



Piscatorial Press

Oregon Chapter of the American Fisheries Society
WINTER 2002-2003

PRESIDENT'S CORNER

WHAT IS AN "INDEPENDENT SCIENTIST"?

Society expects the scientific community to provide an objective evaluation of science issues, based on the best information available, and to communicate this to the public and decision makers. Scientific review panels are formed to provide assessments of the state of knowledge about a particular issue. For example, the Oregon Plan uses the Independent Multidisciplinary Science Team as its advisor and the Northwest Power Planning Council and NOAA Fisheries use the Independent Scientific Advisory Board. The National Academy of Science, established to advise the federal government on scientific and technical matters, has regularly created review panels since its inception in 1863. The Oregon Chapter of AFS establishes an informal review team each time we write a paper or give public testimony. How do we ensure that each of us as individuals or as a member of a team presents objective, independent information?

Webster defines "independent", among other phrases, as "not affiliated with or integrated in a larger controlling unit, not subject to control by others, being or acting free of the influence of something else, and not looking to others for one's opinions of the guidance of one's conduct." That's a pretty tall order! The first filter to define independence is whether someone or his or her family has financial or employment interest in the outcome of a process. This fairly tangible criteria is fuzzy – if you have worked or might work as a consultant on related matters,

if you conducted investigations funded by participants in the project, or if your employer has a policy regarding the issue and your job might be in jeopardy. Are those conflicts to independence? Even universities, arguably the home of free and independent thinking, are influenced by the legislatures, agencies, foundations and corporations that fund ongoing operations and research projects. Is it likely that anyone is truly objective and independent? I doubt it. Our view of the world is shaped by our work environment, education, family and friends, past history, and individual modes of reasoning.

What can we do to keep ourselves independent, objective and unbiased? Few scientific conclusions are unequivocal. We all use the scientific method as the basic approach to produce scientifically defensible results. However, most biological conclusions are not made based on one definitive experiment or study, but rather on the strength of the evidence supporting a point of view. Here lies at least part of the difficulty. We pick and choose from vast amounts of information available.

I think the integrity of science relies on the planned and informal review processes and on the diversity of individual biologists within the profession. Publication in peer-reviewed journals and the ability to replicate studies validate information and incorporate critical thinking into the knowledge base. Agency publications, unpublished information, the World

Wide Web, and personal experience add still more to the body of knowledge. Increasingly, information is filtered through formal or informal review teams representing a diversity of backgrounds. Using all these information sources, we gradually accumulate a more robust body of knowledge of biological systems and the impact of human actions on these systems. But we expect our peers,

Continued on page 2

In This Issue

<i>President's Corner</i>	1
<i>ExCom & Committee Chairs Lists</i>	2
<i>2003 Annual Meeting Highlights</i>	3
<i>Plenary Session Overview</i>	4
<i>NEW!!! Trade Show 2003</i>	4
<i>Registration Form AM 2003</i>	5-6
<i>Fishery Photography Workshop</i>	7
<i>Student-Mentor Social</i>	7
<i>Own a Tomelleri ORIGINAL</i>	8
<i>Raffle & Auction</i>	8
<i>Trade Show Application Form</i>	9
<i>ExCom Candidates & Proxy</i>	10
<i>OSU Students Help Out!!!</i>	11
<i>Meet Our Legislative Intern</i>	12
<i>ORAFS Poster on Display</i>	12
<i>Join the ORAFS Listserve</i>	12
<i>Calendar of Events</i>	13
<i>Annual Meeting 2003 Agenda</i>	14-23
<i>ExCom & Friends</i>	24

Oregon Chapter Website:
oregonstate.edu/groups/orafs

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www.visionpaper.com

Continued from page 1

through all available avenues, to call us to task publicly and privately if we stretch conclusions too far or selectively use data.

Referring back to the Oregon chapter Code of Ethics, I found valuable guidance about our responsibilities as fishery scientists and members of AFS. Several points stood out as relevant to this discussion...

