



Piscatorial Press

Oregon Chapter of the American Fisheries Society

WINTER 2004-2005

PRESIDENT'S CORNER

"OREGON CHAPTER...A CALL TO INVESTIGATE & INFORM"

"Any science may be likened to a river. It has its obscure and unpretentious beginning; its quiet stretches as well as its rapids; its periods of drought as well as its fullness. It gathers momentum with the work of many investigators and as it is fed by other streams of thought; it is deepened and broadened by the concepts and generalizations that are gradually evolved."

Professor Carl P. Swanson as quoted in Rachel Carson's *Silent Spring*.

I recently re-read an old expository writing text and found this excerpt from Rachel Carson's *Silent Spring*... which was used to explain expository writing through "process analysis" or how steps of an operation lead to its completion. The central theme of Rachel Carson's essay was explaining how science can help with identifying alternatives, not relying solely on the easy path, but on a pathway that leads to long-term sustainability for our future. Also in this essay, I found a call to scientists to inform the public and policy makers on the risks and consequences of their actions. This is not done by arguing one's own beliefs and values but through the scientific method, through science inquiry.

Two ways the Oregon Chapter of the American Fisheries Society contributes to science education are the annual meeting, including the pre-meeting workshops, and through our External Committee activities.

Our annual meeting on February 16-18, 2005 in Corvallis will be a fabulous education opportunity, with record number of papers received, especially by students! Pre-meeting workshops are also planned on statistics and sampling design, age & growth of

aquatic organisms, and AFS Certification. Along with our informative poster session Wednesday evening, we will be including a trade show as part of the social event and during session breaks (see page 11).

On External Committee activities, Oregon AFS has recently reviewed important management actions proposed by agencies. One review was to the Oregon Society of American Foresters on the state's Forest Practices Act and the other was to NOAA-Fisheries on the proposed policy on the consideration of hatchery-origin fish in Endangered Species Act listing determinations for Pacific salmon and steelhead. Producing these letters is a direct result of people putting in the effort through our External Committee structure. Thank you to those who contributed. If you are interested in reading these letters, go to our web site at www.orafs.org. An upcoming issue that I expect Oregon AFS to comment on is regarding NOAA-Fisheries proposed critical habitat designations for 13 Evolutionarily Significant Units of Pacific salmon and steelhead in Washington, Oregon, and Idaho. For more information on this topic see <http://www.nwr.noaa.gov/1salmon/salmesa/crithab/CHmtgs.html>. On another issue, the Western Division and the North Pacific International Chapter are leading an effort (with Oregon Chapter involvement) to review the Columbia River Hydropower System Biological Opinion. Please call your committee chairs listed on the back page of this newsletter to become involved.

For communicating information with each other, Information Sharing Networks are under development. These Networks will also assist the External Committees identify Oregon

AFS members with expertise on various issues. You can read more about this on pages 5-6, and also learn more at the 2005 annual meeting.

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President's Corner
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For communicating information back to you, the distribution of this newsletter will hopefully be moving into the 21st Century with our next issue. Implementing an electronic listserve was presented in the winter 2001-2002 edition of this newsletter. It's time to take the next step. Except for those few people who do not have electronic mail nor access to the internet, the Chapter has a resolution to propose electronic distribution of the *Piscatorial Press* newsletter. Read the resolution on page 11. This will save the Chapter money in printing & mailing costs and be more efficient in information transfer. Talking about money...to examine opportunities to increase the diversity and earning potential of the Chapter's money market account, an adhoc group within the Executive Committee is developing a new investment policy. Find out more at our annual business meeting on Thursday, February 17, 2005.

On other internal operations, our Administrative Handbook is being updated. While this may be a tedious task, it is a critical handbook for us to efficiently run your organization. This handbook's primary purpose is to state the duties and responsibilities of officers and committees as prescribed in the bylaws of our Chapter, which will be particularly helpful for your new candidates for office (read candidate statements on pages 12-13). I hope to see all of you at the 2005 annual meeting!

*Respectfully submitted by Doug Olson,
 Oregon Chapter AFS President*

The mission of the Oregon Chapter of the American Fisheries Society is to:

“Improve the conservation and sustainability of Oregon fishery resources and their aquatic ecosystems for long-term public benefit by advancing science, education, and public discourse concerning fisheries and aquatic science and by promoting the development of fisheries professionals”.

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Oregon Chapter Website: www.orafs.org

Piscatorial Press is a quarterly newsletter of the Oregon Chapter American Fisheries Society, a non-profit membership organization. For submission deadlines see back page.

CHANGE OF ADDRESS:

Please submit a copy of your old & new addresses to both:

American Fisheries Society, Membership Department
 5410 Grosvenor Lane, Suite 110
 Bethesda, MD 20814-2199
 301-897-8616 main@fisheries.org www.fisheries.org

AND

Oregon Chapter AFS
 PO Box 722, Corvallis, OR 97339
 541-753-0442 LKBrenner@comcast.net

MEMBERSHIP APPLICATIONS:

Contact the national office or the Oregon Chapter, or visit their websites.
Be sure to tell the national office that you want to be an Oregon Chapter Member, dues are only \$2 per year!

Oregon Chapter's 41st Meeting Theme: "Multidisciplinary and Innovative Approaches to Aquatic Resource Conservation"

A PLENARY SPEAKER TO START EACH DAY AT THE OREGON AFS 2005 ANNUAL MEETING !

Instead of a long plenary session at the start of the 2005 Oregon Chapter Annual Meeting on Wednesday, February 16th, we are going to try something new: you will hear a plenary speaker at the start of each day before you spread out into the concurrent technical sessions. This is a new format to the Oregon Chapter AFS (ORAFS), but one that has worked well at other conferences. **As an extra incentive to attend the daily plenary sessions, coffee will be available before each plenary session begins.**

Our first plenary session speaker for the meeting will be former Oregon **Governor John Kitzhaber**, a powerful speaker and creative thinker dedicated to restoring and conserving watershed health. Part of Governor Kitzhaber's legacy is the innovative Oregon Plan for Salmon and Watersheds that fostered multidisciplinary management and monitoring efforts. Among other things, he is now president of *The Kitzhaber Center*, a natural resource center housed at Lewis & Clark Law School. We need to start early (**12 noon Wednesday**) to meet his schedule. **To help ease into the earlier start time, you can purchase a box lunch available starting at 11am (check the registration form on pages 9-10).** The title of Kitzhaber's plenary speech is: **"Creating a Society to Match our Scenery."**

On Thursday morning you will hear **John de Graaf**, an author and independent television producer who produced the insightful TV specials "Affluenza" and "Running Out of Time" and co-wrote the book *Affluenza: The All-Consuming Epidemic*. As the National Coordinator for "Take Back Your Time Day" (October 24th of each year), he provides troubling comparisons of present day U.S. society with the past and with other industrialized nations regarding levels of consumerism and time spent working to support the consumerism. He addresses the resultant impacts on our personal health and productivity, our families and relationships, our communities, and our environment. Many working in aquatic resource management and research find themselves over-worked trying to stave off the effects of consumerism and lack of concern for the environment! His presentation is titled **"Overworked Americans: The Impact on You, Family, Fish and More."**

Global warming is something potentially affecting all aquatic environments and their associated species in the Pacific Northwest, and Friday morning you won't want to miss hearing from a renowned expert on the topic. **Nathan Mantua** is an Assistant Professor of Atmospheric Sciences and Marine Affairs and a member of the Climate Impacts Group (CIG) at the University of Washington. The CIG has conducted applied interdisciplinary studies for 9 years, focusing on climate impacts on the water, forest, fishery and coastal resources in the Pacific Northwest. His presentation is titled **"Global Warming Scenarios for the Northwest and Their Implications for Northwest Salmonids."**

If you have questions regarding the plenary session or the annual meeting program, contact me at: 541-574-6111 bdmcperson@coho.net.

Submitted by Barry McPherson, President-Elect and Annual Meeting Program Chair

2005 ORAFS ANNUAL MEETING UPDATES

Be sure to get your 2005 Annual Meeting registration in by January 14, 2005 to avoid paying a late fee! The deadline to receive Oregon Chapter rates at the **Hilton Garden Inn and the Holiday Inn Express is also January 14, 2005**. After that date rooms will be available only as space allows. You can reserve rooms on-line or via phone, see the back page of the registration form for contact information. Please note: the Oregon Chapter codes are different for each hotel: enter "FSA" when registering for the Hilton Garden Inn, and "AFS" when registering at the Holiday Inn Express. You need to enter a code so the hotel knows that you are attending the Oregon Chapter meeting. **PLEASE NOTE: Full registration includes the Thursday night banquet, or you may choose the "no banquet option" (see registration form).**

Be sure to **register for the pre-meeting workshops** (see pages 7-8); you can choose between statistics, age and growth assessment, and "how-to-get certified in fisheries" workshops. In addition to the welcome coffee on Wednesday, February 16th, **2005 early risers will be rewarded! We will provide coffee and tea early in the morning before the start of each plenary session.**

This year's sessions will be held in both the CH2M Hill Alumni Center and the adjacent LaSells Stewart Center, so be sure to check the location of each session on your program. **Plan ahead...there will be 5 concurrent sessions on Wednesday afternoon and Thursday morning!**

Check out the post-meeting Fish Research Facilities tour on February 18th; details on (page 4).

In addition to the Poster Session Social, a **Trade Show** will also be part of the 2005 Annual Meeting. If you know vendors who may want to participate, contact **Doug Olson at doug_olson@r1.fws.gov (see page 11).**

Please make sure you make all the meal selections on the registration form. **Avoid the rush...pre-pay for a box lunch before the start of Kitzhaber's opening plenary session on Wednesday, February 16th;** see the registration form on

Continued on page 4

Annual Meeting Updates
Continued from page 3

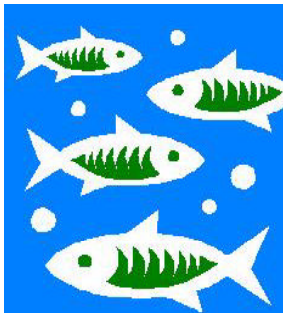
pages 9-10 for price and lunch selections. **Wednesday evening's Poster Session / Trade Show social, lunch at Thursday's Oregon Chapter Business Meeting, and the Thursday night banquet are included with your FULL registration fee. If you do not want to attend the banquet please mark the "NO BANQUET" option on the registration form.** If you don't attend the banquet, you may still attend the raffle and auction that starts at 7:30pm on Thursday night to get your pick of some great auction items! This year's beer will be provided by Full Sail Brewing Company, and other imbibements will be available for purchase.

"Match-the-Hatch" Student-Mentor Social: Students come discuss your ideas and survey employment prospects with experienced professionals in your field of interest on Wednesday evening, February 16th, from 6-7 pm in the CH2M Hill Alumni Center Lounge, Library and Living Room. **Please contact Molly Webb (Molly.Webb@oregonstate.edu) if you have questions about this event, or are a professional that would like to participate as a mentor.** Of course, there will be complimentary beer and non-alcoholic refreshments for all participants.

Calling all runners...join in on some early morning fun! Sign up for the **5K Spawning Run** at the registration desk. A map of the course will be posted at registration. We will meet in front of the CH2M Hill Alumni Center at 6:45 am, on Thursday, February 17th. Prizes will be offered to those who finish the closest to their expected running time.

