

Oregon Chapter of the American Fisheries Society

46th Annual Meeting

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Success

Through Science and Management

February 23-26, 2010

Eugene, Oregon

Program printing sponsored by

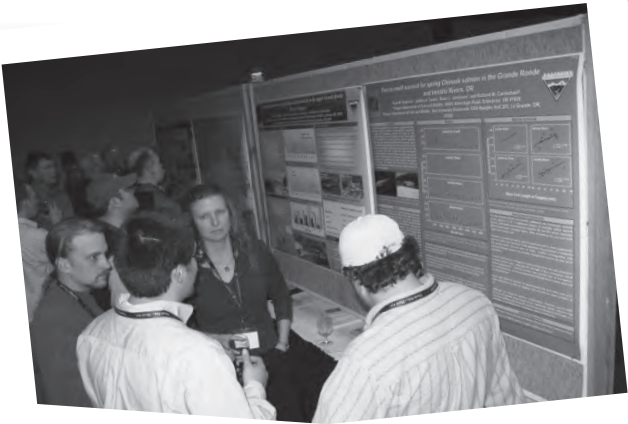


Let's turn the answers on.

Dedicated to providing safe, reliable, and renewable energy with environmental respect—and to generating answers for our future.



THE COVER IMAGE, "Raging Red Rainbow," captures a wild winter steelhead in full spawning colors challenging Deadline Falls, which divides the "bait" and "fly" water on the North Umpqua River. This species and locale embody many of the challenges facing fisheries professionals throughout Oregon: harvest of wild fish, hatchery management, recreation opportunity, fish refuges, hydropower mitigation, habitat restoration, monitoring, and research. Success in resource conservation can be fleeting and as simple as whether a fish clears a waterfall; but more often is ephemeral and multi-faceted like the rainbow forming on the misty edge of turbulence and sunlight. Image ©Richard Grost, photo gallery at www.RichardGrost.com.



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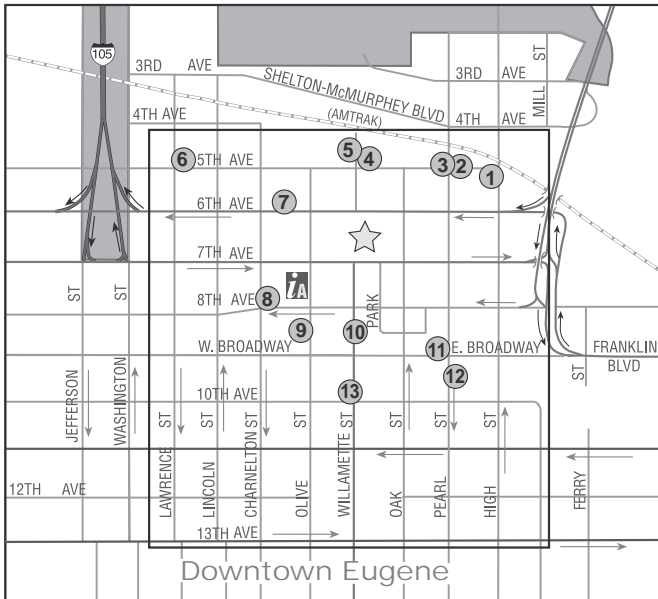
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Downtown Eugene Restaurants



Travel Lane County - Eugene, Cascades & Coast
754 Olive St



Hilton Eugene and Conference Center
66 E 6th Ave

- 1** **Marché**
296 E 5th Ave - at the Fifth Street Public Market
\$9.00 - \$32.00*
Full-service restaurant and bar featuring the finest Northwest seasonal ingredients. Extensive wine list with emphasis on Oregon and France.
- Marché Café**
296 E 5th Ave - at the Fifth Street Public Market
\$4.00 - \$10.00*
Seasonal Bistro fare in the tradition of a French café. Full breakfast, lunch and pastries. Beer and wine.
- Marché Provisions**
296 E 5th Ave - at the Fifth Street Public Market
\$5.00 - \$15.00*
Specialty food store and bakery offering the best of the season and region. Pizza, deli, espresso, ice cream and wine shop. Catering available.
- 2** **Café Lucky Noodle**
207 E 5th Ave
\$8.00 - \$32.00*
Local, upbeat, contemporary global noodle house serving lunch, dinner and weekend brunch. A dynamic menu featuring both Italian and Thai cuisine.
- 3** **Steelhead Brewing Co.**
199 E 5th Ave
\$7.00 - \$15.00*
Fresh beers brewed on the premises. Sandwiches, burgers and salads offered all day. Satellite television sports. Outdoor seating.
- 4** **Oregon Electric Station**
27 E 5th Ave
\$9.00 - \$30.00*
Dine in antique railroad cars at this historic landmark. Prime rib is a specialty, plus fish and chicken. Choose from a wine list of over 250 labels.
- 5** **Red Agave**
454 Willamette St
\$5.00 - \$29.00*
Located in downtown Eugene featuring local, organic produce and traditional recipes from throughout Latin America.

- 6** **Keystone Café**
395 W 5th Ave
\$4.00 - \$9.00*
Recognized as the "Best Breakfast in Town" by Eugene Weekly. Nourishing the community since 1979. Serving vegans, vegetarians and carnivores.
- 7** **Sixth Street Grill**
55 W 6th Ave
\$7.00 - \$29.00*
Northwest-style dining and sports bar in downtown Eugene. Angus steaks, seafood, pastas, burgers and more. Breakfast served on weekends from 8 a.m.
- 8** **Theo's Coffee House**
199 W 8th Ave
\$1.00 - \$5.00*
Delicious coffee, espresso and the best oatmeal in town. This comfy and spacious setting also includes a bookstore, Internet café and pizzeria.
- 9** **Eugene City Brewery/Rogue Public House**
844 Olive St
\$3.00 - \$15.00*
Extensive menu, full bar, outdoor seating and 27 microbrews on tap, including Track Town Ales. Plus a dog friendly menu. Lounge for private gatherings.
- 10** **Bagel Sphere**
810 Willamette St
\$1.00 - \$7.00*
Featuring 17 varieties of authentic boiled and hearth-baked bagels. Great breakfast and lunch items, espresso, coffee, tea and other beverages.
- The 'wich House**
840 Willamette St
\$5.00 - \$12.00*
Not your average sandwich! Fine sandwiches, soups and salads, fresh baked bread, beer and wine, homemade sweets and more.
- 11** **Ambrosia Restaurant**
174 E Broadway
\$10.00 - \$28.00*
Casually elegant atmosphere with northern Italian cuisine and wood-fired pizza oven. Full bar, large wine list and banquet room.
- 12** **Sweet Basil Thai Cuisine**
941 Pearl St
\$7.00 - \$19.00*
Traditional Thai cuisine with splashes of modern innovation in an elegant setting. Fare ranges from noodle and curry dishes to house specialties.
- 13** **Anatolia**
992 Willamette St
\$8.00 - \$14.00*
Serving exotic flavors of both Greek and Indian food in a casual downtown Eugene setting.

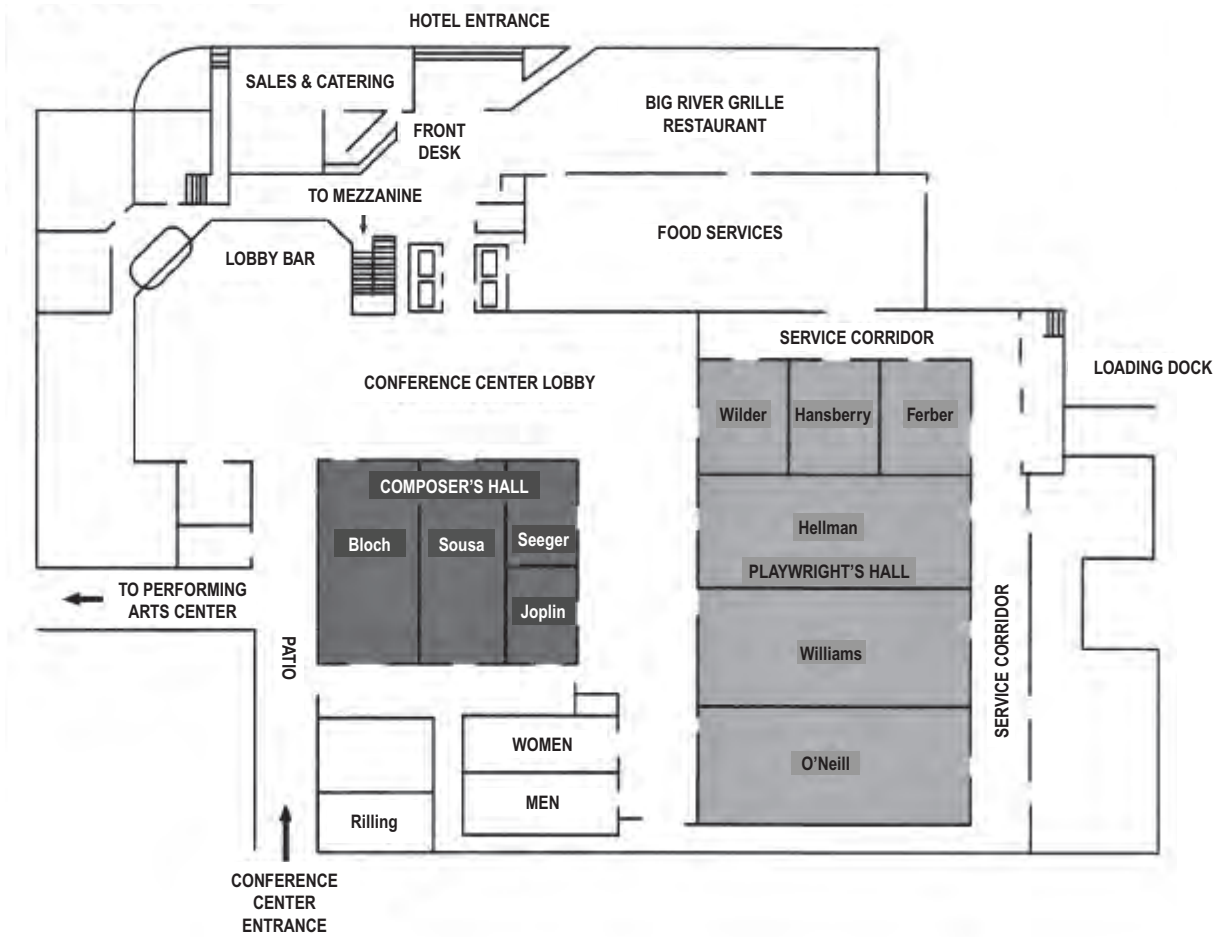
**Prices are subject to change.*



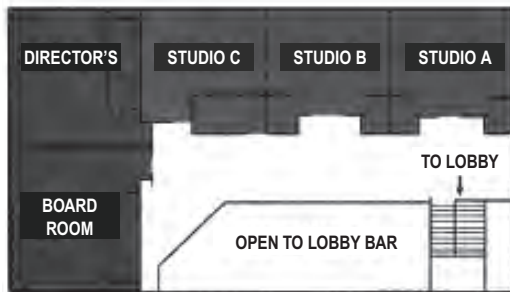
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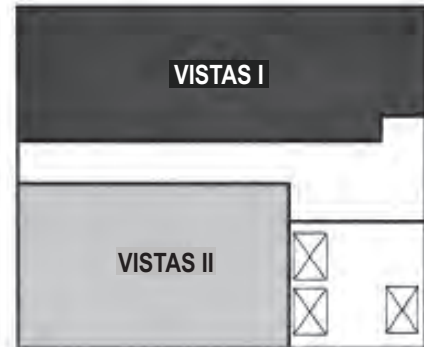
Hilton Eugene Conference Center



Hotel Mezzanine



Vistas, 12th Floor



Poster Session

SETUP

Noon-7:30 PM

Wednesday, February 24

Boards will be provided and names of poster authors will be indicated on each board. Authors are responsible for their own hanging hardware.