- "I will speak and write honestly and openly about the results of my work, neither hiding or exaggerating their implications. I will explicitly acknowledge my own biases, assumptions, and values that are the foundation of my understanding and interpretation of scientific theories and knowledge. I will be open to the ideas of others and evaluate those ideas with clear recognition of the influence of my own values."
- "I am obligated to be clear and honest in distinguishing between reports of results from rigorous study and my professional opinions based on observations or intuition."
- "Because our knowledge of changes in ecosystems is often coupled with a high degree of uncertainty, reasonable and competent professionals may disagree about the ecological and social consequences of natural resource decisions. We must therefore recognize that the foremost obligation of the fisheries professional is to ensure open, honest discussion of the benefits, costs, risks, and tradeoffs of alternative management actions in balancing scientific principles with the interests of society."

Scientists chip away slowly at understanding the complex biological and physical actions and interactions that relate to fish and aquatic ecosystems. John Schwartz, science reporter for The Washington Post, said "...scientific discovery moves less as the crow flies than as the sailboat tacks, first this way, then that, but edging ever forward." As long as the scientific community keeps its humility in realizing the tiny glimpse anyone of us has into the complexity of nature and we maintain the integrity, honesty and openness that has been the tradition of science, we will serve the society well.

Submitted by Mary Buckman, President



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Piscatorial Press is a quarterly newsletter of the Oregon Chapter American Fisheries Society - a non-profit membership organization. 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 LBrenner@attbi.com osu.orst.edu/groups/orafs

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.

Oregon Chapter dues are only \$2 per year!

HIGHLIGHTS OF THE 2003 OREGON CHAPTER ANNUAL MEETING

Things are shaping up as the Oregon Chapter AFS moves back to the Hilton Eugene and Conference Center for our upcoming annual meeting, February 26-28th, with a photography workshop starting at 1 pm on Tuesday, February 25th. While the meeting follows our usual three-day format, several changes are being tried this year (see the highlights below). **Register for the annual meeting and workshop by February 5th to get discounted rates (registration form pages on 5-6).** Remember - the Hilton is offering discounted room rates until February 7th and don't forget the free parking under the hotel (get a parking pass from the reservation desk).

♦ **Photography Workshop:** "Improve Your Fishery Photography – An Interactive Workshop for Fisheries Professionals" is being offered to the first 50 registrants by award-winning instructor Richard Grost. The training will improve your photography of fishes and their habitats. You'll also have a chance to get on-site advice for your own photos! The session starts at 1 pm on Tuesday, Feb. 25 and runs through noon Wednesday. See workshop details on page 7. Use the annual meeting registration form to register for the workshop as well. **Continuing Education Credits are available for this workshop.** Thanks Rich!

♦ **Welcome Coffee: Registration opens at 10am on Wednesday, February 26th with a Welcome Coffee!** Complimentary beverages for those arriving and registering early. Network, get caught up with friends, and peruse gift & art items. Oregon State University Bookstore will be on hand Wednesday & Thursday with a fine selection of fish and wildlife related books.

♦ **Plenary Session:** The annual meeting opens Wednesday at 1pm with a shortened plenary session featuring three renowned professionals from the Pacific Northwest speaking on the meeting theme, "Fisheries Science in Management Decisions: How is it Used?". Thanks Dave Ward! (see page 4)

♦ **Wednesday Afternoon Concurrent Sessions:** A new feature—4 concurrent sessions following the plenary to offer members more opportunities to learn and present. Thanks again Dave!

♦ **Student and Mentor Social:** Wednesday evening, 6-7pm. After a successful Match-the-Hatch in 2002, we will again provide a time to link experienced professionals with students (and job-seekers) to discuss professional and career interests. Includes complimentary beer and non-alcoholic refreshments while students and mentors mingle. **We still need volunteer mentors! Contact Steve Smith: huntersmith@canby.com**

♦ **Poster Session, Trade Show & Social:** An expanded poster session will be complimented with a **new trade show** and wrapped up into a complimentary social on Wednesday evening. Thanks to Troy Baker, Lance Kruzic, and Doug Young!

♦ **Spawning Run:** For those early risers, we will again offer a Thursday morning fun run with prizes to those young and younger, female and not-female, who finish the closest to their expected running times.

♦ **Concurrent Technical Sessions:** Again, the meeting offers 4 concurrent sessions on a host of fisheries topics. Thanks again Dave! **See the full program on page 14-23 or on the web: osu.orst.edu/groups/orafs.**

♦ **Business Meeting & Luncheon:** All registrants are invited to attend the Thursday luncheon featuring the Chapter's business meeting and officer elections. Lunch included in registration.