The Annual Oregon Chapter Raffle and Auction will start after Thursday night's banquet. There is an additional charge for the banquet, but everyone may attend the renowned auction and raffle, which will start around 7:30pm, at the CH2M Hill Alumni Center. **Entertainment after the Chapter Raffle and Auction will be provided by NW Mobile DJ. Scotty "J" who will spin a variety of tunes** from hip hop to country, and each of you may serenade your fellow fisheries friends with Karaoke tunes! **To visit his website, go to <http://www.nwmobiledj.com>, and click on Karaoke. Don't be shy...there's no fee so sign up ahead of time!** You can search for your favorite Karaoke songs and send Scotty "J" the song you want to sing. Make sure you let him know this is for Oregon AFS!

Submitted by Molly Webb, External Director and Arrangements Chair



COME AND VISIT OSU'S FISH RESEARCH FACILITIES

The Oregon State University's Department of Fisheries and Wildlife and Oregon Cooperative Fish and Wildlife Research Unit's Fish Performance and Genetics Laboratory (FPGL) is a research facility located 5 miles from the OSU campus. This facility is dedicated to genetics, physiology, and contaminant exposure research and houses juvenile salmon, trout, and sturgeon among other fish species. Located next door is the John Fryer Salmon Disease Laboratory. This state-of-the-art facility works with infectious agents, diagnostic therapy, and vaccine development. People working at both facilities will host tours and answer questions on Friday, February 18th following the 2005 Oregon Chapter Annual Meeting from 1:30 to 3:00pm. **The tour is free and you can sign up in advance by contacting Carl Schreck at Carl.Schreck@oregonstate.edu; or on-site at the annual meeting registration desk.** A map will be provided at the registration desk to those who sign up for the tour.

Submitted by Carl Schreck, Tour Organizer

HERE'S YOUR CHANCE TO SHOWCASE YOUR WORK & PHOTOS!

Calling all AFS members, we need your photographs! Like last year, we are looking for pictures representing the different projects our members are involved in, photos of past annual meeting antics, your best "oh-wow!" photos, and more! These will be presented as an on-going slide show during the 41st Oregon Chapter Annual Meeting to be held February 16-18, 2005. Please send the digital files of these pictures via e-mail in JPEG, BMP, or TIF format to: **Jen_Stone@fws.gov**, or mail them on a CD to: **Jen Stone, USFWS, 1211 SE Cardinal Ct, Suite 100, Vancouver, WA 98683.** We look forward to seeing what you are doing out there! Questions? **Contact Jen at 360-604-2500.** Thanks!

INTRODUCING INFORMATION SHARING NETWORKS!

Proposed by the Ad Hoc Committee on Member Involvement, and adopted in concept by the Oregon Chapter AFS Executive Committee at their December 2004 meeting, the concept of Information Sharing Networks (ISN) will be introduced at the 2005 Annual Meeting in Corvallis. The ISN concept has three major objectives:

1. Support the Oregon Chapter Mission Statement of developing fisheries professionals by bringing together diverse and dispersed members in an informal setting to share information on common interests. This will result in improved communication between professionals while advancing science and education.
2. Information Sharing Networks will be charged with developing and maintaining a list of references concerning their topic that would be available to Oregon Chapter members. Special attention will be given to preserving information in gray literature and institutional memories that may be lost over time without this directed effort.
3. Information Sharing Networks will develop and identify groups of "experts" on special topics within the Chapter as potential future information sources that may be utilized by the Executive Committee to make informed decisions concerning resource issues.

GUIDELINES FOR INFORMATION SHARING NETWORKS:

1. Membership in any ISN will be open to any member of the Oregon Chapter. Younger members of the Chapter are especially encouraged to join ISNs to promote their professional development.
2. An organizational meeting for each proposed ISN will be held, and if three or more members wish to participate, the name/subject/topic and starting membership list will be transmitted to the Executive Committee and the ISN officially created and sanctioned.
3. Each ISN will appoint or elect a "lead" and "second" who will be the primary contacts, maintain the membership list and reference document, and schedule meetings and conference calls.
4. The Executive Committee will provide sanction and support for each ISN. The Chapter Secretary-Treasurer will maintain a membership list of each ISN to be updated annually and provided to the Executive Committee. When developed, an updated "Reference List" for the ISN subject will be developed by the ISN and provided to the Secretary-Treasurer.
5. A Contact Person will be appointed by the Executive Committee for each ISN. This Contact Person will facili-

tate communications to the Executive Committee and help facilitate meeting locations and/or conference calls for the ISN. It is anticipated that the contact person will be an Internal or External Committee Chairperson, but in some cases may be the External or Internal Director, both of which are members of the Executive Committee.

PROPOSED ISN RECRUITMENT AT THE 2005 ANNUAL MEETING:

At the Annual Meeting, ISNs will be organized under three broad topics: Aquatic Habitats, Methodologies, and Species. These are listed below. Chapter Members wishing to organize an ISN not listed below are encouraged to do so. **If you wish to have the opportunity to sign up members for another ISN, and are willing to be the temporary lead, please contact Tom Friesen, External Director, at (503) 657-2000 Ext. 411; tom.a.friesen@state.or.us.** Names and phone numbers will be taken at registration and during the evening socials by the temporary lead for each ISN (see list below). If you are not able to attend the Annual Meeting, feel free to contact the temporary lead for any ISN you wish to join.

PROPOSED INFORMATION SHARING NETWORKS:

AQUATIC HABITATS

Estuaries	Scott Heppell	(541) 867-0334
Desert Streams and Lakes	Roger Smith	(541) 883-5732
	Bill Tinniswood	(541) 883-5732
Coastal Streams	Erin Gilbert	(541) 757-4264 x444
Urban Streams	Dave Ward	(503) 657-2000 x402
High Lakes	Jeff Ziller	(541) 726-3515 x26
Columbia River	Alec Maule	(509) 538-2299 x239
Pacific Marine Habitats	Hal Weeks	(541) 867-0300 x279

METHODOLOGIES

Telemetry	Noah Adams	(509) 538-2299 x254
Fish Passage-Large and Small	Tim Shibahara	(503) 630-8234
Monitoring and Research Design	Pat Connolly	(509) 538-2299 x239
Hatcheries for the 21st Century	Susan Gutenberger	(509) 493-3156 x223

SPECIES

Invertebrates	Al Smith	(503) 628-7825
Lamprey	Jen Stone	(360) 604-2500
Sturgeon	Molly Webb	(541) 760-3951
Suckers	TBA	
Bull Trout	Peter Lickwar	(541) 383-7146
Cutthroat	TBA	
Marine Ground Fish	Steve Parker	(541) 867-0300 x256
Invasive and Introduced Species	Mike Gray	(541) 888-5515

Submitted by Don Ratliff, AFS and Oregon Chapter Member

SHARE THE WEALTH!

This year the Oregon Chapter would like to post information from the Annual Meeting presentations on our Web site (www.orafs.org). The approach would be to collect, in electronic form, the abstracts and the electronic presentations from each of the speakers at our 2005 Annual Meeting and post them on our website. The abstracts are already part of the program, and since all presentations are PowerPoint or similar electronic form, the talks would also be posted on the website. I've seen this done for other meetings and thought it was informative. The challenge will be collecting abstracts from each presenter or convener and putting together an easy-to-follow web format. The PowerPoint slides, even without text or audio, presented the information quite well. The Chapter hopes this endeavor will make very little additional work for presenters and will allow the knowledge to be shared, as well as provide an excellent archive of our annual meetings. I am willing to coordinate this activity and will work with people on the program to get the needed files. **In the meantime, if you have questions or comments contact me, Mary Buckman: 541-757-4263 Ext. 229; mary.buckman@oregonstate.edu.**

PLAN AHEAD!

The 2005 ORAFS Annual Meeting Has an Earlier Start Time!

**Wednesday Plenary Session Begins
February 16, 2005
at 12Noon**

Featuring former Governor John Kitzhaber



FINAL CALL FOR 2005 RAFFLE AND AUCTION DONATIONS!

The Oregon AFS Annual Meeting is right around the corner, and although time is running short, we are STILL accepting donations! Please remember that revenues from our popular silent and oral auction and raffle are used to support Chapter activities and actions, so attendees should think of it as more of a philanthropic event as opposed to a blue light special at K-Mart. Your donations are also tax-deductible! Many very cool and unique items such as: a wine tasting (featuring hard-to-find red wines) and dinner for four hosted by everybody's favorite Dave Ward, original artwork by Joseph Tomelleri, and a signed copy of *Inland Fishes of Washington*, 2nd edition. This year raffle tickets will be on sale at the registration desk from the time that registration opens until just prior to the drawings, so buy early and buy often. We will need volunteers (e.g. committee members, etc.) to sell raffle tickets. That being said, if you are hoping to make a contribution (either a donation or time and assistance) please contact Martyne Reesman or Tucker Jones as soon as possible. Donation forms and a full list of items currently on hand for the meeting are posted on the Oregon AFS website: www.orafs.org. Donations may be sent to: Martyne Reesman; c/o ODFW; 17330 SE Evelyn Street; Clackamas, Oregon 97015. Remember, pain is fleeting—GIVE TILL IT HURTS! THANKS!!!

Tucker Jones
(503) 657-2000 Ext. 410
tucker.a.jones@state.or.us

Martyne Reesman
(503) 657-2000 Ext.425
amartini70@yahoo.com

OREGON AFS OFFERS THREE PRE-MEETING WORKSHOPS!

The Oregon Chapter is offering three pre-meeting workshops before the 2005 Annual Meeting. Two of the workshops will be held over two days, and a free certification workshop will be offered Wednesday morning before the start of the annual meeting. Use the 2005 Annual Meeting Registration Form on pages 9-10 to register for these workshops. Check the Oregon Chapter website for workshop updates: www.orafs.org.

Workshop A: Statistical Design and Planning

The statistical workshop is taking shape and we are anticipating an informative session about statistical experimental design and survey planning. With the meeting being held on the OSU campus, have a great opportunity for participation from some of the faculty at Oregon State University as well as biometricians at ODFW. As you may have read, in a survey by the Parent Society, statistical design was the number 1 area in which biologists seek continuing education. The workshop will take place over two days, just prior to the 2005 Annual Meeting, and starts on Tuesday, February 15th 1:00–5:00 p.m. and continues Wednesday, February 16, 8:00–11:30 a.m. It will be held at the CH2M Hill Alumni Center at Oregon State University.

The tentative outline for the workshop is:

1. Science, the scientific method, and statistics
 - 1.1. Observational studies
 - 1.2. Experimentation
 - 1.3. Survey samples
2. What is the question?
 - 2.1. Study objectives – geographic and time scales
 - 2.2. Response variables
3. Populations and sampling, parameters and statistics, probability concepts
 - 3.1. Data distributions
 - 3.2. Data types – discrete and continuous ~ proportions and means
4. Replication and scope of inference
5. Statistical significance
 - 5.1. Statistical significance vs. biological significance
 - 5.2. Type I and Type II Errors
 - 5.3. Sample sizes
6. Statistical inference
 - 6.1. Data description and confidence intervals
 - 6.2. Comparing information – hypothesis testing
 - 6.3. Estimating trends
7. Survey sampling
 - 7.1. Overview and contrast with experimental design
 - 7.2. Survey samples for salmonids (EMAP)
8. Ethical and appropriate use of statistics, good and bad science—discussion
9. Tools available—computer programs and books

Several OSU faculty have tentatively agreed to help: Dr. Don Stevens, EMAP guru; Dr. Virginia Lesser, head of the OSU Survey Research Center; and Dr. Lisa Ganio, Director



of the Quantitative Science Group in the Department of Forestry at OSU. In addition to myself from ODFW, Bryan Wright of the ODFW Wildlife Division will also be a presenter. Bryan is a biometrician working with marine mammals and their interaction with salmonids.