DISPLAY HOURS

8:00 PM-Midnight, Wednesday, February 24

8:00 AM-5:30 PM, Thursday, February 25

POSTER SOCIAL

8:00 PM – Midnight

Wednesday, February 24

During the social, authors are asked to be with their poster between 8:00 and 9:00 p.m.

TAKEDOWN

Friday, February 26

8:00-10:20 AM

Any materials left after noon on Friday will be discarded.

Hellman / Lobby

Pomraning Confederated Tribes of the Umatilla Indian Reservation	1	9	Warren Oregon Department of Fish and Wildlife
Cornwell Oregon Department of Fish and Wildlife	2	10	Flesher Oregon Department of Fish and Wildlife
Harstad University of Washington	3	11	Leblanc Oregon State University
Favrot Oregon Department of Fish and Wildlife	4	12	Strobel Portland Water Bureau

Albrecht Oregon Department of Fish and Wildlife	5	13	Leer Oregon State University
Spangenberg University of Washington	6	14	Heck U.S. Geological Survey
Edwards Nez Perce Tribe Fisheries, Research Division	7	15	Penaluna Oregon State University
Hill Portland General Electric	8	16	Schricker The Confederated Tribes of the Warm Springs Reservation of Oregon

Lampman Oregon State University	17	25	Dunham U.S. Geological Survey
Braham Bureau of Reclamation	18	26	Dunham U.S. Geological Survey
St. Saviour Oregon State University/ U.S. Geological Survey	19	27	Phelps University of Oregon
Whitman Oregon State University	20	28	Arsan SWCA Environmental Consultants

Borgen Oregon State University	21	29	Cook Pacific States Marine Fisheries Commission
Stoike Oregon State University	22	30	Schwartz ICF International
Ebert PBS&J	23	31	Osborne-Gowey Conservation Biology Institute
McEnroe Bureau of Land Management	24	32	Schmidt Pacific States Marine Fisheries Commission
Stinson Oregon State University	33	34	Arismendi Universidad Austral de Chile



Welcome to an Outstanding Conference!

It is a humbling, challenging experience “presiding” over the Oregon Chapter, with its established record of exceptional accomplishment—and expectations of continuing them. Your dedicated commitment and contributions have made us the *AFS Outstanding Chapter of the Year* nationally for nine of the past 18 years, most recently in 2009.

I’m pleased to report that our accomplishments this year, including this meeting, have shaped up to exceed our expectations and promise to extend our “outstanding history” well into 2010. The Planning Committee, members, and students have created a richly packed program of technical presentations and posters, and of course our renowned professional mentoring and networking events—all detailed within.

The meeting also includes an enlightening glimpse of our Chapter efforts throughout the entire year—including scholarship awards, education and outreach grants, conservation initiatives, products, collaborations, and communications—at our Annual Business Meeting. I encourage you to attend this fast-paced, action-packed presentation, observe the accomplishments of your colleagues, and offer your suggestions and assistance for further improving Chapter services and performance.

And, be sure to let me know if you’d like to “up” your participation in the Chapter—I’m already seeking candidates for 2011!

Richard Grost
PRESIDENT, ORAFS

P.S. Special thanks to all of our sponsors listed on the back cover, vendors, and contributors to the raffle and auction. Your extra support helps us keep these meetings valuable *and* affordable!

Welcome to Success through Science and Management, the 46th Annual Oregon Chapter Meeting

One of my interests is the application of scientific information to the management of natural resources. Over the years, I have found that the better I understood the underlying science, the more effective a management tool I was able to develop. We are facing an environment that is changing at an unprecedented rate (e.g., ocean conditions, climate, population growth). This changing environment will continue to challenge our capability to understand and successfully manage the natural resources upon which we depend. To successfully manage a suite of resources, detailed and sometimes highly technical information must be translated into management tools. It was this concept that led the planning committee to select the theme of Success through Science and Management. As you attend talks and present the results of your own research during this meeting, I challenge each of you to think about the application of science and management toward achieving successful outcomes for our fisheries and aquatic resources.

I am extremely pleased with the volume and diversity of material that you are presenting at this meeting. When I started planning for this meeting, I was told to expect 140 oral presentations and 30 posters. While the poster count was right on, we have over 160 oral presentations! I received an email in early January asking if we were going to be presenting the usual diversity of talks. When I started skimming through the list to reply to the message, I was



Demian Ebert
PROGRAM CHAIR
2010 ANNUAL MEETING

happy to report that the spectrum of material to be presented during this meeting is phenomenal. You are presenting talks ranging from extremely technical genetics, statistical, and modeling studies to the application of science in the fields of policy, education, and fisheries management (not to mention a repeat of the non-technical Wet & Wild imagery session).

As you enjoy the next three days, please take a moment to thank the planning committee and session moderators. Without the dedicated people who put this meeting together, we would not have the best annual meeting in the nation. I would especially like to thank Rich Grost for keeping me on track and prodding when necessary, Neil

Ward for providing perspective, Martyne Reesman for making sure we had rooms, food, and coffee, and Shivonne Nesbit for assembling a stellar cast of student volunteers. Last year I joked with my wife when I was considering accepting the nomination for President-elect that I'd run on a "better beer" platform. I'm happy to report that Mike Gauvin, our Imbibements Chair, has fulfilled this plank in my unwritten platform and secured us an ample supply of top-notch local beer. Thanks, Mike!

Finally, thanks to all of you for finding the time and resources to attend this event. Without you this chapter would not function.

2009-2010 Executive Committee



Rich Grost

The **President** of the Chapter presides at all Chapter meetings, chairs the ExCom, is Chapter representative to the Western Division and to the Parent Society, and makes such appointments and performs other duties and functions as authorized and necessary for overall Chapter effectiveness. Also crafts a 1-year workplan and budget, arranges sponsorships, and writes columns for the newsletter.



Martyne Reesman

The **Internal Director** appoints the Historian and the chairs of the Awards and Scholarship Committees, and chairs the Arrangements Committee. Manages facility, food, breaks, and A-V needs and costs for annual meeting.

Contact information available at www.orafs.org

The **President-Elect** chairs the Program Committee and assumes the duties of the President in the event of the President's absence or inability to act. Plans the Annual Meeting theme, program, and presentations.



Demian Ebert

The **Vice President** chairs the Resolutions and Bylaws Committee and assumes the duties of the President-Elect in the event that office is vacated prior to completion of the term. Manages student activities and raffle & auction committee.



Shivonne Nesbit



Jeremiah Osborne-Gowey

The **External Director** supervises and motivates all external committees. Ensures that committees respond to ExCom (and vice-versa) and participate in annual meeting.



Neil Ward

The **Past President** chairs the Nominating Committee and chairs the ExCom if neither the President nor President-Elect is available. Imparts historical wisdom, manages trade show, prepares for retirement.



Brett Anderson

The **Student Representative** serves as a liaison between the Chapter and the approved Student Subunit(s) of the Chapter. Assists Vice President with student planning for annual meeting.



Shaun Clements

The **Secretary-Treasurer** keeps the official records of the Chapter, collects and banks any funds allotted to the Chapter, and disburses funds as authorized by the ExCom. Manages registration and tracks all other cash flow at the Annual Meeting.

2009-2010 Committee Chairs

INTERNAL COMMITTEES

AFS / TWS LIAISONS

Tony Faast (USFWS)
Patty Snow (ODFW)

AWARDS

Mindy Simmons (US ACE, Portland District)

HISTORIAN

Steve Smith

INVESTMENT COMMITTEE

Shaun Clements (ODFW)

NEWSLETTER EDITOR

Allison Evans (OSU Dept Fish & Wildlife)

RESOLUTIONS & BYLAWS

Shivonne Nesbit (OSU Dept Fish & Wildlife)

SCHOLARSHIPS

Scott Heppell (OSU Dept Fish & Wildlife)

WEBMASTER

Kara Anlauf (ODFW)

EXTERNAL COMMITTEES

EDUCATION & OUTREACH

Jason J. Kent

FISH CULTURE

Ryan Couture (ODFW)

Get involved in YOUR Chapter. Contact Rich at the meeting or later at 541-498-2617 or rich.grost@pacificorp.com.