♦ **Thursday Evening Social:** The pre-banquet social is being expanded with a fine selection of microbrews offered at the low price of \$.50 /glass and non-alcoholic refreshments as well. Microbrews, a no-host bar, and non-

alcoholic beverages will be available throughout the evening. Thanks again Doug!

♦ **Thursday Night Banquet, Auction & Dance:** Plan on an entertaining evening with friends—good food, silent and oral auctions, and more subsidized microbrew. This year you have a special opportunity to snag a highly-sought after Tomelleri original from the collection of Doug Markle...a beautiful pair of kokanee! See the website for a peek at this original. Thanks to Tim Shibahara and Tom Friesen! Later in the evening kick up your heels and get down to the sound of Kelly Thibodeaux & Etouffee—red hot fiddle, shufflin' rhythm and blues, and kickin' Southern rock create an exciting new sound known as Swamp Rock. ***There is a charge for the banquet, but no charge to attend the social, auction, raffle, and dance. Don't forget some extra cash or credit for those raffle tickets and gotta-have auction items!***

♦ **Gov. John Kitzhaber Appreciation:** Gov. Kitzhaber has been invited to attend the meeting and receive a token of appreciation from the Chapter for his great contributions to fish and healthy watersheds. Stay tuned as plans are confirmed. Thanks Jim Martin!

♦ **Reserve your room ASAP at the Hilton Eugene, 1-800-937-6660, to receive the discounted room rate of \$62 single; \$77 double; let the hotel know you are with the Oregon Chapter Fisheries Society meeting. Final date to receive discounted rates February 7, 2003.**

♦ **Check the Oregon Chapter web site for annual meeting updates, registration forms, and the draft program (osu.orst.edu/groups/orafs).**

♦ **FMI Contact: Steve Smith at huntersmith@canby.com; 503-263-1253.**

♦ **Registration Questions? Contact Loretta Brenner at 541-753-0442; LBrenner@attbi.com.**

Don't miss the Excellent Plenary Session at the 39th Annual Meeting!

PLENARY SESSION-"FISHERIES SCIENCE IN MANAGEMENT DECISIONS: HOW IS IT USED?"

The 2003 meeting will offer a shorter plenary session so that concurrent sessions can begin the first day of the meeting. The plenary session includes three excellent speakers from varied backgrounds. The theme, "Fisheries Science in Management Decisions: How is it Used?" provides opportunities for our speakers to discuss how the data we gather is or is not used or perceived by policy makers, land managers, the public, the legal world, and others. This is particularly important in the current environment of "good science", "bad science", "fair science", etc., with our work as biologists coming under ever-increasing scrutiny. Here's an overview of the speakers and their talks.

Anne Badgley, "*Science Under the Microscope...the Role of Science in Public Policy Decision-Making*". Anne is the Regional Director of the U.S. Fish and Wildlife Service's Pacific Region. Prior to becoming Regional Director in 1998, Anne served as the Pacific Region's Assistant Regional Director of External Affairs. She has held key positions with the Department of the Interior as the Deputy Director for Congressional and Intergovernmental Affairs, and with the National Park Service as the Director's Chief of Staff.

Rod Sando, "*The Role of Science in the Policy Process: Does Sound Science Lead to Sound Policy?*" Natural resource policies are often challenged because they do not adhere to the best available science. Broader social and economic concerns are brought to the policy process and often, significant errors of implementation result. This discussion will explore how science and scientists can be more effective in the policy process.

Rod is currently the Executive Director of the Columbia Basin Fish and Wildlife Authority in Portland. He has been the Director of Idaho Fish and Game and the Commissioner of the Minnesota Department of Natural Resources. He began his career as a forester and spent 15 years in forest fire control and research before moving to senior management positions in forestry, real estate management, and agency leadership. Rod's experience with policy development and implementation, and his research experience bring a useful perspective to the issue.

Michael Blumm, "*Salmon Science, Policy, and History*." Michael's talk will trace the influence of salmon science on salmon law and policy through selected historical and contemporary examples. An effort will be made to ascertain the level of scientific proof required to make salmon policy.

Michael is Professor of Law at Lewis and Clark Law School in Portland, where he teaches the only course on Pacific Salmon Law in the country. He is the author of numerous articles on salmon law and policy, and the book, *Sacrificing the Salmon: A Legal and Policy History of the Decline of Columbia Basin Salmon*.

