring volunteerism and contributions to the local community. Not pictured, but also nominated, were Kym Jacobson and Jay Peterson. This year's award went to Ken Hall.



Members of the PICES swim team leave the water after their early morning swim in the chilly waters of Dalian, northern China, site of the 2008 meeting. Pictured, from left to right, are: Jack Barth, OSU, Hal Batchelder, OSU, Igor Shevchenko, TINRO-Vladivostok, George Boehlert, OSU, and Liz Tirpak, US Dept. of State. Missing is the photographer, Al Hermann, University of Washington.