FRESHWATER HABITAT

Steve Starcevich (ODFW)

LEGISLATIVE

Hiram Li (OSU Dept Fish & Wildlife, Oregon Cooperative Research Unit)

MARINE HABITAT & ECOLOGY

Scott Heppell (OSU Dept Fish & Wildlife)

NATURAL PRODUCTION

Jens Lovtang (Confederated Tribes of Warm Springs, Dept Natural Resources)

2010 Annual Meeting
PLANNING COMMITTEE

PLANNING COMMITTEE CHAIR

Demian Ebert (PBS&J)

ANNUAL BUSINESS MEETING

Rich Grost (PacifiCorp Energy)

BUDGET

Rich Grost (PacifiCorp Energy)

COMPUTER USE AND A/V

Demian Ebert (PBS&J)

FACILITY AND FOOD ARRANGEMENTS

Martyne Reesman

FIELD TRIPS

Rich Grost (PacifiCorp Energy)

IMBIBEMENTS

Mike Gauvin (ODFW)

Neil Ward (CBFWA)

JAM SESSION

Steve Liebhardt (BLM)

POSTER CO-CHAIRS

Doug Bateman (USGS)

Bill Brignon (USFWS)

PROGRAM GUIDE

Demian Ebert (PBS&J)

Heather Stanley (EditFish)

REGISTRATION

Shaun Clements (ODFW)

RAFFLE & AUCTION

Christy Fellas (NOAA)

Kristle Volin (OSU)

SIGNS AND BANNERS

Martyne Reesman

SPONSORSHIPS

Rich Grost (PacifiCorp Energy)

STUDENT COORDINATION AND ACTIVITIES

Shivonne Nesbit (OSU)

Brett Anderson (OSU)

STUDENT PAPER JUDGING

Mike Hudson (USFWS)

TECHNICAL PROGRAM

Demian Ebert (PBS&J)

TEXAS HOLD'EM

Tom Iverson (CBFWA)

TRADE SHOW

Neil Ward (CBFWA)

WEBSITE AND ON-LINE ABSTRACT SERVICE

Kara Anlauf (ODFW)

WORKSHOPS

Demian Ebert (PBS&J)

SCHEDULE AT A GLANCE

Date/Time	Event	Room
Tuesday, February 23		
7:00 am - Midnight	Vendor Displays Setup	Lobby
8:00 am - 12:00 pm	Workshop: VEMCO Acoustic Telemetry	Vistas I
10:00 am - 10:15 am	Morning Coffee Break	Vistas Lobby
10:00 am - 5:00 pm	Registration / Information	Vistas Lobby
1:00 pm - 5:30 pm	Workshop: PIT Tag Techniques	Vistas I
3:00 pm - 3:20 pm	Coffee and Refreshment Service	Vistas Lobby
Wednesday, February 24		
7:00 am - 6:30 pm	Registration / Information / Sales Desk Open	Lobby
8:00 am - 11:30 am	Workshop: PIT Tag Techniques	Vistas I
8:00 am - 11:30 am	Workshop: Media Madness	Vistas II
7:00 am - Noon	Coffee and Refreshment Service	Lobby
8:00 am - 2:30 pm	Vendor Displays Setup	Lobby
1:00 pm - 2:30 pm	Plenary and Keynote Presentation	O'Neill/Williams
2:30 pm - 3:00 pm	Break	Lobby
2:30 pm - 8:00 pm	Vendor Displays	Lobby
3:00 pm - 5:00 pm	Concurrent Sessions	
12:00 pm - 7:30 pm	Poster Session Setup	Hellman
6:00 pm - 7:30 pm	Student-Mentor Social	Vistas I
8:00 pm - Midnight	Poster Session and Social	Hellman/Williams
9:00 pm - Midnight	Rehearsal for Jam Session	Rilling
Thursday, February 25		
7:00 am - 5:00 pm	Registration / Information / Sales Desk Open	Lobby
7:30 am - 8:00 am	Coffee and Refreshment Service	Lobby
8:00 am - 5:30 pm	Poster Session	Lobby
8:00 am - 6:00 pm	Vendor Displays	Lobby
8:00 am - 10:00 am	Concurrent Sessions	
10:00 am - 10:20 am	Break	Lobby
10:20 am - Noon	Concurrent Sessions	
Noon - 1:30 pm	Awards Luncheon (no charge), Professional Awards	Hellman/Williams
1:30 pm - 2:30 pm	OR AFS Business Meeting and Scholarship Awards	Hellman/Williams
2:30 pm - 3:00 pm	OR AFS Committee Breakout Discussions	Williams
2:40 pm - 3:00 pm	Break	Lobby
3:00 pm - 5:00 pm	Concurrent Sessions	
6:00 pm - 6:30 pm	Banquet Social	O'Neill/ Hellman/Williams
6:00 pm - 8:30 pm	Silent Auction	O'Neill/ Hellman/Williams
6:30 pm - 8:00 pm	Banquet, Broken Oar, and Student Paper Awards	O'Neill/ Hellman/Williams
8:00 pm - 9:00 pm	Oral Auction and Raffle	O'Neill/ Hellman/Williams
9:00 pm - 12:30 am	Jam Session	O'Neill/ Hellman/Williams
9:00 pm - 12:30 am	Texas Hold'em Fundraiser	O'Neill/ Hellman/Williams
Friday, February 26		
7:00 am - Noon	Registration / Information / Sales Desk Open	Lobby
7:30 am - 8:00 am	Coffee and Refreshment Service	Lobby
8:00 am - 10:20 am	Poster Session (takedown)	Lobby
8:00 am - 10:20 am	Vendor Displays (takedown)	Lobby
8:00 am - 10:00 am	Concurrent Sessions	
10:00 am - 10:20 am	Break	Lobby
10:20 am - Noon	Concurrent Sessions	
1:00 pm - 2:30 pm	Field Tour: Delta Ponds Habitat Restoration Project	Field

SESSIONS AT A GLANCE

Start Time	Session Titles (Room)				
Wednesday, February 24					
1:00 pm	Plenary (O'Neill/Williams)				
2:30 pm	Break				
3:00 pm	Salmon in the City (O'Neill)	Latest Lamprey News (Williams)	Emerging Klamath Basin Fisheries Science (Bloch)	Freshwater Fish Management (Sousa)	Habitat & Water Quality (Joplin/Seeger)
8:00 pm	Poster Session and Social (Hellman/Williams)				
Thursday, February 25					
8:00 a.m.	Salmon in the City (Hellman)	Latest Lamprey News (Vistas II)	Native Fishes (Bloch)	Freshwater Fish Management (Sousa)	Environmental Legacies: Understanding the Past – Learning for the Future (Joplin/Seeger)
10:00 a.m.	Break				
10:20 a.m.	Fish Culture & Health (Hellman)	Marine Fisheries (Vistas II)	Native Fishes (Bloch)	Freshwater Fish Ecology (Sousa)	Environmental Legacies: Understanding the Past – Learning for the Future (Joplin/Seeger)
Noon	Awards Luncheon (<i>no charge</i>) and Professional Awards (Hellman/Williams)				
1:30 pm	ORAFS Business Meeting and Scholarship Awards (Hellman/Williams)				
2:30 pm	ORAFS Committee Breakout Discussions (Williams)				
2:40 pm	Break				
3:00 pm	Fish Culture & Health (Hellman)	Education: How to Get the Next Generation Outside and in the Creek (Vistas II)	Freshwater Habitat in Oregon: Research, Restoration, and Emerging Issues (Bloch)	Freshwater Fish Ecology (Sousa)	Restoring Stream Flows Through Innovation (Joplin/Seeger)
6:00 pm	Banquet Social/Banquet/Raffle/Auction (O'Neill/Hellman/Williams)				
Friday, February 26					
8:00 a.m.	Fish Passage and Physical Habitat (O'Neill)	Education: How to Get the Next Generation Outside and in the Creek (Joplin/Seeger)	Modeling Returns: Where are We Straying? (Bloch)	Limiting Factors — Which Matter Most? (Sousa)	Restoring Stream Flows Through Innovation (Williams)
10:00 a.m.	Break				
10:20 a.m.	Wet-n-Wild in 2010 (O'Neill)	Intersection of Science and Policy (Joplin/Seeger)	Mitigation/Enhancement Requirements and Solutions at Dams (Bloch)	Limiting Factors — Which Matter Most? (Sousa)	Willamette Biological Opinion (Williams)

Registration

Located on the first floor of the Convention Center (lobby), registration hours are as follows:

Tuesday, February 23
10:00 AM – 5:00 PM

Wednesday, February 24
7:00 AM – 6:30 PM

Thursday, February 25
7:00 AM – 5:00 PM

Friday, February 26
7:00 AM – Noon



Raffle

Raffle tickets will be for sale Tuesday through Thursday in the registration area and during the Poster Social. On Thursday night, tickets will be available during the banquet social as well as during the banquet. Several of the raffle items will be on display at the registration table prior to the raffle. The raffle itself will take place after the banquet. Don't leave early!

Abstracts

Abstracts from the technical sessions and symposia, as well as other conference information, may be found on the ORAFS website at www.orafs.org. A community copy of the abstracts will be available at the registration table.

Poster Session

Poster Setup Noon – 7:30 PM, Wednesday
Display Hours 8:00 PM – Midnight, Wednesday – 8:00 AM – 5:30 PM, Thursday

Poster authors will be on hand from 8:00 p.m. to 9:00 p.m. during the Poster Social on Wednesday evening. Posters have been organized by topic, and updated maps will be available in the Exhibit Hall. Posters will be taken down starting at 8:00 a.m. on Friday. Unless alternative arrangements are made in advance, posters not removed from the display boards by noon on Friday will be discarded.

FREE!
Limit 40 people

Post-Meeting Tour (Friday 1:00-2:30 PM)

The City of Eugene is sponsoring a tour of the Delta Ponds Habitat Restoration Project. This FREE tour will take place Friday afternoon starting at the Delta Ponds at 1:00 p.m. Space is limited to the first 40 participants to sign up on the “Delta Ponds Tour” sign-up sheet at the Registration Desk, available starting Wednesday morning.

Over the past several years, the City of Eugene has collaborated with state and federal partners to restore this area of side-channel habitat. Once degraded and separated from the Willamette River and supporting only invasive plants, the hydrologic connection has been restored, and it is now a thriving habitat with over 40,000 native plants and on-site use by Chinook and cutthroat trout. ODFW adopted the project as a Salmon Trout Enhancement Program project in 2006, and the project received awards from DOGAMI in 2008 and ODFW in 2009.



Carl Schreck accepts the American Fisheries Society's Award of Excellence in 2009.

Needles in Haystacks, Haruspication and Much Harder than Rocket Science: Perspectives on Science for Fisheries

DR. CARL B. SCHRECK, PROFESSOR AND LEADER

Oregon Cooperative Fish and Wildlife Research Unit & Department of Fisheries and Wildlife, Oregon State University

Dr. Schreck is a professor and the leader of the Oregon Cooperative Fish and Wildlife Research Unit & Department of Fisheries and Wildlife, Oregon State University. Schreck began his career in fisheries with an A.B. in Zoology from the University of California at Berkeley in 1966. Following a year's study at Humboldt State University, he attended Colorado State University, where he received his M.S. in 1969 in Fisheries Science and his Ph.D. in 1972 in Physiology and Biophysics and Fisheries Science. In 1975 he became the assistant leader of the Oregon Cooperative Fish and Wildlife Research Unit through the U.S. Fish and Wildlife Service and an assistant professor at Oregon State University. Two years later he became the leader of that unit and still serves in that capacity for the Biological Resources Division, U.S. Geological Survey, where he is a senior scientist. He is also a full professor in the Department of Fisheries and Wildlife at OSU and has supervised about 80 graduate student theses. His research has focused primarily on salmonids, where he applies environmental physiology and behavior to address environmentally relevant questions. Over the years he has authored or collaborated on over 260 papers published in peer-reviewed journals.