The format will be structured, but informal, with opportunity for questions and discussion. It will be primarily non-mathematical. There's just not enough time in 8 hours to get to the nuts and bolts of the number crunching, but we have computers to do that anyway. We will adjust the content to the level of need of the participants and try to apply the concepts to some real world situations.

I am soliciting some software vendors to participate and the instructors also have a good range of knowledge of good statistical programs and we plan to briefly demonstrate several programs. I have also turned in the paperwork to receive continuing education credit from the Parent Society and will have that information available at the workshop.

And as icing on the cake, a little known, but possible added benefit of attending the workshop might be an inside track to the presenters. I can imagine a phone call in the future to one of the instructors —“Remember when you told us about such and so at the statistics workshop. What would you do if...?”.

Registration is \$100 for AFS members and \$125 for nonmembers. Student and retiree rates are \$80 for members and \$105 for nonmembers; register using the Annual Meeting form on pages 9-10. **If you have questions, contact Mary Buckman at: 541-757-4263 Ext. 229; mary.buckman@oregonstate.edu.**

Submitted by Mary Buckman, ORAFS Legislative Chair

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Oregon Chapter AFS Workshops
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Workshop B: Age and Growth Assessment and Validation Techniques

◆How old is it? ◆How do you know? ◆Can you believe it? If you have some experience interpreting fish ages and you would like to broaden that experience by looking at other species and learning about different techniques, you might be an aging geek. Not an old geek who is getting older, but an aficionado interested in assigning age values to animals that cannot tell us directly how long they have lived. Then this might be the workshop for you.

This workshop will take place over two days, just prior to the 2005 Annual Meeting, and starts on Tuesday, February 15th 1:00–5:00 p.m. and Wednesday, February 16, 8:00–11:30 a.m. It will be held at the CH2M Hill Alumni Center at Oregon State University. Major topics and activities will include:

- ◆Aging and growth assessment methods for a number of species and families including salmonids, sturgeon, mussels and others.
- ◆Exposure to several age estimation techniques—scales, otoliths, spines, break and burn, optical pattern recognition, oxytetracycline marking.
- ◆Aging animals without persistent hard parts.
- ◆What happens when von Bertalanffy fails to describe observed growth?
- ◆Some techniques for validating aging methods.
- ◆What are potential consequences of being wrong?

The workshop will be a mix of presentations, demonstrations, and hands-on opportunities. Registration is \$100 for AFS members and \$125 for nonmembers. Student and retiree rates are \$80 for members and \$105 for nonmembers; register using the Annual Meeting form on pages 9-10. **For more information contact Tom Rien: tom.a.rien@state.or.us, or 503-657-2000 ext. 404.**

Workshop C: AFS Certification...A How-To Guide

There is no time like the present to become AFS certified! At this FREE workshop, AFS representatives will walk you through the process, answer all of your questions, and get you organized and well on your way to sending in your application. If your excuse has always been "who has the time?"...you do! The workshop will run from 9:00-11:30a.m. Wednesday, February 16, 2005, at the CH2M Hill Alumni Center at OSU, just before the Oregon Chapter Annual Meeting. Register on pages 9-10. **For more information contact Jen Stone at: jen_stone@fws.gov or 360-604-2500.**

BE A STUDENT VOLUNTEER!

Your Registration Waived at the 2005 Oregon AFS Meeting!

We are seeking college undergraduate or graduate students to help with pre-registration, registration and sales, AV-computer equipment & room lights, poster session set-up and take-down, etc.

Learn About Fisheries & Aquatic Ecosystem Research and Management in Oregon; Meet fisheries professionals in an informal setting and get to know ORAFS, members, and officers;

FREE REGISTRATION for the 2005 AFS Meeting in Corvallis and two nights of **GROUP** lodging in exchange for approximately 4 hours of on-site volunteer work, or 12 hours pre-meeting assistance.

**To volunteer or for more information
please contact:**

**Karen Wegner, ODFW
541-757-4263 ext. 220**

karen.wegner@oregonstate.edu

AM I CERTIFIABLE? PART 2

When we last left our hero (that's me), I had invested about 6.5 hours of my extremely valuable time to complete and submit my application for professional certification. I sent it in to AFS on September 13.

Well, no one said this was going to be quick. On September 20 I received an email from the nice folks at AFS thanking me for my interest, and letting me know that I would be informed about my certification status as soon as possible. I await my fate...

Submitted by Dave Ward, patient Past President

OREGON AFS TENTATIVELY AWARDS TWO CERTIFICATION SCHOLARSHIPS

As you know, Oregon AFS is taking new actions to promote AFS certification by offering competitive scholarships to reimburse successful member's certification application fee (\$50 for associate, \$100 for certified). This year's scholarships go to Michelle Koehler and David Ward. Applicants will be reimbursed by the Chapter upon confirmation of AFS certification. Stay tuned to see how successful they are!

Submitted by Jen Stone, Education & Outreach Chair

REGISTRATION FORM - ANNUAL MEETING & WORKSHOPS (Page 1 of 2)

Oregon Chapter American Fisheries Society ~ 41st ANNUAL MEETING

FEBRUARY 16-18, 2005

"Multidisciplinary and Innovative Approaches to Aquatic Resource Conservation"
CH2M Hill Alumni Center & LaSells Stewart Center, Oregon State University, Corvallis
Pre-meeting Workshops (February 15-16) - See Information Below
(Early registration deadline: January 14, 2005 ~ Submit one form per person)

Name (first and last as you want name badge to read) _____

Organization _____ Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Guest Name (for additional name tag) _____

*Member of _____ AFS Chapter(s) I DO NOT want my name included on an attendee list

PLEASE CHECK THE APPROPRIATE BOXES:

I am presenting a (circle one) paper / poster / both I plan to attend 'Match the Hatch' Student-Mentor Social Wed. night

I am a student presenter and would like to be included in the student (circle one) paper / poster competition / both I would like to be a **mentor** at the Student-Mentor Social Wed. night. Indicate area of professional interest: _____

MEETING REGISTRATION February 16-18, 2005 - (Feb. 16: Coffee 10am, Plenary 12Noon; Feb. 18: Adjourns 12Noon).

Full Registration includes: Coffee Breaks, Social & Poster Session, Thursday Lunch and Banquet, Raffle & Auction
 *Become a member of AFS...reduce your registration costs! Sign up at www.fisheries.org/html/forms.shtml for membership information
 Yes! I have just paid AFS membership dues, please register me at member rates! (please enclose copy of membership application)

AFS MEMBER (write fee on the line to the right)

EARLY REGISTRATION Submitted by January 14, 2005

	Full Registration	Registration-No Banquet
Regular	\$123	\$97
Retired	\$98	\$72
Student	\$78	\$52
One-day registration see next page ¹		

NON MEMBER (write fee on the line to the right)

EARLY REGISTRATION Submitted by January 14, 2005

	Full Registration	Registration-No Banquet
Regular	\$148	\$122
Retired	\$123	\$97
Student	\$88	\$62
One-day registration see next page ¹		

\$ _____

Thursday Business Lunch (Feb. 17) - Included with all registrations - Please check your selection:

Dijon Mushroom Chicken Pork Roast Spanakopita (Vegetarian) I Will Not Be Attending the Lunch

Thursday Night Banquet (Feb. 17) - Included with FULL registration - Please check your selection:

_____ Halibut with Hazelnuts & Fruit Salsa _____ Beef Tenderloin w/ Mushrooms & Bleu Cheese _____ Ravioli w/ Creamy Pesto (Vegetarian)

LATE FEE (Add to all registrations submitted after January 14, 2005)

\$20 / Registrant \$ _____

**** SPECIAL "BOX LUNCH" LUNCHEON ** (Wed. Feb. 16, 11:30 am) - Grab a quick lunch that includes a drink & dessert**

Turkey Sandwich Ham Sandwich Vegetarian Wrap (Vegetarian) **\$ 9 / Lunch** \$ _____

BRING A GUEST TO: WEDNESDAY NIGHT SOCIAL & POSTER SESSION

THURSDAY BUSINESS LUNCHEON (indicate lunch choice above) **\$10 / Guest** \$ _____
THURSDAY NIGHT BANQUET (indicate banquet choice above) **\$16 / Guest** \$ _____
\$26 / Guest \$ _____

PRE-MEETING WORKSHOPS - Workshops A&B - Feb. 15 (1:00-5:00pm) & Feb. 16 (8:00-11:30am) Workshop C - Feb. 16 (9-11:30am)

Please indicate workshop choice(s). See workshop descriptions on the Oregon Chapter Website or in this newsletter.

Workshop A. "Experimental and Survey Design in Fisheries: A Statistics Workshop" - Mary Buckman (facilitator)

Workshop B. "Age and Growth Assessment and Validation Techniques" - Tom Rien (facilitator)

Workshop C. "AFS Certification... A How-To Guide" - FREE Jen Stone (facilitator)

WORKSHOP FEE (A or B - circle one) EARLY REGISTRATION Postmarked by January 14, 2005

\$100 AFS MEMBER
\$ 80 AFS STUDENT / RETIREE
\$125 NON-MEMBER
\$105 NON-MEMBER STUDENT / RETIREE

\$ _____

LATE FEE (Add to workshop registrations submitted after January 14, 2005)

\$20 /registrant late fee \$ _____

SUBTOTAL OF PAGE ONE MEETING FEES

Registration form continued on next page

REGISTRATION FORM (Page 2 of 2)
2005 ANNUAL MEETING & PRE-MEETING WORKSHOPS
Federal Tax ID # 23-7226681 - Oregon Chapter American Fisheries Society

EARLY MEETING REGISTRATION DEADLINE: JANUARY 14, 2005

GROUP LODGING RATE DEADLINE: JANUARY 14, 2005

Last Name of Registrant:

SUBTOTAL FROM PAGE ONE:

VOLUNTARY CONTRIBUTION TO SPONSOR STUDENT REGISTRATION & LODGING (Tax Deductible) - Thank You! \$ _____

PURCHASE ORDER PROCESSING FEE-\$20 PER SEPARATE INVOICE \$20/invoice \$ _____

TOTAL PAYMENT DUE:

Registrations cannot be held unless paid in full.

We accept payment by check, money order, Mastercard, Visa or Discover.

Payment by check saves the Oregon Chapter money by avoiding credit card processing fees. Thanks!

CHECKS & MONEY ORDERS PAYABLE TO: OREGON CHAPTER AFS

VISA, MASTER CARD or DISCOVER PAYMENT (please include all information for processing)

PRINT NAME (from card) _____ CARD # _____

SIGNATURE _____ EXPIRATION DATE _____

DIGIT CIN # (from back of card) _____ ZIP CODE (from credit card billing address) _____

MAIL REGISTRATION TO: Oregon Chapter AFS - AM 2005
P.O. Box 722
Corvallis, OR 97339

FAX REGISTRATION TO: 541-757-4102 (ATTN: MARY BUCKMAN)

AFTER FEBRUARY 7, 2005: Email LKBrenner@comcast.net or call 541-753-0442 to indicate you will attend the meeting. **You will still need to register on-site** at the AFS desk at the CH2M Hill Alumni Center. On-site registrants **cannot** be guaranteed meal choices.

ONE-DAY REGISTRATION FEE FOR MEETING: For February 16, 17, & 18 = 80% of your full meeting rate.