Submitted by Dave Ward, President-elect and Annual Meeting 2003 Chair

NEW! TRADE SHOW FEATURED AT THE 2003 ANNUAL MEETING!

Come see some of the latest products 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 26-28, 2003, at the Hilton Eugene. The trade show will open Wednesday night, February 26th, and run until Friday, February 28th.

Space is still available, but filling up quickly, so consider registering yourself or inviting your favorite vendors now. Trade show applications can be downloaded from the Oregon Chapter AFS website in mid October:
osu.orst.edu/groups/orafs

For more information, contact Lance Kruzic,
541-957-3381;
lance.kruzic@noaa.gov

Trade Show Application
Form on Page 9

REGISTRATION FORM - ANNUAL MEETING & WORKSHOP (page 1 of 2)

Oregon Chapter American Fisheries Society

2003 ANNUAL MEETING - FEBRUARY 26-28

"Fisheries Science in Management Decisions: How is it Used?"

Hilton Eugene & Conference Center (1-800-937-6660; call M-F, 7am-5pm)

Pre-meeting Workshop: "Improve Your Fishery Photography" - February 25-26

(Please submit one form per person; early registrations must be submitted by February 5, 2003)

Name (for name badge) _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Guest Name(s) for social, banquet and/or luncheon _____

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
- I am a student presenter and would like to be included in the student paper / poster competition
- I plan to attend 'Match the Hatch' student-mentor social Wed night
- I would like to be a mentor at the Student-Mentor Social Wed. night. Indicate area of professional interest: _____

ANNUAL MEETING REGISTRATION February 26-28, 2003 -

(Feb. 26: Welcome Coffee 10am, Plenary 1pm; Feb. 28: Adjourns 12noon). Registration includes: Coffee Breaks, Wed. evening: Social & Poster Session, Student-Mentor Social, Trade Show; Thurs.: Business Lunch; evening Raffle, Auction, & Dance

Become a member of AFS and reduce your registration costs! Contact AFS at our website osu.orst.edu/groups/orafs for membership information

Yes! I have just paid AFS membership dues, please register me at member rates! (enclose copy of membership form)

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

EARLY REGISTRATION Submitted by February 5

Regular	\$95
Retired	\$70
Student	\$50
One-day registration see next page ¹	

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

EARLY REGISTRATION Submitted by February 5

Regular	\$120
Retired	\$ 95
Student	\$ 60
One-day registration see next page ¹	

\$ _____

Thursday Business Lunch (Included in Registration—please check your selection):

- Turkey Deli Sandwich
- Italian Hoagie Sandwich
- Mediterranean Vegetable Sandwich (Vegetarian)

LATE FEE (Add to all registrations submitted after February 5, 2003) **\$20 /registrant** \$ _____

BRING A GUEST TO: **WEDNESDAY NIGHT SOCIAL & POSTER SESSION** \$10 /guest \$ _____
THURSDAY BUSINESS LUNCHEON (indicate lunch choice above) \$15 /guest \$ _____

THURSDAY NIGHT BANQUET (Please indicate selections & number of dinners wanted, and record price on line to the right)

_____ Black Butte Pork Loin **\$24 each** _____ Chicken Achiote **\$24 each** _____ Pasta Pomodora (Vegetarian) **\$19 each** \$ _____

PRE-MEETING WORKSHOP - "Improve Your Fishery Photography" - Feb. 25 (1-5pm) & Feb. 26 (8:00am-12 noon) -

Facilitated by fishery photographer and scientist Richard Grost.

(Workshop description can be found on facing page or on the Oregon AFS Website: osu.orst.edu/groups/orafs)

WORKSHOP FEE

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

EARLY REGISTRATION Postmarked by February 5

\$90

WORKSHOP FEE

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

EARLY REGISTRATION Postmarked by February 5

\$115

\$ _____

LATE FEE (Add to workshop registrations submitted after February 5, 2003) **\$20 /registrant** \$ _____

SUBTOTAL

REGISTRATION FORM (page 2 of 2)
2003 ANNUAL MEETING & PRE-MEETING WORKSHOP
Oregon Chapter American Fisheries Society

Last Name of Registrant: _____

SUBTOTAL FROM PAGE ONE

VOLUNTARY CONTRIBUTION TO SPONSOR STUDENT REGISTRATION & LODGING (Tax Deductible) \$ _____
PURCHASE ORDERS ADD PROCESSING FEE PER SEPARATE INVOICE \$20/invoice \$ _____
GOVERNMENT CREDIT CARDS ADD PROCESSING FEE \$2/registration \$ _____

TOTAL REGISTRATION PAYABLE TO OREGON CHAPTER AFS

501(c)3 Organization Federal Tax ID # 23-7226681

We accept payment by check, money order, Mastercard or Visa. Payment by check saves the Oregon Chapter money by avoiding credit card processing fees. Thanks!