Dr. Schreck served on the Governor's Coastal Salmon Science Team to develop recovery plans

for at-risk salmon and trout for the federal listing process. He is now serving his second four-year term as a member of the Independent Multidisciplinary Science Team (IMST) for the State of Oregon, being appointed by the Governor, Speaker of the House and President of the Senate. He has been elected co-chair of the IMST for the last five years. The IMST serves to provide scientific oversight of issues related to salmonid recovery measures and restoration of watershed health.

He is in his third four-year term as President of the International Federation of Fish Endocrinologists. He has served on the editorial boards of *The Transactions of the American Fisheries Society*, *Copeia*, *Comparative Biochemistry and Physiology*, *General and Comparative Endocrinology*, and *Aquaculture*. He currently serves as editor for "The Environment" for the journal *Diseases of Aquatic Organisms*. Dr. Schreck has also served as a visiting full professor at the University of Jos, Nigeria.

We're honored that Dr. Schreck has accepted this opportunity to share his exceptional experiences and thoughtful perspectives on our profession.

Dr. Schreck's keynote presentation will take place from 1:00-2:30 p.m. Wednesday, Feb. 24, in the O'Neill/Williams rooms.

Student-Mentor Social

Wednesday, February 24 6:00 – 7:30 PM

Vistas I

This event has been hugely popular during previous meetings and returns for 2010. This year's event will include improvements on the speed-mentoring format of last year. Students and professionals will have the occasion to discuss experiences, opportunities, and challenges in fisheries careers in a one-on-one forum during the Student-Mentor Social. Employers, professors, professionals, and graduate program representatives are encouraged to attend.

Poster Social

Wednesday, February 24.....8:00 PM – Midnight
Hellman/Williams

This year's poster social will include over 30 posters covering a vast array of fisheries-related issues. Join us in the Hellman/Williams rooms for Wednesday's Poster Social. Read the posters, talk with the authors, and enjoy free food and drink. Authors will be present at posters between 8:00 and 9:00 p.m. to discuss their work.

Banquet Social, Banquet, Auction & Raffle

Thursday, February 25.....6:00 PM – 9:00 PM
O'Neill/Hellman/Williams

Social: 6:00 PM – 6:30 PM

Silent Auction: 6:00 PM – 8:30 PM

Banquet: 6:30 PM – 8:00 PM

Raffle and Oral Auction: 8:00 PM – 9:00 PM

Everyone is encouraged to join their friends during the festivities planned for Thursday night. Do not miss this opportunity to win some great artwork, possibly a trip, or maybe some outdoors equipment. Complimentary beverages will be available throughout the night. Although banquet tickets are not required to participate in the social and raffle/auction, a ticket is required to receive a banquet meal. To ensure an evening of continuous fun, be sure to purchase your banquet ticket in advance.



To maximize networking opportunities and celebrate our chapter's accomplishments, the 2010 ORAFS Annual Meeting will host several social networking events in Eugene. Admission to socials requires a conference name badge.

Jam Session

Thursday, February 25.....9:00 PM – 12:30 AM
O'Neill/Hellman/Williams

Meeting attendees who enjoy music, especially that produced by your friends in the fisheries profession, will not want to miss the open jam session following the banquet. All those who are musically inclined are encouraged to participate. This is an excellent opportunity to marvel at the talents of your colleagues while enjoying free drinks and music. The lamprey rap is not to be missed!

Texas Hold'em Fundraiser

Thursday, February 25.....9:00 PM – 12:30 AM
O'Neill/Hellman/Williams

If you know when to hold'em and when to fold'em, then this is the event for you. Join meeting attendees in this fundraising event to discover who is the best, or luckiest, Texas Hold'em player while enjoying free beverages. Who will walk away with the bragging rights? If you are interested in participating, but have not registered, please sign up at the registration table in the lobby (\$25 registration fee).

Calendars, T-shirts, CD

Ray Troll

\$25 gift certificate

Jim Teeny Inc.

4 zoo admissions

Oregon Zoo

12x18 raging red rainbow photo

richardgrost.com photography

12x18 struggling steelhead photo

richardgrost.com photography

Plano tackle box w/tackle

NW Sport Fishing Ind Assoc

Wright & McGill rod

NW Sport Fishing Ind Assoc

Rod travel case

NW Sport Fishing Ind Assoc

Rod travel case

NW Sport Fishing Ind Assoc

Basic skills class for 2

Alder Creek Kayak & Canoe

Five nights at The Pines in Sunriver

Vacation Internationale

Hand knit scarf/hat

Michelle Weaver

Bass and popper flies framed print

Paul Scheerer

Assorted T-shirts

Columbia Sportswear

Western Oregon fishing trip

Neil Ward

Albacore tuna trip off Oregon Coast

Scott Heppell

Fishing gear package

Conf Tribes of Warm Springs

Fishing in Oregon; Fishing in Oregon's Endless Season; Fishing Washington's Endless Season

Flying Pencil Publications

Two tickets

Marine Discovery Tours

Getaway Package

Wildhorse Resort Casino

(2) reserved women's basketball tickets

Oregon State Athletics

Box of assorted hooks and lures

Eagle Claw

Wall Map

Raven Maps and Images Inc.

Got Fish? (Image of sockeye salmon and brown bear cubs in Alaska)

Mary Edwards

THANK YOU TO OUR GENEROUS DONORS

Raffle and Auction

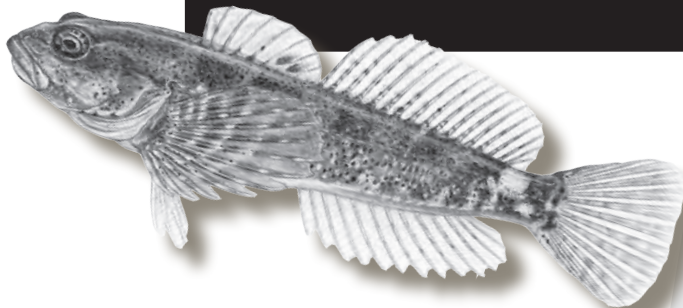
This year's raffle and auction includes items for every interest from artwork to zoo passes! Peruse the displays at the banquet to see things up close and get the details on various trips and trinkets. Be sure to admire this year's Joe Tomelleri original artwork of a shorthead sculpin, before it goes home with some serious afishianado. Please join us in thanking and supporting the donors who make this event possible, including those listed here (as of press time).





Buy Raffle tickets for a chance to win

- Patagonia clothing
- Rod travel case
- Kayak skills class
- T-shirts
- Books
- Gift certificates



Oral Auction

- Original Tomelleri artwork
- Framed photo by Rich Grost
- Framed photo by Mary Edwards
- Tomelleri Salmon River Westslope cutthroat print
- Albacore Tuna trip with Scott Heppell

Postcards from the Lostine (combo print: 3 images framed as a single print featuring underwater scenes from the Lostine River)

Mary Edwards

2 tickets to 2010 regular season game

Portland Timber Soccer

4 tickets to a 2010 regular season game

Portland Beavers Baseball

Assortment of Tazo products

Tazo Tea

2 tickets to 2010 show

Oregon Shakespeare Festival

Southern Oregon fishing trip

Ian Reid

Wildlife prints - White tail deer, Moose

National AFS

(1) pair CCUF100 Cufflinx, and Chota Wading Products "Special Event Discount" (could save up to \$151.90)

Bryant

50% discount on a log house rental

Lonesome Duck

Stain glass chum

Foiled Again

Wine

Tyee Winery

Coleman stainless steel cooler

Coleman

Print

Julie Rumreich

Tour and wine tasting for 10

Willamette Valley Vineyards

Tote bag & multi-tool

Cabela's

Women's sun shirt & fishing vest

Patagonia

Men's sun shirt

Patagonia

Dual haul bag

Patagonia

Bag, towel and Blanket

Seattle Seahawks

1 free night stay

The Riverhouse

Collection of fish-themed beer

Warren Leach

Goodie bag

Trader Joe's SE Portland

Magazine subscriptions

NW Fly Fishing Magazine



Vendor Exhibit Hours of Operation

Wednesday, February 24

2:30 – 8:00 PM

Thursday, February 25

8:00 AM – 6:00 PM

Friday, February 26

8:00 AM – 10:20 AM

Come and see what is happening in

fishery science, arts, and technology at the 2010 Vendor Exhibit. Stay abreast of new technologies and creative expressions, with abundant opportunities to network with professionals and learn about their products and services. All morning and afternoon refreshment breaks will be served daily in the Vendor Exhibit area. We look forward to seeing you there.

Biomark Inc.

7615 W. Riverside Drive
Boise, ID 83714
208-275-0011 www.biomark.com

Biomark has over 20 years experience with PIT Technology. In addition to the sale of tags and readers and our mass-marking services, we design, construct, install and support monitoring systems for a variety of fisheries research applications. Examples of this are monitoring systems for high velocity spillway and fish bypass discharges. Biomark also provides solutions for small and large-scale stationary and portable riverine monitoring systems. Stop by and discuss your project with us!

ICF Jones and Stokes

2600 V Street
Sacramento, CA 95818
916-737-3000 www.jonesandstokes.com

ICF Jones & Stokes is a multidisciplinary environmental consulting firm that provides a full range of environmental planning and resource-management services. In February 2008, we joined with ICF International to bring increased depth and provide expanded capabilities in environmental planning and natural resource management, especially in the transportation, energy, and water resources sectors. Our breadth of expertise enables us to offer clients multifaceted, fully integrated solutions using in-house resources.

With offices throughout the western United States, Jones & Stokes provides local responsiveness with a regional, national, and global awareness. Our clients include federal, state, and local governments; special districts; private organizations such as land developers, corporations, and nonprofit organizations; and engineering and law firms.

Lotek Wireless Inc.

115 Pony Drive
Newmarket, ON L34 7B5
905-836-6680 www.lotek.com

Lotek Wireless Inc. is a world leader in the design and manufacture of fish and wildlife monitoring systems. Our innovative and internationally recognized radio, acoustic, archival and satellite monitoring systems allow researchers to track animals of almost any size, in almost any environment. Some 2010 highlights include our new JSATS acoustic receiver, our new 0.30 gram JSATS acoustic tag, our WHS 2000 R-code acoustic datalogger, our 0.25 gram radio Nanotags, and our new MST radio sensor tags.

Save Our Wild Salmon

2031 SE Belmont
Portland, OR 97214
503-230-0421 www.wildsalmon.org

Founded in 1991, Save Our Wild Salmon (SOS) is a nationwide coalition of conservation organizations, commercial and sportfishing associations, businesses, river groups, and taxpayer advocates working collectively to restore self-sustaining, abundant, and harvestable populations of wild salmon and steelhead to rivers, streams and oceans of the Pacific Salmon states.