REGISTRATION REFUNDS: AFS cancellations sent *in writing* prior to February 7, 2005 will be refunded in full minus a \$20 handling fee. **NO REGISTRATION REFUNDS AFTER FEB 7, 2005.**

HOTELS:

Hilton Garden Inn

(\$96/night/ 2-person room, adjacent to meeting site) For the group rate: enter "FSA" in the Group/Convention code when booking on-line or over the phone. 1-800-445-8667
www.corvallis.gardeninn.com

Holiday Inn Express

(\$75/night/ 2-person room, 2 miles from meeting site). For the group rate: enter "AFS" in the Group Booking code when booking on-line or over the phone. 1-800-465-4329
www.ichotelsgroup.com/h/d/6c/1/en/hd/cvoor

You must enter the code so Oregon AFS will get credit for your room.

Reservations must be made by January 14, 2005 to guarantee rates.

Hotel cancellations must be made 48 hours prior to check-in date for full refund.

ANNUAL MEETING QUESTIONS: Molly Webb, Molly.Webb@oregonstate.edu; 541-737-2463

REGISTRATION QUESTIONS: Loretta Brenner, LKBrenner@comcast.net; 541-753-0442

ANNUAL MEETING UPDATES & INFO: www.orafs.org/meetings.htm

The State of the Salmon Consortium presents a conference on:
“Building the New Agenda for North Pacific Salmon Conservation”

**April 17-20, 2005
 The Hilton Hotel
 Anchorage, Alaska**

**Poster Abstracts are Due
 February 15, 2005**

**Contact Sydney Mead
 503-467-0767
 sydney@ecotrust.org
 www.stateofthesalmon.org**

The State of the Salmon Consortium will host an international conference in Anchorage, Alaska from April 17-20, 2005, to shape the future of Pacific salmon policy. The event, “Building the New Agenda for North Pacific Salmon Conservation,” will attract key decision makers, opinion leaders, scientists and fisheries managers from countries around the Pacific Rim. The Consortium – the only group that addresses science and policy matters related to salmon at this scale– is in a unique position to bring together this range of experts. The four-day conference, simultaneously interpreted in three languages, will explore the major challenges and opportunities in Pacific salmon conservation and management.

DRAFT PISCATORIAL PRESS RESOLUTION 2005

To send electronic (vs. paper) copies of the Oregon Chapter American Fisheries Society (ORAFS) quarterly newsletter *Piscatorial Press* to members

Whereas printing and bulk mailing of the *Piscatorial Press* costs the ORAFS approximately \$2,600 per year; and

Whereas the ORAFS continues to spend more money annually than it receives; and

Whereas paper copies of the *Piscatorial Press* are unnecessary uses of natural resources for persons with website access; and

Whereas the ORAFS Administrative Assistant already sends electronic copies of the *Piscatorial Press* to those requesting it; and

Whereas many AFS subunits and other organizations send their newsletters electronically:

We therefore resolve that, beginning with the spring 2005 issue, the *Piscatorial Press* shall be electronically mailed and made available on the ORAFS website, unless members explicitly request otherwise.

This resolution will be presented to Oregon Chapter members for a vote during the Business Lunch at the 2005 Oregon Chapter AFS Annual Meeting, on Thursday, February 17, 2005. **If you have comments or questions about this resolution, please contact Laura Tesler, Oregon Chapter Vice President at: 503-947-6259; laura.tesler@state.or.us.**

TRADE SHOW RETURNS TO THE 2005 ANNUAL MEETING!

Come see some of the latest products, resources, and services in the fisheries field or spice up your home or office with wildlife art! The Oregon Chapter will host a Trade Show during the annual meeting, February 16-18, 2005, at the CH2M Hill Alumni Center at Oregon State University. The trade show will open Wednesday night, February 16th in conjunction with the Poster Session and Social, and run until Friday, February 18th. Space is still available, so consider registering yourself or inviting your favorite vendors.

Trade show applications can be downloaded from the Oregon Chapter AFS website at www.orafs.org. For more information and rates, contact Doug Olson, Chapter President, at 360-604-2500, doug_olson@r1.fws.gov.

Cast your vote at the Oregon Chapter 2005 Annual Meeting Business Luncheon

2005-06 ORAFS EXECUTIVE COMMITTEE OFFICER NOMINATIONS

Once again we have excellent candidates for offices on the Oregon Chapter AFS ExCom. The five offices we fill each year are President-Elect (3-year term as President-Elect, President, and Past-President); Vice President; Secretary Treasurer; Internal Director; and External Director. Nominees will be accepted up to and during the Business Meeting Luncheon on February 17, 2005. Current Oregon Chapter members may vote during the Business Lunch or by Proxy (see web site for "Vote by Proxy" form). Current President-Elect Barry McPherson will move into the President spot next year, and current President, Doug Olson will move into the Past-President position. **For more information about each office or to submit nominees, contact Past-President Dave Ward at 503-657-2000 Ext. 402; or David.L.Ward@state.or.us.**

Nominee for President-Elect: Mike Reed

Hello, my name is Mike Reed and I am running for President-Elect of the Oregon Chapter of the American Fisheries Society. My platform is involvement and education. As experts in the field of natural resources, we have an enormous responsibility to present and future generations of Oregonians to ensure that decisions made by each and every member of our society are made with the best available information. The American Fisheries Society can play an important role in this respect. Since our members come from many different public and private organizations, we are an organization that reflects the diversity that exists in Oregon and in our modern society. I would like to encourage the expression of this diversity in our Annual Meetings and External Committees. We need to continue to explore new ways to educate and encourage involvement by the public in the important conservation issues of our time.

As President I will encourage continued involvement of our members in all

the diverse settings and "publics" that exist in Oregon today, whether that is with business groups, local jurisdictions, legislators, or other resource professionals. My personal experience with the private sector, Indian tribes, local jurisdictions and state and federal agencies has helped me see the many and diverse opinions that we need to understand in order to find a common ground and seek change.

I am presently a fisheries biologist and ESA Permits Compliance Manager for the City of Portland. I have seen the City take some bold steps towards managing natural resources in an environmentally responsible way, as well as working in coordination with state, federal and tribal agencies. As President I will work to involve all members of the Oregon Chapter and work to continue to build a strong AFS membership.

Nominee for Vice President: Laura Tesler

Incumbent VP Laura Tesler has graciously agreed to serve another term if so elected. Hurray for Laura!

Nominee for Secretary-Treasurer: Ian Reid

A lifelong Oregonian, I received a Bachelor's and Master's of Science in Biology from Southern Oregon University and a Bachelor's in Fisheries Science from Oregon State University. I have worked in Oregon's freshwater fisheries for seven years and am currently a Fisheries Biologist for the Rogue River-Siskiyou National Forest in Ashland. I am responsible for planning (budget and logistics), implementing, and monitoring stream and lake habitat enhancement projects for coldwater and warmwater fishes and for assessing and mitigating the impacts of management activities to fishery resources. Also I have developed several interpretive and educational resources describing fisheries issues and recreational fishing opportunities on the RRSNF. Recently I co-facilitated an intensive native fish restoration project in

northern Arizona using piscicides and barrier construction in wilderness. I am especially interested in human dimensions aspects of fisheries management and in restoring salmon and steelhead populations through habitat manipulation.

I have been an ORAFS member since 2000 and have presented at chapter meetings about diverse fisheries issues in southwestern Oregon. I have recently applied for Certified Fisheries Professional status from the Parent AFS. I have also been recently appointed Editor of the *Murreletter*, the quarterly newsletter of the Society for Northwestern Vertebrate Biology, and hope to provide a fisheries perspective to that group. I eagerly await the opportunity to contribute to the Oregon Chapter, the organization most responsible for developing my skills as a fisheries scientist. I believe I have the necessary budget experience, attention to detail, and enthusiasm required of a dependable secretary-treasurer. I look forward to serving you.

Nominee for Internal Director: Neil Ward

I am presently the Fish and Wildlife Project Coordinator for the Columbia Basin Fish and Wildlife Authority (CBFWA) and have been an American Fisheries Society member for 15 years. The CBFWA is a non-profit organization that assists the federal, state, and tribal fish and wildlife managing entities throughout the Columbia River Basin. We provide a forum to facilitate the exchange of information among fish and wildlife managers.

The Oregon Chapter's Annual Meeting has a well-deserved reputation for excellence, and maintaining that status will be a top priority. The Chapter's Annual Meeting provides natural resource professionals and students an opportunity for self-improvement as well as an opportunity for public outreach.

I believe my familiarity with fisheries issues in the Pacific Northwest and experience developing, coordinating, and

facilitating fisheries-oriented meetings/conferences will allow me to make significant contributions to the Chapter as its Internal Director.

Nominee for External Director: Karen Wegner

Currently, I am working for the Oregon Department of Fish and Wildlife for the Natural Resources Information Management Program. My background includes working for the U.S. Geological Survey and the U.S. Environmental Protection Agency. Immediately prior to my position with ODFW I worked as a Wildlife Biologist for the U.S. Geological Survey at the Forest and Rangeland Ecosystem Science Center conducting wetland surveys in the Willamette Valley and Portland Metro area.

Last year I was a Steering Committee Member, and I moderated a session on Management and Conservation, for the Urban Ecosystem Research Consortium's 2nd Annual Symposium in Portland. In 1999, while at U.C. Davis, I participated in the review of recovery plans. This project was conducted by the Society for Conservation Biology through the National Center for Ecological Analysis and Synthesis. I have a strong interest in policy and the science that guides it.

I believe strongly in public outreach and education. I have taught Aquatic Ecology and Salmon Life History sections for the Corvallis Outdoor School, and I am the leader of a Benton County 4-H club that focuses on amphibians and reptiles. I am currently coordinating student volunteers for the 2005 ORAFS meeting, and I think the relationship between working professionals and students is invaluable and needs to be well cultivated.

The External Director has many diverse duties and is responsible for motivating various committees. I believe my diverse background and interests, including knowledge of research and policy within the Columbia Basin, my dedication to public outreach and education, and my skills at organizing and coordinating projects and events will help me to be a successful External Director for the Oregon chapter.

Compiled by Dave Ward, Past-President and all-around good guy

EXTERNAL DIRECTOR'S REPORT & COMMITTEE UPDATE

The Oregon AFS External Committees continue to have an active year. In October, the **Education and Outreach Committee**, then chaired by Nancy Uusitalo, conducted a teacher workshop at the Oregon Zoo. The workshop provided primers on northwest fishes and ideas for incorporating fish in classroom activities. The sessions were well attended and we received many positive comments; thank you to everyone who helped put this together (Nancy, Donna Allard, Jen Stone, Jennifer Poirier, and others). Jen Stone took over as the chair of this committee in November, and is working on posting comments from the workshop on our website.

Tom Stahl and the **Aquatic Habitat Committee** reviewed and commented on proposed rule changes for riparian protection ("Rule Concept #8") in Oregon's Forest Practices Act. The comments were approved by the Executive Committee and can be accessed on the ORAFS website (follow the links to Communications > Position Papers and Comments). Tom is continuing to work on promoting AFS involvement in the National Fish Habitat Initiative (NFHI). The goal of the NFHI is to focus national attention and resources on common priorities to improve the health of aquatic habitats. **For more information, go to www.fishhabitat.org.**

The **Natural Production Committee** (Lance Kruzic) and the **Fish Culture Committee** (Susan Gutenberger) teamed up on reviewing the NOAA Hatchery Listing Policy. Their comments (and President Doug Olson's) were sent in an official ORAFS statement to NOAA; the letter is available on the Chapter website. Natural Production will also be involved with reviewing the ODFW Sensitive Species List.

Mary Buckman chairs the **Legislative Committee**, and is busy with three primary tasks. The committee is scheduled to meet with Jim Myron, one of Governor Kulongoski's Natural Resource Policy advisors, to talk about how ORAFS can be more effective in

the Legislature. Mary is also working with the Executive Committee to invite legislators to the Annual Meeting in February. The committee is also developing a plan to link chapter members with their legislators by matching members with their legislative districts, creating opportunities for contact and information exchange on fishery-related issues.