We focus our efforts on the Columbia and Snake River Basin, where in the time of Lewis and Clark up to 16 million wild salmon returned each year. Today, as few as 10,000 salmon return home to the Snake River. By partially removing four dams on the lower Snake River we can restore the Pacific Northwest's wild salmon and free-flowing rivers as vital economic engines for local communities.

VEMCO

77 Chain Lake Drive
Halifax, NS B3S 1E1
902-450-1700 www.vemco.com

VEMCO is the world leader in the design and manufacture of underwater acoustic telemetry products used by researchers to study the behavior of various fish species and marine mammals in fresh and saltwater environments. VEMCO will be showcasing the popular VR2W monitoring receiver, along with their full line of transmitters and the VR100 tracking receiver. The VR2W Positioning system (VPS), a low cost, non-real-time underwater acoustic fine-scale positioning system, will also be featured.

Oregon Chapter American Fisheries Society 2010 Annual Business Meeting – Draft Agenda

**February 25, 2010, 1:30-2:30 p.m.
Eugene Hilton**

- 1:30.....Call-to-Order (Rich Grost)
 Identify Parliamentarian
 Determination of quorum (50 voting members)
 Recognitions:
 –2009 National Outstanding Chapter of the Year Award
 –ExCom
 –Committee chairs, newsletter, website
 –Sponsors
 –Special guests
- 1:40Approve minutes from 2009 Annual Business Meeting (Neil Ward)
 Summarize Financial Statement, FY 2008-2009
- 1:45.....President’s Report (Rich Grost)
 –Strategic Plan goals and accomplishments
 –Products: Letters (support for NFHCA, review of FCRPS AMIP); Stream
 Continuum posters
 –Sponsorships for book, RAFWE, Beaver Conference, WDAFS
 –Communications: newsletter, website, listserv
 –New business?
- 1:55Student Subunit and support (Shivonne Nesbit, Brett Anderson)
- 2:00Student Scholarship Awards (Scott Heppell)
 –Associate, Bachelor’s, Master’s, Ph.D., Carl Bond
- 2:10.....External Director’s report (Jeremiah Osborne-Gowey)
 –Education and Outreach – 2009 and 2010 Grant Awards to 6 projects
 –Legislative Committee
 –Legislative Liason (Confluence Consulting)
 –Other committee actions
- 2:20Western Division update: meeting April 19-23 in Salt Lake City (Mary Buckman)
- 2:25Election of new officers (Rich Grost)
 –President-Elect, Colleen Fagan
 –Vice President, Shivonne Nesbit (incumbent)
 –Secretary-Treasurer, Michele Weaver
 –Internal Director, Jason Kent
 –External Director, Jeremiah Osborne-Gowey (incumbent)
 Presentation of Past President Award
- 2:30Adjourn
- 2:30-3:00.....Committee roundtable discussions

Draft Minutes of the Annual Business Meeting Oregon Chapter American Fisheries Society

Bend, Oregon
26 February 2009

Submitted by Shaun Clements

The meeting was called to order by Neil Ward at 4:19. A quorum of 49 members were present at the beginning of the meeting.

Neil first recognized the assistance of the students during the Annual Meeting. Kristle Volin was also recognized for her role in recruiting and organizing the student body in 2009. A total of 49 student volunteers helped make the meeting a success.

The draft minutes from 2008 were approved and will be posted following the meeting. Shaun Clements presented the financial statement for the period Mar 1, 2007 to Apr 30, 2008. The primary expenses during this period were the Administrative Assistant, the initial costs for the Western Division Annual Meeting, and the production of the Inland Rainbow Trout Workshop Proceedings. There was a deficit of \$4,391 for the year, however, this will be offset in the following annual report by income from the Western Division meeting (about \$100,000). ORAFS currently has cash reserves of about \$215,000.

Neil presented the 5 year plan which was developed by ExCom during the previous fall. The plan identifies seven key objectives, each having multiple tasks. There is a focus on three of these objectives during the current year:

- Developing programs that advance understanding of fishery science
- Advocate policies that protect Oregon's fish and habitat
- Increase public awareness, understanding, and appreciation for fish.

To achieve these objectives, ExCom is currently undertaking to:

- 1) Host the annual meeting and investigating the potential for hosting an off-season workshop (topic based on survey of membership).

- 2) Assist and promote fishery and aquatic education in schools. Produce workshops and materials for teachers and councils.
- 3) Maintain a presence in the Oregon legislative process. Maintain an awareness and ability to respond to policies.

ORAFS has signed a contract with Confluence Consulting to address Task 3. The contract costs \$300 month and is valid for several months, after which ExCom and the Legislative Committee will evaluate the value. A member of the audience questioned whether ExCom had considered cost sharing with TWS. ExCom did consider this but there wasn't a lot of interest from TWS. In addition, cost sharing resulted in time sharing which wasn't efficient. The consultant will be bringing issues to our attention, but won't be speaking on our behalf unless explicitly directed to in writing. Reports will be provided to ExCom on a bimonthly basis with weekly phone calls to the External Director. Another member commented that he would like to be kept up to date with current events at the legislature so he could provide testimony if needed.

External Director Annual Review: Jeremiah Osborne-Gowey outlined the goals he has developed for the chapter during the coming year. The primary focus is to achieve increased activism and participation, particularly in the external committees. A number of new members have been recruited to the external committees. These include: Ryan Couture, Jens Lovtang, Jason Kent, Steve Starcevich, and Scott Heppell.

Jeremiah has also worked with ExCom to develop a rapid response system for reacting to potential fisheries issues as they come up. During the past year Jeremiah has worked on increasing ORAFS recognition within the states fisheries agencies and the legislature. As part of this effort, Jeremiah has attended meetings for a number of groups, including Fish Conservation Leaders and TWS. However, the majority of time has been devoted to the search and vetting process for a legislative liaison.

Following the signing of the contract, Jeremiah has been in regular contact with the liaison. In the 2009 session there were about 100 bills dealing with natural resources. This allowed little time for reaction. The goal for the coming year is to channel any relevant bills to external committees for comment. Some issues that are of interest to ORAFS include: LNG, wind and wave energy, climate change, and rapid evaluation of projects receiving stimulus and natural disaster funds.

Western Division Updates: Dave Ward noted that the Western Division has produced a completion report that discusses Western native fishes. In addition, an interactive database will soon be launched on the WDAFS website. The Division has also initiated an effort to support aquatic education. They are currently looking for volunteers to support teachers who are making aquatic education more accessible. The Division meeting is coming up in May and will be held in Albuquerque. The Division has set aside a \$10K travel fund for students. Division elections are also coming up, with a rare chance to support multiple OR Chapter members: Mary Buckman is running for Secretary Treasurer, and Dave Ward is running for President.

Carl Schreck asked Dave about the chapter's involvement in the "Year of Science". Dave noted that this is an NSF initiative and has been adopted at the level of national AFS.

ORAFS ExCom Elections. Doug Young noted that there was only one contested position for the coming year (Internal director). Demian Ebert was confirmed as President-Elect. Demian has been heavily involved in organizing the parent society meeting in San Francisco. Shivonne Nesbit was confirmed as Vice President. Shivonne is currently a PhD student at OSU. Rich Grost will transfer to the President position and Neil Ward will become Past President. Following a vote, Martyne Reesman was re-elected to the Internal director position.

Scholarships: Scott Heppell noted that we had a large

number of applicants for this year's scholarships. In total, 42 students applied for 5 awards. The majority of applications were for the bachelor's award. The Carl Bond Scholarship was offered for the first time. This award is intended to provide funds for an especially talented graduate student working on Oregon native fish. This year, the committee received five strong applications for that award. The winners from all categories were selected following a review of the applications. These were:

Associate Degree-**Kari Roche** (Mt. Hood Community College)
 Bachelor's-**Autumn Smith** (F&W, OSU)
 Master's-**Mac Barr** (Marine resources program OSU)
 PhD-**Ben Clemens** (F&W, OSU)
 Carl Bond Scholarship-**Matt Sloat** OSU (F&W)

Scott thanked the members of the review committee for their time and commitment. Overall, it was a very close competition.

Past President's Award: Neil presented Doug Young with an award to honor his work for ORAFS during the past 3 years. Doug has provided a great amount of his time to advance the mission of both ORAFS and WDAFS. Some of the major achievements of his presidency include: Providing scholarships for student travel to AFS meetings, improving the relationships between ORAFS and OSU and ODFW, streamlining of ORAFS operations, and publication of the Proceedings for the Coastal Cutthroat workshop (available through PSMFC). Doug accepted the award (and complimentary baby-blue T-shirt) and acknowledged the membership and other members of ExCom for their assistance during his tenure.

The meeting was adjourned at 5:10.

**Oregon Chapter American Fisheries Society
FINANCIAL STATEMENT FOR FISCAL YEAR 2009**

[1 May 2008 to 30 April 2009]

BEGINNING BALANCE	\$107,882.09
EXPENSES	
Core Costs	
Accountants – tax preparation	\$750.00
Mileage	\$213.48
Misc. office expense (copying, postage, fax...)	\$102.96
ExCom Spring Retreat 08	\$234.85
ExCom Spring Retreat 09	\$551.10
ExCom meeting (Nov.–Corvallis)	\$203.06
Bank charges	\$1,384.68
Postbox rental	\$60.00
Subtotal	\$3,500.00
GOAL 1 – Program Development	
Coastal Cutthroat Proceedings	\$3,067.00
Aquatic education for K-12 schools	\$1,000.00
Expense for President or designee to WDAFS AM	\$1,195.41
Expense for President or designee to AFS AM	\$2,492.81
Expense for President or designee to WDAFS Mid-Year	\$965.00
ORAFS Sponsored Grants for education/Outreach	\$13,760.00
Sponsorship of non-ORAFS conferences	\$4,000.00
Sponsorship of 2009 WD Annual Meeting	\$750.00
Subtotal	\$27,230.00
GOAL 2 – Policy Advocacy	
External Director support	\$1,493.00
Confluence consulting	\$600.00
Subtotal	\$2,093.00
GOAL 4 – Promote Development Opportunities	
Four student scholarships	\$8,000.00
AFS memberships for 1st and 2nd place students	\$360.00
Carl Bond Scholarship	\$5,000.00
NWFCC Scholarships	\$1,000.00
Subtotal	\$14,360.00
GOAL 5 – Maintain an Active Student Subunit	
Student subunit support	\$2,000.00
Student subunit officers - AFS dues	\$0.00
Subtotal	\$2,000.00
TOTAL EXPENSES	\$49,184.00

INCOME**Interest**

Money market account	\$1,178.16
WD investment fund	-\$2,849.00

Chapter Rebates/Dues	\$1,683.48
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Annual Meeting and workshops:

08 WDAFS Meeting	\$84,563.00
09 Annual Meeting	\$17,198.79
09 Workshops	\$4,165.00

TOTAL INCOME	\$105,939.00
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NET INCOME	\$56,756.00
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Non-property assets as of 1 May 2008	\$107,882.09
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Non-property assets as of 1 May 2009	\$164,638.00
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Allocation of ORAFS holdings as of Jan 2010

Checking	\$155,645.00	94.95%
Savings	\$50.34	0.03%
WDAFS Endowment (as of 9/09)	\$8,226.74	5.02%
TOTAL	\$163,922.08	100.00%

WDAFS Endowment

DATE	BALANCE	GAIN/LOSS	%
30-Nov-08	\$6,862.95		
31-Dec-08	\$7,009.52	\$146.57	2.14%
31-Jan-09	\$6,684.41	-\$325.11	-4.64%
28-Feb-09	\$6,290.66	-\$393.75	-5.89%
31-Mar-09	\$6,561.32	\$270.67	4.30%
30-Apr-09	\$7,052.24	\$490.92	7.48%
31-May-09	\$7,402.17	\$349.92	4.96%
30-Jun-09	\$7,419.02	\$16.85	0.23%
31-Jul-09	\$7,846.43	\$427.41	5.76%
31-Aug-09	\$7,941.20	\$94.77	1.21%
30-Sep-09	\$8,226.74	\$285.54	3.60%
	TOTAL GAIN	\$1,363.79	19.87%

Technical Sessions, Wednesday, 2/24/09, 3:00-5:00 pm

	Salmon in the City	Latest Lamprey News	Emerging Klamath Basin Fisheries Science	Freshwater Fish Management	Habitat and Water Quality
Room	O'Neill	Williams	Bloch	Sousa	Joplin/Seeger
Moderator	Michael Reed, City of Portland	Bianca Streif, USFWS	Ian Courter, Cramer Fish Sciences	Allison Evans, OSU	Laura Tesler, ODFW
3:00 pm	Urbanization versus Salmonids: An Overview of a Report by Oregon's Independent Multidisciplinary Science Team (IMST) Robert Hughes, OSU	Cryptic Nature of Pacific Lamprey in North Umpqua River: Dam Passage, Habitat Use, and More! * Ralph Lampman, OSU	Thermal Diversity in the Klamath River Basin: Management Implications Michael Deas, Watercourse Engineering Inc.	A Bayesian Belief Network to Prioritize Restoration of Aquatic Connectivity, Western Oregon * Eric Andersen, OSU	Evaluating Watershed Condition: Bottom Up vs. Top Down Approaches? Robert Al-Chokhachy, USFS
3:20 pm	The Current Understanding of the Urban Stream Syndrome among Streams in the Portland, Oregon Metropolitan Area Alan Yeakley, PSU	Freshwater Residence of Adult Pacific Lamprey in a Coastal Oregon River Basin Steve Starcevich, ODFW	Effects of Flow Augmentation and Meteorological Conditions on Coho Salmon Production in the Klamath River Basin Ian Courter, Cramer Fish Sciences	Utilizing Electronarcosis to Radio Tag Bull Trout... Not As Shocking As You Might Think! Michael Hudson, USFWS	Quantifying Temporal Variability in Stream Habitat Data: Implications for Restoration and Monitoring Robert Al-Chokhachy, USFS
3:40 pm	Assessment of Aquatic Biological Communities along a Gradient of Urbanization in the Willamette Valley Ecoregion Ian Waite, USGS	Improving Passage with Conflicting Needs and Status: Lamprey and Salmon David Clugston, USACE	Factors Affecting Coho Smolt Survival in the Lower Klamath River John Beeman, USGS	Implementation of Shielding and Current Attenuation to Reduce PIT-Tag-Code Collision in Large Antennas Used with a Surface Trawl Matthew Morris, PSMFC	A Landscape Classification to Support the Intensively Monitored Watersheds Thomas Whittier, OSY
4:00 pm	Biological Communities, Physical Habitat and the Influence of Freshets on Fish in a Seattle Stream Roger Peters, USFWS	Oregon's Wonderful Lamprey Fauna: Continuing Explorations Stewart Reid, Western Fishes	Juvenile Coho Life History Tactics Utilizing the Mid-Klamath River Corridor with Linkages Between Inland and Coastal Riverine Habitats Toz Soto, Karuk Tribe	Development of a Mobile PIT-Tag Separation by Code and Interrogation Device Robert Magie, PSMFC	Floodplain Infrastructure and Disconnected Rivers: Mapping Obstacles and Opportunities for Habitat Preservation and Restoration * Paul Blanton, UofO
4:20 pm	Contribution of Urban Streams in the Lower Willamette River to Recovery of Salmon and Steelhead Willis McConnaha, ICF Jones & Stokes	Relationships between Gill Pore Papillae and Myomeres in Brook Lampreys * Justin Huff, OSU	Shasta River Juvenile Coho Monitoring Using PIT Tags and Remote Detection Christopher Adams, CDFG	Juvenile Survival, Smolt-to-Adult Return Rates, and Run Timing of Hatchery Spring Chinook Salmon in Two Northeast Oregon Streams Joseph Feldhaus, ODFW	Tide Gate Impacts on Coho Salmon Movement * Arthur Bass, OSU
4:40 pm	Salmon in the Portland Metropolitan Area: A Compilation of Fish Investigations Conducted by Oregon Department of Fish and Wildlife Erick Van Dyke, ODFW	Pacific Lamprey Conservation Initiative: Past, Present, and Future Howard Schaller, USFWS	Effects of <i>Ceratomyxa shasta</i> Infections on Klamath River Salmon Jerri Bartholomew, OSU	Angling Mortality of Adult Steelhead in the Grande Ronde River, OR Jeffrey Yanke, ODFW	Recovery of Middle and Upper Snake River Tributaries: Chinook Salmon Habitat Feasibility Study in the Malheur River Erica Maltz, Burns Paiute Tribe

* student paper

AFFILIATION ACRONYMS

EPA = Environmental Protection Agency
 NMFS = National Marine Fisheries Service
 NOAA = National Oceanic and Atmospheric Administration
 ODEQ = Oregon Department of Environmental Quality
 ODFW = Oregon Department of Fish and Wildlife

OSU = Oregon State University
 PGE = Portland General Electric
 USFS = U.S. Forest Service
 USFWS = U.S. Fish and Wildlife Service
 USGS = U.S. Geological Survey
 CDFG = California Department of Fish and Game

PSU = Portland State University
 UofW = University of Washington
 CFTWS = Confederated Tribes of Warm Springs
 PSMFC = Pacific States Marine Fisheries Council
 UofO = University of Oregon

Technical Sessions, Thursday, 2/25/09, 8:00-10:00 am

	Salmon in the City	Latest Lamprey News	Native Fishes	Freshwater Fish Management	Environmental Legacies: Understanding the Past – Learning for the Future
Room	Hellman	Vistas II	Bloch	Sousa	Joplin/Seeger
Moderator	Michael Reed, City of Portland	Bianca Streif, USFWS	Paul Schereer, OSU	Allison Evans, OSU	Rebecca Miller, OSU
8:00 am	The National Research Council's Review of Stormwater Permitting: Is There a Regulatory Path to Healthy Urban Streams? Derek Booth, Stillwater Sciences	Evaluation Of Pacific Lamprey Passage at Willamette Falls Hydroelectric Project, 2009 Chris Karchesky, Normandeau Associates Inc.	Freshwater Fishes of Oregon Douglas Markle, Astoria Unified School District	Relative Vulnerability to Avian Predation of PIT-tagged Subyearling Fall Chinook Salmon in the Columbia River Estuary Scott Sebring, PSMFC	Benthic Invertebrates in Contaminated Sediments of the Lower Willamette River Leyla Arsan, SWCA
8:20 am	Urban Stormwater Management and Salmon Eric Strecker, Geosyntec Consultants	Pre-spawning Migration Behavior and Distribution of Pacific Lamprey in the Willamette Basin Shadia Duery, Cramer Fish Sciences	First Documented Spawning of White Sturgeon in the Lower Willamette River, Oregon Tucker Jones, ODFW	Monitoring Estuarine Survival of Steelhead Trout (<i>Oncorhynchus mykiss</i>) Smolts in the Nehalem and Alsea Basins, Oregon Using Acoustic Telemetry * Jeremy Romer, OSU	2008 Findings of Oregon DEQ's Toxics Monitoring in the Willamette River Basin Jim Coyle, ODEQ
8:40 am	Willamette Basin Rivers and Streams Assessment Robin Leferink, ODEQ	Where the Wild Things Are: Patterns and Motives in Migration and Habitat Use in Pacific Lamprey in the Willamette Basin Benjamin Clemens, OSU	Behavioral and Physiological Response of White Sturgeon to an Electrical Sea Lion Barrier System Amanda Bryson, Pacific Northwest National Laboratory	Influence of Seaward Migration and Ocean/Climatic Conditions on Survival Rates of Snake River Chinook Salmon and Steelhead Howard Schaller, USFWS	What We Need To Understand About Our Climate System: The Role of Negative and Positive Feedback Processes Alder Fuller, Euglena Academy
9:00 am	Stormwater and Salmon Don't Mix Nat Scholz, NOAA	Development of a Method to Estimate Escapement of Adult Pacific Lamprey at Willamette Falls Cyndi Baker, CFTWS	Downlisting of Oregon Chub in the Willamette River Drainage: What's Next? Brian Bangs, ODFW	Assessing Freshwater and Marine Environmental Influences on Life-cycle Mortality Rates of Snake River Spring/Summer Chinook and Steelhead Jerry McCann, Fish Passage Center	Sources of Environmental Contaminants in Bald Eagle Eggs from the Aleutian Archipelago Robert Anthony, OSU
9:20 am	Is Development Compatible with Healthy Watersheds Thomas Holz, Thomas W. Holz, LLC	Willamette River Mainstem Habitat Use by Larval Pacific Lamprey and Western Brook Lamprey Jeffrey Jolley, USFWS	Status of Warner Suckers in the Warner Lakes Basin, Oregon Shannon Richardson, ODFW	Marking of Snake River Basin Anadromous Fish: What Is Being Done and Can It Be Better Integrated? Jay Hesse, Nez Perce Tribe	Is the Past Present? Historical Splash Dam Stream Disturbance Detection in the Oregon Coast Range * Rebecca Miller, OSU
9:40 am	Applying a Scientific Framework for Adaptively Managing Restoration of Urban Streams, and Identifying Monitoring and Research Needs Stephen Ralph, Stillwater Sciences	Panel Discussion	—	Getting the Word Out in a Digital Age: A Web Application for Serving and Visualizing Salmon Data. Julie Firman, ODFW	—
10:00 am	Break				