At press time, I am in the formative stages of coordinating ORAFS comments on the proposed critical habitat designations for 13 evolutionarily significant units of salmon and steelhead in Washington, Oregon, and Idaho. There is a 60-day public comment period for these proposals, and we are considering offering both written comments and oral testimony on this important issue.

In other news, the Ad Hoc committee of Doug Olson, Don Ratliff, Barry McPherson, Hiram Li, and I met to discuss enhancing the existing committees by forming "Information Sharing Networks" (ISNs). The ISNs are proposed to be informal groups that will share information on special topics and provide a resource for the Chapter, especially the external committees. We will introduce the topic and solicit comments at the Chapter meeting in Corvallis (immediately after the Plenary Session on February 16). For more details, see the article on page 5.

Finally, the 2005 Annual Meeting may be your best opportunity EVER to get involved with Oregon AFS. There will likely be several committee chair positions open (Education and Outreach, for one), and if that seems like too much responsibility, you can sign up to serve as a member of one of our five committees. There will also be 20 or more ISN groups to choose from if the idea takes hold. There's something for everyone, as the saying goes, and your involvement, responsibility, and commitment can be at whatever levels you choose. See you in Corvallis (GO BEAVERS!).

Submitted by Tom Friesen, External Director

Summer Mentoring and Scholarship Opportunity for High School Students

The Hutton Junior Fisheries Biology Program is a summer educational program sponsored by the American Fisheries Society (AFS). The principal goal of the program is to stimulate interest in careers in fisheries science and management among groups underrepresented in the fisheries professions, including minorities and women. Application to the program is open to all high school sophomores, juniors, and seniors regardless of race, creed, or gender. Because the program seeks to increase diversity within the fisheries professions, preference will be given to qualified women and minority applicants.

The Hutton Junior Fisheries Biology Program provides students with a mentor and a summer-long, hands-on experience in fisheries science in either a marine and/or freshwater setting. A scholarship is provided to students accepted into the program.

Mentor and student applications are due February 15, 2005. For applications and more information, click on the Hutton Program navigational bar on the AFS website at www.fisheries.org.

Catch a Quick Lunch Before the 2005 Annual Meeting!

Great for workshop participants and for those wanting a chance to relax, meet colleagues and avoid the lunchtime rush before the February 16th Plenary Session with Kitzhaber.

Box Lunches will be available for \$9.00 per lunch at the CH2M Alumni Center

Order your box lunch on the 2005 Registration Form on pages 9-10.

COASTAL CUTTHROAT TROUT SYMPOSIUM: Biology, Status, Management, and Conservation

September 29-October 1, 2005
Fort Worden State Park, WA (near Port Townsend)
<http://www.orafs.org/cutthroat.html>

Symposium Objectives:

Update information and activities since the 1995 Reedsport symposium. Enhance knowledge on all facets of life history and ecology. Provide current assessment of the status of populations coast-wide. Encourage development of a coordinated, coast-wide conservation plan.

Call for Papers:

Interested individuals are invited to submit abstracts for papers and posters. **Abstracts must be in standard AFS format and submitted by March 15, 2005. Send abstracts to: tim_cummings@fws.gov.** Presenters will be required to submit a paper or extended abstract for a peer-reviewed AFS proceedings publication. Sponsored by: The U.S. Fish and Wildlife Service, Pacific States Marine Fisheries Commission, Oregon, Humboldt, Alaska, and North Pacific International Chapters of the American Fisheries Society.

Symposium Contacts:

Arrangements: Doug Young doug_young@fws.gov
Program: Tim Cummings tim_cummings@fws.gov

Sessions:

Biology: Ron Ptolemy Ron.Ptolemy@gems2.gov.bc.ca

Status and Trends: Roger Harding
roger_harding@fishgame.state.ak.us

Management: Charlie Corrarino
Charles.A.Corrarino@dfw.state.or.us, &
Jim Uehara ueharjku@dfw.wa.gov

Conservation Planning: Doug Young doug_young@fws.gov

Poster Session: Kurt Beardslee kurt@washingtontrout.org

For additional information (e.g., registration, meals and lodging packages, draft program, local area attractions) visit the Coastal Cutthroat Trout Symposium homepage:
(<http://www.orafs.org/cutthroat.html>).

Get Your Event on the Calendar!

Submit your conferences, workshops, and other important events to Loretta Brenner: LKBrenner@comcast.net. Please include date, contact person, website, email, etc. Thanks!

Are You a Life Member?

If you answered "yes," have you paid your annual Oregon Chapter dues?

Oregon Chapter dues are only \$2.00 per year, but you must send in your dues annually.

Just let the National AFS office know that you are a Life Member paying your Oregon Chapter dues. **If you don't pay, you're not included in the Oregon Chapter mailing list!**

Thanks for your help! For more assistance contact: Loretta Brenner, 541-753-0442; LKBrenner@comcast.net

AFS Member Receives Award

Dr. Robert T. Lackey of the Environmental Protection Agency's research laboratory in Corvallis, Oregon was selected as the 2004 recipient of EPA's "Future Issues" award. Lackey was selected based on his efforts with the Salmon 2100 Project, a collaborative effort to identify scientifically sound salmon recovery strategies that, if adopted, likely would sustain wild salmon along the west coast of North America through this century. The Project, jointly administered with Oregon State University professor Denise H. Lach, involves 30 salmon scientists and policy experts from California, Oregon, Washington, Idaho, and British Columbia who have joined forces in the project. The conclusions of the Project will be published in a book scheduled for release by the American Fisheries Society in 2006.

CALENDAR

2005

FEBRUARY 16-18, 2005

OREGON CHAPTER AFS 41ST ANNUAL MEETING
"Multidisciplinary and Innovative Approaches to Aquatic Resource Conservation"

Oregon State University, Corvallis, Oregon

FMI: www.orafs.org/meetings.htm

Meeting Chair: Barry McPherson

Phone: 541-574-6111; bdmcperson@coho.net

Arrangements: Molly Webb

541-737-2463; molly.webb@oregonstate.edu

Registration: Loretta Brenner

541-753-0442; LKBrenner@comcast.net

FEBRUARY 15-16, 2005

PRE-MEETING WORKSHOPS

OREGON CHAPTER AFS 41ST ANNUAL MEETING

Workshop A: "Experimental and Survey Design in Fisheries: A Statistics Workshop"

Contact: mary.buckman@oregonstate.edu or

541-757-4263 Ext. 229

Workshop B: "Age and Growth Assessment and Validation Techniques"

Contact: tom.a.rien@state.or.us or 503-657-2000 x 404

Workshop C: "AFS Certification...A How-To Guide"

Contact: jen_stone@fws.gov or 360-604-2500

SEPTEMBER 11-15, 2005

NATIONAL AFS 2005

AFS 135TH ANNUAL MEETING

"Creating a Fisheries Mosaic: Connections Across Jurisdictions, Disciplines, and Cultures"

(Held in conjunction with the 2005 Western Division and Alaska Chapter Annual Meetings, and the 23rd Lowell Wakefield Fisheries Symposium on Pacific Rockfishes)

Anchorage, Alaska

Abstract Deadline: February 11, 2005

FMI: <http://www.wdafs.org/Anchorage2005/index.htm>

SEPTEMBER 29-OCTOBER 1, 2005

*COASTAL CUTTHROAT TROUT SYMPOSIUM:
BIOLOGY, STATUS, MANAGEMENT, AND
CONSERVATION*

Fort Worden State Park, WA (near Port Townsend)

Paper & Poster Abstract Deadline: March 15, 2005

Contact: doug_young@fws.gov or

tim_cummings@fws.gov

FMI: <http://www.orafs.org/cutthroat.html>

**OREGON CHAPTER AFS
41ST ANNUAL MEETING 2005**

**“Multidisciplinary and Innovative Approaches to
Aquatic Resource Conservation”**

February 16-18, 2005

Pre-meeting Workshops: February 15th (1-5pm) &
February 16th (8-11:30am)

DRAFT 2005 ANNUAL MEETING PROGRAM

(Changes to program may occur. Check with Program
Chair: bdmcperson@coho.net or www.orafs.org)

First author listed is presenter, otherwise presenter is marked
with an asterisk. Student Presenters for Best Paper Competi-
tion listed in **BOLD TYPE**.

Wednesday, February 16, 2005

10:00am Registration Opens & Welcome Coffee
(Note coffee & tea will be available before
each morning plenary session)

Plenary Session I
(Box lunch available before session, must pre-pay)

12:00-12:15 Opening Remarks & Welcome
Doug Olson, President, Oregon AFS
Barry McPherson, President-Elect &
Program Chair, Oregon AFS

12:15-1:00 Dr. John Kitzhaber, former Governor of
Oregon and now president of The
Kitzhaber Center, a natural resource
center housed at Lewis & Clark Law
School - “Creating a Society to Match our
Scenery.”

1:00-1:30 Information Sharing Networks: New Ways
to Professional Development and Chapter
Activities - Speaker TBD

1:30-1:40 “Migration Time”—
Navigate to Concurrent Sessions!

Session 1: Salmon 2100 Project: What Will It Take to
Restore NW Salmon?
Conveners: Bob Lackey (EPA) and Denise Lach (OSU)

1:40 Session Overview

1:50 The Salmon 2100 Project: How to Sustain Signifi-
cant, Sustainable Runs of Wild Salmon Through 2100
Bob Lackey (EPA) and Denise Lach (OSU)

2:10 Climate and Development in the 21st Century: Wild
Salmon Caught in the Squeeze
James T. Martin (Berkley Fishing Tackle Company)

2:30 Thanksgiving 2101: A Salmon Story
*Benjamin B. Stout (Retired; former university profes-
sor and administrator)*

2:50 Caught in the Web: How to Sustain Wild Salmon
Through 2100
David T. Hoopes (San Juan Conservation District)

3:10 Sustaining Wild Salmon Through 2100: Structural
Barriers to Ecotopia
James L. Buchal (Murphy & Buchal LLP)

3:30-3:50 Refreshment Break

3:50 Salmon 2100: A Strategy to Anchor and Expand the
Remaining Wild Salmon Strongholds
Guido Rahr and Xanthippe Augerot (Wild Salmon Center)

4:10 Cost-effective Solutions to Reversing the Failure of Wild
Salmon Recovery
Larry L. Bailey and Michelle L. Boshard (Rural Resource
Associates Ltd.)*

4:30 Saving Wild Salmon: Moving from Symbolic Politics to
Effective Policy
Brent S. Steel (OSU)

4:50 Changes Necessary to Provide for Significant, Sustain-
able Wild Salmon Populations in North America South of
Central British Columbia
John H. Michael Jr. (Fisheries Biologist, Olympia, WA)

5:10 Panel Discussion with All Speakers

6:00-11:00pm Student Mentor “Match the Hatch”,
Poster Session, Trade Show and
Social

Session 2: Stream Habitat and Biological Condition
Assessment
Convener: John Faustini (OSU)

1:40 Session Overview

1:50 Basin-Scale Controls on the Expression of Reach-Scale
Channel Morphology, Debris Flow Runout, and the
Spatial Distribution of Salmonids in Steep Mountain
Streams
Christine L. May and William E. Dietrich (UC Berkeley)

2:10 Patterns in the Abundance and Distribution of Juvenile
Coho in Oregon’s Mid-Coast
*Rebecca Flitcroft (OSU), Gordon Reeves (USFS) and
Richard Schmitz (OSU)*

2:30 A Landscape Classification Approach to Support the
Design, Analysis, and Interpretation of Stream Habitat
Assessment and Restoration Projects
*Chris Jordan, Steve Rentmeester, Carol Volk, Mimi
D’Iorio, and George Pess (NOAA Fisheries)*

2:50 A Riverscape Perspective: Tier III Monitoring as a
Planning Tool for Restoration
*Guillermo Giannico, Scott Heppell, and Hiram Li (OSU),
Chris Jordan (NOAA Fisheries), Michael Newsom (BOR),
Phil Larsen (EPA), Nick Bouwes (Eco Logical Research)
and Jim Ruzycski (ODFW)*

3:10 Long-term Water Temperature Variability in the John Day
Basin: Spatial Analysis of Multi-source Data
*Carol J. Volk, Chris Jordan and Steve Rentmeester
(NOAA Fisheries)*

3:30-3:50 Refreshment Break

- 3:50 Physiological tools to assess thermal stream habitat quality for Redband Trout (*Oncorhynchus mykiss*) in the South Fork John Day River
J.W. Feldhaus (OSU), M.G. Mesa (USGS) and S.A. Heppell, L.J. Madsen, and H.W. Li (OSU)
- 4:10 Linking Fine- and Coarse-Scale Studies to Determine Spatial Distribution of Redband Trout (*Oncorhynchus mykiss gairdneri*) at the Watershed Scale
Luis F. Madriñán, Hiram W. Li, Guillermo Giannico, and Stanley Gregory (OSU) and Blake E. Feist (NOAA Fisheries)
- 4:30 Macroinvertebrate Assemblage Patterns in the North Fork John Day River During Sediment Inputs
W.J. Gerth and J.L. Li (OSU)
- 4:50 Assessing Stream Habitat Quality in Two Interior Columbia Basin Watersheds with an Emphasis on Excess Fine Sediments
John M. Faustini and Alan Herlihy (OSU) and Phillip R. Kaufmann, David P. Larsen, and Peter Leinenbach (EPA)
- 5:10 In Search of the Holy Grail: Evolution of an Integrated Aquatic Monitoring Program on Private Timberlands
Lowell V. Diller, Matthew R. House, and Brian D. Michaels (Green Diamond Resource Company)

6:00-11:00pm Student Mentor “Match the Hatch”, Poster Session, Trade Show and Social

**Session 3: Contributed Papers I: Watershed Programs and Fish/Habitat Relationships
Convener: Dave Ward (ODFW)**

- 1:40 Session Overview
- 1:50 Habitat Improvement Locally to Benefit At-Risk Species Regionally – Oregon’s Landowner Incentive Program
Nancy L. Breuner, Bruce Campbell and Miriam Hulst (ODFW)
- 2:10 Salmon Habitat Conservation and Restoration Using Utility Customer Renewable Energy Funds
Leslie B. Bach, Catherine Macdonald and Christopher S. Robbins (The Nature Conservancy)
- 2:30 Siuslaw River Basin Restoration Partnership Wins Theiss International Riverprize Award: What Does it Mean for Restoration and Where Do We Go from Here?
Paul Burns (USFS), Johnny Sundstrom (Siuslaw Institute) and Todd Miller (Siuslaw Watershed Council)
- 2:50 Enforcing Removal-Fill Laws and Protection of Wetlands and Waters of the State
Craig Ball (Oregon State Police)
- 3:10 Growth, Survival and Movement of Juvenile Salmonids as Indicators of Habitat Quality
J. L. Ebersole, P.J. Wightingon Jr., J.P. Baker, M.A. Cairns, M.R. Church, J.E. Compton, S.G. Leibowitz, and D. White (EPA), B. Hansen (USFS) and B. Miller (ODFW)

3:30-3:50 Refreshment Break

- 3:50 Longitudinal Patterns of Stream Fishes, Aquatic Habitat and Water Temperature in the Lower Crooked River, Oregon
C.E. Torgersen and R.E. Gresswell (USGS), D.S. Bateman (OSU) and D.P. Hockman-Wert (USGS)
- 4:10 A Comparison of Salmonid Abundance and Habitat Availability Within Two Managed Tributaries in Del Norte County, California
C.F. Howard (Mill Creek Fisheries Monitoring Program)
- 4:30 Connecting Bull Trout Habitat and Populations - What is gained?
Steve Cramer and Keith Underwood (SP Cramer and Associates, Inc.)
- 4:50 Reach-Specific Survival of Spring Chinook Salmon Smolts in the Grande Ronde River
F. R. Monzyk (ODFW)
- 5:10 Overwinter Survival Estimates of Juvenile Coho: A Cautionary Tail
Matthew R. House, Lowell V. Diller and Glen Wightman (Green Diamond Resource Company)

6:00-11:00pm Student Mentor “Match the Hatch”, Poster Session, Trade Show and Social

**Session 4: Contributed Papers II: Cutthroat Trout, Fish Disease and More
Convener: TBD**

- 1:40 Session Overview
- 1:50 Temporal Persistence of Coastal Cutthroat Trout in a Headwater Stream
M. S. Novick (OSU) and R. E. Gresswell (USGS)
- 2:10 Topography and Distribution Patterns of Lahontan Cutthroat Trout (*Oncorhynchus clarki henshawi*) in a Stream Habitat Mosaic
George Boxall, Guillermo Giannico and Hiram Li (OSU), Matthew Varner (BLM)
- 2:30 Responses of an Endangered Cutthroat Trout to an Exotic Invading Charr;
J.D. Osborne-Gowey and G. Boxall (OSU), A. Jenne (Nevada Dept. of Wildlife), S. Heppell, H. Li and C. Pereira (OSU) and M. Varner (BLM)
- 2:50 Coastal Cutthroat Trout Life History Strategies in Abernathy Creek and Chinook River, Washington, Two Tributaries of the Columbia River
Jeffrey Johnson (USFWS), Joe Zydlewski (U. of Maine) and Jeff Hogle, John Brunzell and Michael Hudson (USFWS)
- 3:10 Cutthroat Trout Conservation: Are Conservation Agreements/Strategies Effective?
J. Michael Hudson (USFWS)

3:30-3:50 Refreshment Break

- 3:50 Controlling the Spread of *Myxobolus cerebralis* in Clear Creek, a Tributary of the Clackamas River
Jerri Bartholomew, Stephen Atkinson, Harriet Lorz, Donald Stevens and Sascha Hallett (OSU) and Antonio Amandi (ODFW)
- 4:10 Replacement of Sentinel Fish Exposures with a Real-Time PCR Assay to Detect the Parasite *Ceratomyxa shasta* in the Klamath River
Sascha L. Hallett and Jerri L. Bartholomew (OSU)
- 4:30 Larval Transport Versus Larval Retention of River and Lake Spawning Suckers in Upper Klamath Lake, Oregon
Susan Reithel, *Mark Terwilliger, David Simon and Douglas Markle (ODFW)*
- 4:50 Using Social Foraging Theory to Examine the Effects of Resource Availability on Juvenile Salmonids the Interior Columbia River Basin
Karl M. Polivka and Joshua Y. Kill (USFS)
- 5:10 Growth Dynamics of Smallmouth Bass in Lake Billy Chinook, Oregon
T. M. Shrader (ODFW) and M. Weldon (Confederated Tribes of Warm Springs)

6:00-11:00pm **Student Mentor “Match the Hatch”, Poster Session, Trade Show and Social**

**Session 5: Contributed Papers III:
Breadth, Depth, and Innovation
Convener: Pete Lawson (NOAA Fisheries)**

- 1:40 Session Overview
- 1:50 Ghost Nets in the Columbia River: How Scary Are They?
Kevin M. Kappenman and Blaine Parker (Columbia River Inter-Tribal Fish Commission)
- 2:10 Fall Chinook Turn-Arounds During Lower Columbia River Dam Passage Attempts (1998-2003): Where Did They Occur And How Far Did Fish Retreat?
Kinsey E. Frick and, Brian J. Burke (NOAA Fisheries) and Christopher A. Peery (U. of Idaho)
- 2:30 Genetic Population Structure of Central Oregon Coast Coho Salmon (*Oncorhynchus kisutch*)
Michael J. Ford, David Teel, Donald M. Van Doornik, David Kuligowski, and Peter W. Lawson (NOAA Fisheries)
- 2:50 Estimating the Size of Historical Coastal Oregon Salmon Runs
Chad C. Meengs (OSU) and Robert T. Lackey (EPA)
- 3:10 Peer Review: Science’s Gatekeeper. Is this a Good Thing?
C. Dewberry (Gutenberg College)

3:30-3:50 **Refreshment Break**

- 3:50 Timing the Salmon
Bernie Taylor (The B. Taylor Group LLC)

- 4:10 Evidence of Xenoestrogens in Fishes from Rocky Mountain National Park, CO
A. R. Schwindt and C. B. Schreck (OSU), D. H. Landers (EPA) and L. Ackerman, S. Simonich, J. Ramsay, and M. L. Kent (OSU)
- 4:30 An Outmigrant Trapping Effort: An Industrial Revolution
Darold B. Perry and Matthew R. House (Green Diamond Resource Company)
- 4:50 Tracking Bull Trout with Stream-width Half-duplex Passive Interrogation
J. Vincent Tranquilli, Mark G. Wade and Chad K. Helms (ODFW)
- 5:10 Evaluation of Outplanting Hatchery-Origin Adult Spring Chinook Salmon (*Oncorhynchus tshawytscha*) to Supplement an Endemic Population in Shitike Creek, Oregon
G.W. FitzGerald and Bob Spateholts (Confederated Tribes of the Warm Springs) and Douglas E. Olson, Rod O. Engle, Thomas A. Hoffman, David M. Hand, Donald E. Campton, William R. Arden, Jason Baumsteiger and Mike Paiya (USFWS)

6:00-11:00pm **Student Mentor “Match the Hatch”, Poster Session, Trade Show and Social**

Thursday, February 17, 2005

**Morning Plenary Session II
(Coffee served prior to Plenary Session)**

8:00 – 8:50 **John de Graaf, Independent TV Producer, Author and Take Back Your Time National Coordinator – “Overworked Americans: The Impact on You, Family, Fish and More”**

**Session 6: Avian Predation and Salmon Recovery:
Scapegoat or Silver Bullet
Convener: Allen Evans (Real Time Research, Inc.)**

- 9:00 Session Overview
- 9:10 Avian Predation on Juvenile Salmonids in the Columbia River Basin: An Overview
Daniel D. Roby (OSU), Ken Collis (Real Time Research, Inc.), Donald E. Lyons (OSU), Allen Evans (Real Time Research, Inc.), Karen N. Fischer, Anne Mary Myers, Christopher Couch, and Jessica Y. Adkins (OSU), and Mike Hawbecker (Real Time Research, Inc.)
- 9:30 Adaptive Management of Predator-Prey Linkages: Piscivorous Birds and Endangered Salmon in the Columbia River
Francis K. Wiese, Julia K. Parrish, and Christopher W. Thompson (UW)

9:50-10:10 **Refreshment Break**

- 10:10 The Monitoring and Evaluation of Avian Predation on Juvenile Salmonids on the Yakima River, Washington, Annual Report 2003
Ann E. Stephenson (Yakama Nation Fisheries)