* student paper

Technical Sessions, Thursday, 2/25/09, 10:20-Noon

	Fish Culture and Health	Marine Fisheries	Native Fishes	Freshwater Fish Ecology	Environmental Legacies: Understanding the Past – Learning for the Future
Room	Hellman	Vistas II	Bloch	Sousa	Joplin/Seeger
Moderator	Ryan Couture, ODFW	Scott Heppell, OSU	Paul Schreerer, OSU	Heidi Andersen, USFS	Rebecca Miller, OSU
10:20 am	The Oregon Hatchery Research Center: A Laboratory in the Natural Environment David Noakes, OSU	New Technology Developments for Understanding Spatial and Temporal Activity Patterns of Fish in Nature Dale Webber, VEMCO Ltd.	An Evaluation of Otoliths, Opercular Bones, and Fin Rays for Aging Lost River and Shortnose Suckers Ryan Braham, USGS	The Ecological Relevance of Temporal Variability in the Diet and Consumption by Cottid and Salmonid Fishes in Headwater Streams in Western Oregon * Mark Raggon, USGS	Willamette River 1906 Channel Change Set the Stage for a Legal Legacy Patricia A. Benner
10:40 am	Impacts of Multiple Parasite Species Infection on Oregon Coastal Juvenile Coho Salmon (<i>Oncorhynchus kisutch</i>) * Jayde Ferguson, OSU	Developing Models to Assess the Impacts of Fisheries Bycatch on Sea Turtle Populations Selina Heppell, OSU	Comparing Calcified Structures to Determine a Non-lethal Ageing Technique for Threatened Warner Suckers * Patrick Hayden, OSU	Density-dependent Selection on Metabolic Indices of Survival and Growth in Territorial Stream Fish * Matthew Sloat, OSU	The Introduction of Non-native Fish into Protected Mountain Lake Ecosystems in California: Impacts to Native Species and Conflicting Mandates of Management Agencies Karen Pope, USFS
11:00 am	Occurrence of the Salmonid Fish Pathogen, <i>Ceratomyxa shasta</i> , in the Clackamas River Richard Holt, OSU	Juvenile Rockfish Settlement in Oregon Estuaries * Alison Dauble, OSU	Research and Management of Listed Fishes in the Desert: A Story of Predetermination and Desire Nikolas Zymonas, ODFW	Movement Patterns of Redband Trout and Mountain Whitefish in the Crooked River, Oregon * Shivonne Nesbit, OSU	Reflections on Legacies in Nature and Human Thought Frederick J. Swanson, Pacific Northwest Research Station
11:20 am	Modeling the <i>Ceratomyxa shasta</i> Cycle in the Klamath River System * Adam Ray, OSU	Got Gas in Your Genes? Try These Biomarkers! * Alena Pribyl, OSU	The Dam Diet: An Analysis of the Diet Composition of Northern Pikeminnow Captured Directly from The Dalles and John Day Dams Michele Weaver, ODFW	Evaluation of a Sampling Approach to Monitor the Status of Great Basin Redband Trout in Eastern Oregon Stephanie Miller, ODFW	—
11:40 am	Guidance for Use of Jack Chinook Salmon Males in Hatchery Broodstock Based on Experimental Evidence for Sexual Selection Timothy Hoffnagle, ODFW	—	Allometrically Informed Approaches to Species Discrimination and Discovery in the Leporinus cylindriciformis Group (<i>Characiformes: Anostomidae</i>) Brian Sidlauskas, OSU	Redband in the Blitzen River: Migratory Behavior of a Desert Trout Matthew Anderson, USFS	—

Technical Sessions, Thursday, 2/25/09, 3:00-5:00 pm

	Fish Culture and Health	Education: How to Get the Next Generation Outside and in the Creek	Freshwater Habitat in Oregon: Research, Restoration, and Emerging Issues	Freshwater Fish Ecology	Restoring Streamflows Through Innovation
Room	Hellman	Vistas II	Bloch	Sousa	Joplin/Seeger
Moderator	Ryan Couture, ODFW	Jeff Yanke, ODFW	Steve Starcevich, OSU	Heidi Andersen, USFS	Aaron Maxwell, Deschutes River Conservancy
3:00 pm	Analysis of Stable Isotopes in Fish Mucus During a Controlled Diet Switch Robbins Church, EPS	Wallowa Mountain Institute's Wallowa and Imnaha River Watershed Evaluations Team (WET) Program: Connecting Youth with their Watersheds through Hands-on Science and Discovery Penny Arentsen, Wallowa Mtn Institute	Large Wood Restoration Projects in Oregon: Are They Effective at Restoring Stream Complexity Kim Jones, ODFW	Upper Malheur Brook Trout Suppression Plan Chad Abel, Burns Paiute Tribe	Oregon Water Law Kody Thurgood, ODWR
3:20 pm	ODFW's Fish Health Survey of Naturally Produced Fish Craig Banner, ODFW	Fin and Feather Field Day Susan Honea, OSU	What Can Clinical Medicine Teach Fisheries Science? A Systematic Review on the Effectiveness of Placing Large Wood in Streams Kelly Burnett, USFS	Reintroduction of Spring Chinook Salmon into Lookingglass Creek, Oregon Steve Boe, Confederated Tribes of the Umatilla Indian Reservation	Methods for Determining Instream Flow Needs Tim Hardin, ODFW

* student paper

Technical Sessions, Thursday, 2/25/09, 3:00-5:00 pm (continued)

	Fish Culture and Health (continued)	Education (continued)	Freshwater Habitat (continued)	Freshwater Fish Ecology (continued)	Restoring Streamflows (continued)
3:40 pm	Comparison of Two Macrolide Antibiotics to Reduce Prespaw Mortality due to Bacterial Kidney Disease in Maturing Female Chinook Salmon Sally Gee, ODFW	La Grande Field Office Education and Outreach Programs in Northeast Oregon Gretchen Sausen, USFWS	A Logical and Flexible Model to Describe Habitat Quality for Salmonids in the Pacific Northwest Jennifer Burke, UofW	Juvenile Coho Salmon Use of Off-Channel Habitats in the Lower Klamath River Dave Hillemeier, Yurok Tribe	Financial Incentives for Flow Restoration Molly Whitney, NFWF
6:00 pm	Prevalence of Bacterial Kidney Disease in Natural vs. Hatchery-Reared Adult Chinook Salmon Spawned in a Hatchery and in Nature Tim Hoffnagle, ODFW	Kokanee Karnival Youth Education Program Jennifer Luke, ODFW	The Small Stream, Urban Stream, and Intermittent Stream Project Daniel Vandyke, ODFW	Ecological Differences of Juvenile Steelhead Produced by Natural Origin and Local Hatchery Origin Adult Steelhead Spawning in the Wild Benjamin Kennedy, USFWS	Funding with Dedicated Lottery Funds for Flow Protection and Ecological Flows Kenneth Bierly, OWEB
4:20 pm	Correlation of Salinity Effects on Tilapia (<i>Oreochromis mossambicus</i>) Plasma Osmolality, Cortisol, and Respiration Brittany Kammerer, OSU	Learn Core Science to Save Salmon: A New Model for Introducing Environmental Challenges into Public School Curriculum Judith Jensen, Educational Solutions	Patterns of Cutthroat Trout Growth, Survival and Movement in Headwater Streams Before and After Logging Douglas Bateman, OSU	Development of a Water Temperature Model to Predict Life-history Expression and Production of <i>Onchorhynchus mykiss</i> in the John Day River Basin, Oregon Jeff Falke, NOAA	Transactional Approaches to Flow Restoration: Case Studies of The Freshwater Trust in the Umatilla and Grande Ronde Basins Natasha Bellis, The Freshwater Trust
4:40 pm	—	Blair Creek Riparian Restoration Project: Just How Dirty Can We Get Them? Karen Hans, ODFW	Mending A Broken Chain: The Role of Life History and Habitat in Recovering Spring Chinook in the Willamette Basin Kirk Schroeder, ODFW	Uncovering Landscape Controls to Explain the Variation in Coho Salmon (<i>Oncorhynchus kisutch</i>) Habitat Kara Anlauf, ODFW	Restoring Flow to the Deschutes Basin Aaron Maxwell, Deschutes River Conservancy

Technical Sessions, Friday, 2/26/09, 8:00-10:00 am

	Fish Passage and Physical Habitat	Education: How to Get the Next Generation Outside and in the Creek	Modeling Returns: Where Are We Straying?	Limiting Factors: Which Matter Most?	Restoring Streamflows Through Innovation
Room	O'Neill	Joplin/Seeger	Bloch	Sousa	Williams
Moderator	Jason Kent, HDR Inc.	Jeff Yanke, ODFW	Ray Beamesderfer, Cramer Fish Sciences	Steve Cramer, Cramer Fish Sciences	Aaron Maxwell, Deschutes River Conservancy
8:00 am	Restoring the Salmon River Estuary Kami Ellingson, USFS	ODFW Aquatic and Angler Education Program: A New Look at Reaching Youth Shahab Farzanegan, ODFW	Tempo and Mode: Climate Change, Environmental Variability and Salmon Prediction Peter Lawson, NOAA	Assessing Limitations to Life History Diversity to Help Prioritize Actions for Restoring Steelhead Patrick Connolly, USGS	KBRT and Flow Restoration in the Upper Klamath Basin Steven Parrett, Goldinwater
8:20 am	Effectiveness Monitoring of Fish Passage Remediation at Road-Stream Crossings Following Multiple Bank Full Flow Events David Heller, USFS	Astoria High School Aquatic Biology Program Lee Cain, Astoria High School	Recent Errors and Improvements in Salmon Run Forecasting Kathryn Kostow, ODFW	Using the Complete Life-cycle in Analyzing Limiting Factors. Erik Suring, ODFW	Addressing Peak and Ecological Flows Rick Kepler, ODFW
8:40 am	Spatial and Temporal Variability in the Demography of Coastal Cutthroat Trout in the Trask Watershed Study Jason Dunham, USGS	Salmon Stewardship Summit: Salmon Education that Spans the Pacific Sarah Oakley, The Freshwater Trust	Preseason Salmon Return Forecasts and Implications for Management Chris Kern, ODFW	Influence of Resident Rainbow Trout on Abundance of Sympatric Steelhead in the Upper Yakima Basin Ian Courter, Cramer Fish Sciences	Restoring Instream Flows through Changes in Operation of Dams and Diversions: Local Application of a Global Approach Leslie Bach, TNC
9:00 am	Fish Passage and Entrainment: Automated, Autonomous, Remote Site Monitoring and Assessment James Dawson, BioSonics Inc.	Motivating Teachers to Teach Science/Partners in Education Joseph O'Neil, ODFW	Hit the Road Jack: Development of Non-cohort Based Run Forecast Models for the Hood River Subbasin Ryan Gerstenberger, CFTWS	Limiting Factors for Bull Trout Don Ratliff, PGE	Quantifying the Effectiveness of Flow Restoration Projects: The Freshwater Trust's Approach to Streamflow Monitoring Scott Peerman, The Freshwater Trust