- 10:30 Avian Predation on Juvenile Salmonids in the Mid-Columbia River: Assessing the Magnitude of Impacts
Allen Evans and Ken Collis (Real Time Research, Inc.), Daniel D. Roby and Donald E. Lyons (OSU), Mike Hawbecker (Real Time Research, Inc.), Garrett Dorsey, Christopher Couch, S. Kim Nelson, Jessica Y. Adkins, and Anne Mary Myers (OSU)
- 10:50 Avian Predation in the Columbia River Estuary: World's Largest Caspian Tern and Double-crested Cormorant Colonies
Donald E. Lyons and *Daniel D. Roby (OSU), Ken Collis (Real Time Research, Inc.), Karen N. Fischer and Anne Mary Myers (OSU), Allen Evans (Real Time Research, Inc.), Christopher Couch and Jessica Y. Adkins (OSU) and Mike Hawbecker (Real Time Research, Inc.)*
- 11:10 Losses of Radio-tagged Smolts to Avian Predators in the Columbia River Estuary: What We Know and How to Better Understand What We Don't Know
B. J. Clemens, M. D. Karnowski, and C. B. Schreck (OSU)
- 11:30 Use of PIT Tags to Evaluate Predation by Colonial Waterbirds on Juvenile Salmonids
Brad A. Ryan, G.M. Matthews, and B.P. Sandford (NOAA Fisheries)
- 12Noon Thursday Lunch & Business Meeting (Included with ALL Registrations)**
- Session 7: Contributed Papers IV: Habitat Restoration and More**
Convener: TBD
- 9:00 Session Overview
- 9:10 Comparison of 1-D and 2-D Hydraulic Models in a Boulder-Strewn River
David G. Callery and Tim S. Hardin (Hardin-Davis, Inc.)
- 9:30 Sand Seals in Coho Salmon Redds: Do They Improve Egg Survival?
Carolyn B. Meyer (U of Wyo.), Michael D. Sparkman (CDFG) and Bernard A. Klatte (USACE)*
- 9:50-10:10 Refreshment Break**
- 10:10 Large Wood Restoration in Oregon Streams: Biological Integrity or Photo Op?
Michele Koehler (ABR, Inc.) and Ralph Garono (Earth Design Consultants, Inc.)
- 10:30 Effectiveness of Common Habitat Restoration Techniques at Increasing Fish Abundance in the Pacific Northwest, U.S.A.
Phil Roni, Todd Bennett, Martin Liermann, Sarah Morley, and George Pess (NOAA Fisheries)
- 10:50 Riparian Reserve Monitoring of Post-Fire Logging in the Siskiyou National Forest
Richard K. Nawa and Lisa Shelton (Siskiyou Regional Education Project)
- 11:10 The Effects of Forest Harvest and Flow-Duration on Insect Emergence from Headwater Streams in the Oregon Coast Range
Janel Banks, Alan Herlihy, and Judith Li (OSU)
- 11:30 What's for Dinner? Seasonal Differences in Riparian Consumer Diet and Insect Communities in an Oregon Coast Range Watershed Food Web
Amanda Robillard and Judith Li (OSU)
- 12Noon Thursday Lunch & Business Meeting (Included with ALL Registrations)**
- Session 8: Introduced and Invasive Species**
Convener: Charlie Corrarino (ODFW)
- 9:00 Session Overview
- 9:10 Aquatic Invasive Species 101 – The Big (and Scary) Picture
Paul Heimowitz (USFWS)
- 9:30 Response to Aquatic Invasive Species
Mark Sytsma (PSU)
- 9:50-10:10 Refreshment Break**
- 10:10 Non-native Species in Oregon Estuaries
Sylvia Behrens Yamada (OSU)
- 10:30 An Assessment of the Impacts of Introduced Fishes on the Oregon Coast Coho ESU
Michael E. Gray (ODFW)
- 10:50 Impacts of Invasive Species on Riparian Restoration Projects;
Sam S. Chan (OSU)
- 11:10 Hazard Analysis and Critical Control Point (HACCP) Planning; a Protocol for Preventing the Spread of New Zealand Mudsnailed (*Potamopyrgus antipodarum*) by Hatcheries and Field Researchers
Robyn Draheim (PSU), David Huff (DEQ), Kristina A. Fausti (USFS) and Paul Heimowitz (USFWS)
- 11:30 Preparing for Lewis and Clark: Efforts Throughout the West to Prevent Zebra Mussels from Hitching a Ride Across the Continent with Lewis and Clark Visitors
Bill Zook (Consulting Contractor) and Stephen Phillips (PSMFC)
- 12Noon Thursday Lunch & Business Meeting (Included with ALL Registrations)**
- Session 9: Contributed Papers V: Beavers on the Loose (The OSU Type)**
Conveners: Jeremiah Osborne-Gowey, Joseph Feldhaus and Jens Lovtang (OSU)
- 9:00 Session Overview
- 9:10 Strategies for Survival: Habitat Use and Distribution of Juvenile Chinook Salmon in the Metolius River Basin, Oregon
Jens C. Lovtang and Hiram W. Li (OSU)

9:30 Estimating Abundance and Spatial Distribution of Fall Migrating *Oncorhynchus mykiss* in the South Fork of the John Day River;
Ian A. Tattam (OSU), James R. Ruzycki, Wayne H. Wilson and Troy D. Goby (ODFW), Hiram W. Li and Guillermo R. Giannico (OSU)

9:50-10:10 Refreshment Break

10:10 A Microarray-Based Analysis of the Stress Response in *Oncorhynchus mykiss*
Tracey S. Momoda, Lena Gerwick, Chris Bayne and Carl B. Schreck (OSU)

10:30 Whole-body Cortisol as an Indicator of Crowding Stress in Adult Zebrafish (*Danio rerio*)
J.M. Ramsay and G.W. Feist (OSU), Z. Varga, M. Westerfield and J.L. Matthews (UO), M.L. Kent and C.B. Schreck (OSU)

10:50 Spawning, Larval Drift, and Early Mortality of Pacific Lamprey (*Lampetra tridentata*) in the South Fork Coquille River
Abel Brumo (OSU), Leo Grandmontagne (*Wild Fish for Oregon*), Steve Namitz (USFS) and Douglas Markle (OSU)

11:10 Systematic Study of Smallscale Sucker (*Catostomus rimiculus*) in Oregon
J. Kettratad and D. F. Markle (OSU)

11:30 Invasive Species Stream Assessments in the Umatilla, Walla Walla, John Day, and Grand Ronde River Systems
Patrick Luke (OSU), Gary James, Jayne Brimbox and Jeanette Howard (Confederated Tribes of the Umatilla Indian Reservation), and Blaine Parker (Columbia River Inter-Tribal Fish Commission)

12Noon Thursday Lunch & Business Meeting (Included with ALL Registrations)

Session 10: Near-shore Ecology and Management: Part I
Conveners: Hal Weeks (ODFW) & Selina Heppell (OSU)

9:00 Session Overview

9:10 Using Stable Isotopes to Delineate Shelf and Offshore Pelagic Communities Off California and Oregon
T.W. Miller (OSU), R.D. Brodeur and K.L. Bosley (NOAA Fisheries)

9:30 Differing Anti-Predator Strategies of Three Juvenile North Pacific Flatfish Species
Jena L. Lemke (OSU) and Clifford H. Ryer (NOAA Fisheries)

9:50-10:10 Refreshment Break

10:10 Age, Growth, and Maturity of the Longnose Skate (*Raja rhina*) for the U.S. West Coast: Preliminary Results
Josie Thompson (OSU), Wade Smith (Pacific Shark Research Center), Michael Schirripa and Scott Heppell (OSU)

10:30 Do Big Old Fat Females Spawn First? Assessment of the Reproductive Cycle of Black Rockfish (*Sebastes melanops*) from the Central Oregon Coast
Brooke Martin and Selina Heppell (OSU)

10:50 Defining Micro-Habitat for Juvenile Black Rockfish (*Sebastes melanops*): the Role of Abiotic and Biotic Structure
Marion Mann (OSU)

11:10 Determinants of Refuge Utilization by Post-Settlement Lingcod (*Ophiodon elongatus*);
Megan Petrie (OSU)

11:30 Habitat Utilization of an Oregon Estuary by Lingcod (*Ophiodon elongatus*)
T. W. Schwager and S. A. Heppell (OSU)

12Noon Thursday Lunch & Business Meeting (Included with ALL Registrations)

Session 11: The Oregon Plan Coastal Coho Assessment
Convener: Bruce McIntosh (ODFW)

1:30 Session Overview

1:40 Development and Application of Biological Criteria to Assess the Viability of the Oregon Coast Coho ESU
Ed Bowles, Mark Chilcote, Tom Nickelson and Kelly Moore (ODFW), Jay Nicholas (OWEB) and Bruce McIntosh (ODFW)

2:00 Conservation Efforts to Address Harvest Management as a Factor for Decline for the Oregon Coast Coho ESU
Curt Melcher (ODFW)

2:20 Conservation Efforts to Address Hatchery Management as a Factor for Decline for the Oregon Coast Coho ESU
Mark Lewis (ODFW)

2:40 The Status and Trend of Instream Habitat and Riparian Conditions in the Oregon Coast Coho ESU
Jeff Rodgers (ODFW)

3:00 Water Quality of the Oregon Coast Coho ESU
Michael Mulvey, Aaron Borisenko, and Rick Hafele (DEQ)

3:20-3:40 Refreshment Break

3:40 A Spatial Evaluation of Habitat Access Conditions and Oregon Plan Fish Passage Improvement Projects in the Oregon Coast Coho ESU
Liz Dent and Andrew Herstrom (ODF) and Erin Gilbert (ODFW)

4:00 Conservation Efforts to Address Wetlands and Estuaries as a Factor for Decline for the Oregon Coast Coho ESU
Eric Metz and Julie Wirth (DSL)

4:20 Conservation and Restoration Efforts to Address Factors for Decline for the Oregon Coast Coho ESU
Jay Nicholas (OWEB)

4:40 Panel Discussion with All Speakers

5:15 Wrap Up
Bruce McIntosh (ODFW)

5:30-11:00pm Social, Banquet, Awards, Raffle, Auction, Music & Mixing (Banquet included with FULL registration)

Session 12: Research and Management Issues in the Snake River Basin
Convener: Rich Carmichael (ODFW)

1:30 Session Overview

1:40 Current and Historical Steelhead Population Structure in the Snake River: Diversity, Data, and Designations
Michelle McClure (NOAA Fisheries) and the Interior Columbia Technical Recovery Team (11 others)

2:00 Effects of Juvenile Migration and Ocean/Climate Conditions on Smolt-to-Adult Return Rates and Recruitment for Snake River Chinook Salmon
Howard Schaller (USFWS) and Charlie Petrosky (IDFG)

2:20 The Effects of Mainstem Flow and Water Velocity on Spring Chinook Salmon and Steelhead Populations from the Snake River
M.J. Filardo and J.A. McCann (Fish Passage Center)

2:40 NOAA Fisheries' Hydro Actions Being Applied to Manage Listed Snake River Salmon
Paul Wagner (NOAA Fisheries)

3:00 Life History Study of Spring Chinook Salmon in the Grande Ronde River Subbasin
Brian Jonasson, Fred Monzyk, Alyssa Reischauer, and Erick Van Dyke (ODFW)

3:20-3:40 Refreshment Break

3:40 Alternative Life History Strategies of *Oncorhynchus mykiss* in Northeast Oregon: Evidence from Otolith Elements
James Ruzycki and Michael Flesher (ODFW), Timothy Whitesel (USFWS) and Richard Carmichael (ODFW)

4:00 Chinook Salmon and Steelhead Behavior at Dams as Determined by PIT Tags and Radio Tags
Brian J. Burke and Sandra L. Downing (NOAA Fisheries), Theodore J. Bohn (UW) and Michael A. Jepson (UI)

4:20 Snake River Sockeye Salmon Captive Broodstock Program
C. Willard, D. Baker and P. Kline (IDFG)

4:50 Research and Management Issues Relevant to Snake River Fall Chinook Salmon
William P. Connor (USFWS)

5:30-11:00pm Social, Banquet, Awards, Raffle, Auction, Music & Mixing (Banquet included with FULL registration)

Session 13: Using Multiple Disciplines to Assess Restoration Opportunities in the Upper Klamath Basin
Conveners: Mary Hanson (ODFW) and Scott Snedaker (BLM)

1:30 Session Overview

1:40 The Klamath Water Crisis
Bob Hunter (WaterWatch)

2:00 Reconstruction of the Distributions of Anadromous Fish Upstream from Iron Gate Dam on the Klamath River – An Approach Based Upon Multiple Lines of Evidence
John Hamilton and G.L. Curtis (USFWS), S.M. Snedaker (BLM), and D.K. White (NOAA Fisheries)

2:20 Ecology of the Salmonid Parasite *Ceratomyxa shasta* in the Klamath River
R.W. Stocking (OSU), R.A. Holt (ODFW), S.J. Foott (USFWS), M. Hiner (Yurok Tribal Fisheries Program), and J.L. Bartholomew (OSU)

2:40 Life History of Redband Trout in the Klamath River, Oregon
William R. Tinniswood and Roger C. Smith (ODFW)

3:00 Seasonal Water Quality and Fish Assemblage of Keno Impoundment and Implications for Native Fish Restoration
Richard M. Piaskowski (BOR) and David C. Simon (OSU)

3:20-3:40 Refreshment Break

3:40 Understanding Relationships Between Habitat and Early Life Stages of Lost River and Shortnose Suckers in a Restored Riverine Wetland
John D. Crandall (The Nature Conservancy)

4:00 Nutrient Trends and Land Use in the Sevenmile Creek Tributary of Upper Klamath Lake: Opportunities for Management and Restoration
J. Kann (Aquatic Ecosystem Sciences LLC) and D. Ciotti (OSU)

4:20 Fish Passage Recovery Activities in the Upper Klamath Basin
Chuck Korson (BOR)

4:40 The Use of the Ecosystem Diagnosis and Treatment (EDT) Model in Fish Habitat Restoration in the Klamath Basin
Ian B. Chane (PacifiCorp), Kevin Malone (Mobrاند Biometrics) and Linda Prendergast (PacifiCorp)

5:00 Structuring Klamath River Fish Passage Decisions
Gretchen R. Oosterhout (Decision Matrix, Inc.)

5:30-11:00pm Social, Banquet, Awards, Raffle, Auction, Music & Mixing (Banquet included with FULL registration)

Session 14: Near-shore Ecology and Management: Part II
Conveners: Hal Weeks (ODFW) and Selina Heppell (OSU)

- 1:30 Session Overview
- 1:40 Modeling Juvenile Salmonid Migration Patterns for the Columbia River Estuary
Nathan Truelove and **Carl Schreck (OSU)** and **Antonio Baptista (Center for Coastal and Land-Margin Research)**
- 2:00 A Telemetry Study of Downstream Coho Smolt Movement in the Yaquina River and Estuary
James H. Power (EPA) and **Steven Johnson and Derek Wilson (ODFW)**
- 2:20 Tidal Effects on Smolt Behavior in the Columbia River Estuary and the Relationship to Avian Predation: Can This be Managed?
M. D. Karnowski, B. J. Clemens and C. B. Schreck (OSU)
- 2:40 From Genotyping Salmon to Ageing Flatfish: What Pinniped Scat Can Reveal About Marine Ichthyofauna
Susan D. Riemer, Bryan E. Wright and Robin F. Brown (ODFW)
- 3:00 Life Under Pressure: A Look at Swimbladders and Barotrauma Using Pressurized Aquaria
Polly S. Rankin, Steven J. Parker and Robert W. Hannah (ODFW)

3:20-3:40 Refreshment Break

- 3:40 Use of a Video-Equipped Recompression Cage to Observe Barotrauma Recovery in Rockfish
Keith Matteson and Robert W. Hannah (ODFW)
- 4:00 Fish Density and Diversity on a Nearshore Rocky Reef Complex
Hal Weeks, Arlene Merems, Bill Miller, and Dave Fox (ODFW)
- 4:20 Dungeness Crab Harvest by Native People in Netarts Bay, Oregon
Robert J. Losey (University of Alberta), Sylvia Behrens Yamada* (OSU) and Leah Largaespada (USFS)
- 4:40 Developing Oregon's Nearshore Marine Resource Management Strategy: A Proactive Approach to Marine Resource Management
Cristen Don and Maggie Sommer (ODFW)
- 5:00 A Cost-Benefit Analysis of Marine Reserves and Stock Enhancement for Recovering Rockfish Populations
Selina Heppell, Scott Heppell, and Mark Hixon (OSU)

5:30-11:00pm Social, Banquet, Awards, Raffle, Auction, Music & Mixing (Banquet included with FULL registration)

Friday, February 18, 2005

Morning Plenary Session III
(Coffee served prior to Plenary session)

8:00 – 8:50 Nathan Mantua, Climate Impacts Group, University of Washington – “Global Warming Scenarios for the Northwest and Their Implications for Northwest Salmonids”

Session 15: Current Status of the Science and Management of Hatchery and Wild Fish in Oregon
Conveners: Kirk Schroeder (ODFW), Dan Bottom (NOAA Fisheries) and Jeff Rodgers (ODFW)

- 9:00 Session Overview
- 9:10 The Opportunities and Challenges of Implementing ODFW's Native Fish Conservation and Fish Hatchery Management Policies
Kevin Goodson (ODFW)
- 9:30 Domestication in Steelhead: Caught in the Act
Reg Reisenbichler and Steve Rubin (USFWS)

9:50-10:10 Refreshment Break

- 10:10 Parentage of Steelhead Progeny (*Oncorhynchus mykiss*) in Little Sheep Creek, Snake River Basin: The Search Continues
Ewann A. Berntson (NOAA Fisheries), Richard W. Carmichael and Jim Ruzycki (ODFW) and Paul Moran (NOAA Fisheries)
- 10:30 A Stochastic Model Investigation of the Potential Benefits of a Conservation Hatchery Program for Supplementing Oregon Coast Coho (*Oncorhynchus kisutch*)
Gretchen R. Oosterhout (Decision Matrix), Charles W. Huntington* (Clearwater BioStudies), Thomas E. Nickelson (ODFW) and Peter W. Lawson (NOAA Fisheries)
- 10:50 Hatcheries and the Conservation of Lower Columbia River Coho Salmon
Mark Chilcote (ODFW)
- 11:10 Diversity of *Oncorhynchus clarki clarki* Across the Landscape and its Implications for Hatchery Programs
Thomas Williams (NOAA Fisheries)
- 11:30 The Oregon Plan: Ask Not What You Can Do For Hatcheries But What Hatcheries Can Do For You
Carl Schreck (OSU)

11:50 Panel Discussion with All Speakers

12:10pm Meeting Adjourns

1:30-3:00pm Post-meeting Tours of OSU Fish Research Facilities (optional & free)

Session 16: Futuring: Projecting Change in Use of Land and Water and Their Effects on Oregon Fishes Convener: Stan Gregory (OSU)	10:20	Small Group Concurrent Work Sessions: Opening the First Door Accommodating Cultural Differences Work Unit Groups Retention
9:00		Session Overview
9:10		Analysis of Future Scenarios to Evaluate Trajectories of Ecosystem Change in the Willamette Basin <i>Stan Gregory (OSU)</i>
9:30		Models of Future Change <i>John Bolte (OSU)</i>
9:50-10:10		Refreshment Break
10:10		Developing Web Sites to Help Citizens and Policy Makers Make Better Decisions About Land and Water Use <i>Tim Fiez (OSU)</i>
10:30		Simulating Future Private Landowner Behavior in the Coastal Forests of Oregon <i>K. Norman Johnson (OSU), Pete Bettinger (Univ. of Georgia) and Tad Larsen (OSU)</i>
10:50		What the Numbers Tell Us About Salmon Recovery in a Changing World: Bob Lackey, You are Wrong! <i>Ray Beamesderfer (S.P. Cramer and Associates)</i>
11:10		Future Incentives Programs <i>Kathryn Boyer (USDA)</i>
11:30		The Confluence of Science, Policy, and Action in the Willamette River Basin <i>Rick Bastasch (Willamette Conservation Network)</i>
11:50		<i>Working With People to Envision Future Scenarios</i> <i>Dave Hulse (UO)</i>
12:10pm		Meeting Adjourns
1:30-3:00pm		Post-meeting Tours of OSU Fish Research Facilities (optional & free)
Session 17: Building Tools and Resources to Increase Workforce Diversity: A Hands-On Work Session Conveners: Judy Li and Rebecca Goggans (OSU)		
9:00		Session Overview
9:05		Oregon's Racial/Ethnic Demographic Projections <i>Terryl Ross (OSU)</i>
9:20		Why We Need Workforce Diversity in Natural Resources <i>Bill Otani (USFS)</i>
9:30		Panel Discussion on What Worked/What Didn't: Personal Perspectives <i>Cedric Cooney (ODFW), Sue Knapp (ODFW), Monty Gregg, Dan Shively (USFS)</i>
9:50-10:10		Refreshment Break
10:10		Panel Discussion (continued)
11:10		Wrap up/Debrief (10 minutes)
12:10pm		Meeting Adjourns
1:30-3:00pm		Post-meeting Tours of OSU Fish Research Facilities (optional & free)
Session 18: Native Fishes: What Do We Know About the Species That Don't Make the Headlines Convener: Steve Jacobs (ODFW)		
9:00		Session Overview
9:10		Improved Status of Oregon Chub in the Willamette River Drainage <i>Paul D. Scheerer (ODFW)</i>
9:30		Pacific Lamprey Larval Distribution and Adult Escape-ment in the Lower Deschutes River <i>J. C. Graham (Confederated Tribes of the Warm Springs Reservation of Oregon)</i>
9:50-10:10		Refreshment Break
10:10		Integrating Sampling Methods to Characterize Bull Trout Spawning in the South Fork McKenzie River <i>Mark G. Wade, J. Vincent Tranquilli, and Chad K. Helms (ODFW)</i>
10:30		The Inland Lampreys: Diversity in the Klamath and Goose Basins <i>Stewart Reid (Western Fishes), D. Goodman (HSU), M. Docker (University of Windsor), D. Markle and C. Lorion (OSU)</i>
10:50		Distribution and Behavior of Radio-Tagged Adult Lost River and Shortnose Suckers in Response to Water Quality Conditions in Upper Klamath Lake, Oregon <i>B. D. Swigle and B.J. Adams (USGS)</i>
11:10		Seasonal Variability of Westslope Cutthroat Trout Movement Patterns and Habitat Use in Headwater Tributaries of the John Day River <i>S.J. Starcevich (ODFW), R.E. Gresswell, (USGS) and A.R. Hemmingsen (ODFW)</i>
11:30		Oregon's Great Basin Endemics – An Update on the Status of Four Federally Listed Fish from Southeast Oregon <i>C.A. Allen, R.G.White and A.J. Mauer (USFWS) and A.V. Munhall (BLM)</i>
11:50		Water Temperatures Used by Migratory Bull Trout from the Lostine River <i>Philip J. Howell and Jason B. Dunham (USFS), Paul Sankovich (USFWS) and Gwynne Chandler (USFS)</i>
12:10pm		Meeting Adjourns
1:30-3:00pm		Post-meeting Tours of OSU Fish Research Facilities (optional & free)



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