Technical Sessions, Friday, 2/26/09, 8:00-10:00 am (continued)

	Fish Passage (continued)	Education (continued)	Modeling Returns (continued)	Limiting Factors (continued)	Restoring Streamflows (continued)
9:20 am	Start-Up of the Round Butte Dam Selective Withdrawal and Downstream-Migrant Fish Facilities Don Ratliff, PGE	Wolftree: Engaging Students in Watershed Science Education Blake Lowrey, Wolftree Inc.	Simulation of Chinook Salmon Life History Trajectories in an Anastomosed Stream Network Jesse Schwartz, ICFI	Quantifying the Influence of Elevated Stream Temperatures in Limiting Juvenile Spring Chinook Populations in the Willamette Basin, Oregon Mark Teply, Cramer Fish Sciences	Restoration Effectiveness Monitoring in Whychus Creek, Deschutes Basin, Oregon Brett Golden, Deschutes River Conservancy
9:40 am	—	Easter Oregon Natural Resource 4-H Science Camp Linda Brown, CFTWS	The Fish Are In Charge: Effective Salmon Fishery Management in a Dynamic and Unpredictable World Ray Beamesderfer, Cramer Fish Sciences	Theoretical Improvements in the Abundance and Productivity of Natural Salmonid Populations Achieved Through Changes in Hatchery Broodstock Management Andy Appleby, WDFW	Whychus Creek Restoration through Camp Polk Meadow Mathias Perle, Upper Deschutes Watershed Council
10:00 am	Break				

Technical Sessions, Friday, 2/26/09, 10:20 am-Noon

	Wet-n-Wild in 2010	Mitigation and Enhancement: Requirements and Solutions at Dams	Intersection of Science and Policy	Limiting Factors: Which Matter Most?	Willamette River Biological Opinion
Room	O'Neill	Bloch	Joplin/Seeger	Sousa	Williams
Moderator	Laura Tesler, ODFW	Matt Bleich, HDR Inc.	Jeremiah Osborne-Gowey, Conservation Biology Institute David Moskowitz, Confluence Consulting	Steve Cramer, Cramer Fish Sciences	Mindy Simmons, USACE
10:20 am	Fish Photography 101 Rick Swart, ODFW	The Collision of Law, Politics and Science: Case Studies in Development of Mitigation Measures Julie Keil, PGE	Facilitating Collaborative Conservation Tony Faast, USFWS	Factors Influencing the Relative Fitness of Hatchery and Wild Spring Chinook Salmon in the Wenatchee River, Washington Michael Ford, NOAA	Working Together to Restore Habitat above USACOE Dams on the Willamette National Forest Nikki Swanson, USFS
10:40 am	Postcards from the Edge... Fish Addiction: How to Recognize the Signs and Related Paraphernalia Before You're Hooked and Bleeding to Death on the Cutting Edge of Photographic Technology Mary Edwards	A Summary of the Results of a Decade And A Half of Hydro Relicensing in the Northwest. How Have the Fish Fared? Dean Grover, USFS	Data Sharing Across Agencies: A Guide for Getting Everyone on the Same Page Bruce Schmidt, PSMFC	Consideration of Spatial Scale in Identifying Habitat as Limiting Factor Gordie Reeves, PNW Research Station	South Fork McKenzie River Habitat Enhancement and Restoration Ramon Rivera, USFS
11:00 am	How To Talk To Police, And Other Useful Tips for Freshwater Photographers Jeremy Monroe, Freshwaters Illustrated	The Cushman Project: Unique Fisheries Mitigation for Unique Hydroelectric Facility Marc Wicke, Tacoma Power	The "Protected Areas" List of the Northwest Power and Conservation Council Michael Banach, PSMFC	Patterns of Forest Disturbance in the Oregon Coast Range with Implications for Oregon Coast Coho Salmon Peter Lawson, NMFS	Monitoring Juvenile and Adult Spring Chinook Distribution, Abundance, and Movements in the South Fork McKenzie River Michael Hogansen, ODFW
11:20 am	Successful Fish Photos: Making the Cover! Rich Grost, RTG Photography	Flow Velocity Enhancement System: Analysis of Smolt Guidance in the Cowlitz River, Summer 2008 Chuck Coutant, Coutant Aquatics	Social Infrastructure to Integrate Science and Practice: the Experience of the Long Tom Watershed Council Rebecca Flitcroft, USFS	Habitat Limiting Factors for Pacific Salmon: Short-, Medium-, and Long-Term Considerations Peter Bisson, PNW Research Station	Genetic Origin of <i>Oncorhynchus mykiss</i> Collected from the Upper Willamette River Basin, OR Kevin Williamson, USFWS
11:40 am	Marine Fish and Habitat Studies of Oregon's Nearshore Reefs Using a Remotely Operated Vehicle Mike Donnellan, ODFW	Turbines as Enhancement? A Fish Mortality Study at Wickiup Dam Matthew King, Symbiotics LLC	—	—	—

DISPLAY HOURS**8:00 PM-Midnight, Wednesday, February 24****8:00 AM-5:30 PM, Thursday, February 25**

Location	Title	Author, Organization
1	Reintroduction of Spring Chinook into the Walla Walla Subbasin	Joelle Pomraning, Confederated Tribes of the Umatilla Indian Reservation
2	Diversity of Chinook Salmon Life Histories in the Salmon River Basin, Oregon	Trevan Cornwell, ODFW
3	Minijack Prevalence in Spring Chinook Salmon of the Yakima River Basin: Management Implications for Determining Smolt-to-Adult Rates	Deborah Harstad, University of Washington
4	Identification and Characterization of Overwinter Rearing Habitat of Juvenile Spring Chinook Salmon in the Grande Ronde Valley: The Initial Stages of a Collaborative Effort	Scott Favrot, ODFW
5	Age Composition of Hatchery- and Natural-Origin Spring Chinook Salmon in Five Northeast Oregon Streams	Nicholas Albrecht, ODFW
6	Effect of Altered Emergence Timing on Smolting in Yakima River Spring Chinook	Dina Spangenberg, University of Washington
7	Use of Membrane Filtration Florescent Antibody Test (MF-FAT) to Identify Renibacterium salmoninarum within Eggs of Sexually Mature Female Chinook Salmon: An Attempt to Establish Correlative Relationships between Detection of Bacteria in the Eggs, Ovarian	Mary Edwards, Nez Perce Tribe Fisheries, Research Division
8	Calcein Mark Retention in Chinook Salmon and Steelhead Trout Fry in Artificial and Natural Rearing Environments	Megan Hill, Portland General Electric
9	Smolt-to-Adult Survival and Stray Rate of Hatchery Summer Steelhead That Are Forced or Volitionally-Released Following Acclimation	Shelby Warren, ODFW
10	Survival and Migration of Summer Steelhead Derived from Hatchery Parents Captured by Angling in the Grande Ronde River	Michael Flesher, ODFW
11	Seasonality and Sizes of Salmonid Smolts (<i>Oncorhynchus</i> spp.) in Fall Creek, Oregon.	Camille Leblanc, OSU
12	A Rotating Trap Site Design to Monitor Smolt Productivity at Both the Population and Tributary Scale in the Sandy River, Oregon	Burke Strobel, Portland Water Bureau
13	Evaluating Headwater Cutthroat Trout Scales: Will Shortz, We Have a Puzzle for You!	David Leer, OSU
14	Modeling Electrofishing Sampling Efficiency to Provide Unbiased Population Estimates of Redband Trout	Michael Heck, USGS
15	The Importance of In-stream Cover for Cutthroat Trout	Brooke Penaluna, OSU

AFFILIATION ACRONYMS

BLM = Bureau of Land Management

ODFW = Oregon Department of Fish and Wildlife

OSU = Oregon State University

USFS = U.S. Forest Service

USGS = U.S. Geological Survey

Location	Title	Author, Organization
16	A Bull Trout Story: Ten Years of Monitoring on the Warm Springs Reservation	Jaym'e Schricker, The Confederated Tribes of the Warm Springs Reservation of Oregon
17	Lessons Learned from the Demise of Japanese Arctic Lamprey	Ralph Lampman, OSU
18	Endangered Lost River and Shortnose Suckers in Lake Ewauna and Use of the Link River Dam Fish Ladder, Oregon	Missy Braham, Bureau of Reclamation
19	Rigid Feeding Behavior of Moapa Dace (<i>Moapa coriacea</i>): A Drift Manipulation Experiment	Adam St. Saviour, OSU/USGS
20	Spatial Variation in the Distribution and Energy Density of Juvenile Walleye Pollock in the Southeastern Bering Sea	Luke Whitman, OSU
21	Diet and Growth in Juvenile Lingcod (<i>Ophiodon elongatus</i>)	Katie Borgen, OSU
22	Returning to Depth: Short-term Behavior and Survival of Rockfish after Venting	Suzanna Stoike, OSU
23	Sevenmile Fish Passage Improvement Project	Demian Ebert, PBS&J
24	Wolf Creek Restoration Effectiveness Monitoring – A Partnership Story	Jeff McEnroe, BLM
25	Fish Occupancy, Thermal Regimes, and Geomorphology of the Elwha River Prior to Dam Removals	Jason Dunham, USGS
26	Impacts of Splash Dams on Channel Morphology in the Coast Range of Southern Oregon	Jessica Phelps, University of Oregon
27	Thermal Regimes in Oregon Streams: Spatial Variation in Climate Impacts and Biotic Responses	Jason Dunham, USGS
28	Methods for Monitoring the Effects of Channel Maintenance Dredging on Sensitive Species	Leyla Arsan, SWCA Environmental Consultants
29	Evolution of PIT Tag Detection Systems Used with a Surface Trawl in the Columbia River Estuary	Amy Cook, Pacific States Marine Fisheries Commission
30	Ecosystem Diagnosis & Treatment 3.0	Jesse Schwartz, ICF International
31	Data Basin Aquatic Center: Expanding Access to Aquatic Conservation Data, Analysis Tools, People and Practical Answers	Jeremiah Osborne-Gowey, Conservation Biology Institute
32	A New Field Tool for Electronic Data Recording	Bruce Schmidt, Pacific States Marine Fisheries Commission
33	Exploring the Genotypic Variation of <i>Ceratomyxa shasta</i> in the Pacific Northwest	Matt Stinson, OSU
34	Facilitation by Introduced North American Beaver (<i>Castor canadensis</i>) on Non-native European Brown Trout (<i>Salmo trutta</i>) and Their Combined Effects on Macroinvertebrate Assemblages in Freshwater Sub-Antarctic Ecosystems	Ivan Arismendi, Universidad Austral de Chile

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