VISA or MASTER CARD PAYMENT

PRINT NAME (from card) _____ CARD # _____
SIGNATURE _____ EXPIRATION DATE _____
ZIP CODE FROM CARD BILLING ADDRESS (for verification) _____

Please note: Registrations cannot be held unless paid in full! Early registrations must be submitted by February 5, 2003

BEFORE FEBRUARY 14, 2003 MAIL or FAX REGISTRATION TO:

Oregon Chapter AFS
P.O. Box 722
Corvallis, OR 97339

FAX: 541-757-4102

AFTER FEBRUARY 14, 2003

Email: LBrenner@attbi.com or call 541-753-0442 to indicate you will be attending the meeting, but you must register on-site at the OCAFS desk at the Hilton Eugene. On-site registrations are not guaranteed meal choices.

ONE-DAY FEE FOR ANNUAL MEETING: For February 26, 27, & 28 = 80% of regular meeting rate.

REFUNDS: Cancellations in writing prior to February 14, will be refunded minus a \$20 administrative fee.
NO REFUNDS AFTER FEB 14.

LODGING: call Eugene Hilton at 1-800-937-6660 (M-F, 7am-5pm) and request Oregon Chapter Fisheries Society rate. Reservations must be made by February 7, 2003, to guarantee group rates, if rooms are still available.
Single room \$62; Double \$77.

ANNUAL MEETING QUESTIONS: Steve Smith, huntersmith@canby.com; 503-263-1253

REGISTRATION QUESTIONS: Contact: Loretta Brenner, LBrenner@attbi.com

ANNUAL MEETING UPDATES & INFO: osu.orst.edu/groups/orafs

**Oregon Chapter AFS Presents
 "Improve Your Fishery Photography"
 An Interactive Workshop for Fisheries Professionals
 February 25-26, 2003
 Hilton Eugene & Conference Center**

AFS members can apply for 0.8 Continuing Education Units (CEUs) for an additional \$7 fee upon course completion



Forget Dr. Hook and *The Rolling Stone*: "Gonna see your project on the cover – on the cover of *Fisheries*!" After you've been through the Feb 25-26 fishery photo workshop, you'll know exactly how to make photos suitable for *Fisheries*...or any other magazine, report, display, or presentation. Sure, there will be some tech-talk and specialty discussion, but also plenty of practical and simple tips for making better photos with *any* kind of camera in *all* kinds of situations. You can even bring your own camera (and owner's manual) and see if the group can exorcise the demons from it. Register using the Oregon Chapter AFS 2003 Annual Meeting registration form on pages 5-6. Photography is a powerful tool for work and play, but the power is directly related to the content, format, and quality of the image.

Award-winning instructor Richard Grost has balanced parallel careers in professional photography and fishery science since 1986, and specializes in photography of fish and fishery issues. In this interactive workshop, he'll share his experience and answer all your questions about fishery photography. Come to this workshop to get the most out of YOUR photos.

Tuesday, February 25, 1-5p.m. - Photographic Fundamentals

- general photographic principles,
- equipment selection (point-and-shoot vs. SLR vs. video, lenses and accessories),
- media selection (digital vs. film, slides vs. prints),
- scanning film into digital format, and
- examples of how to make better photographs in any situation.

Wednesday, February 26, 8-12 noon - Details of Fishery Photography

- delve more specifically into photography of fish habitat, fish in aquaria, and fish in natural underwater habitats,
- discuss underwater videography as a research and documentation tool,
- feature one or two of YOUR images in a classroom critique, where you can wow us with a great shot, or seek advice to improve the not-so-great.

Registration for this fact-filled workshop is \$90 for AFS members, \$115 for non-members. *AFS members can apply for 0.8 Continuing Education Units (CEUs) for an additional \$7 fee upon course completion.* Space is limited to the first 50 registrants. Use the Oregon Chapter Annual Meeting registration form on pages 7-8. This eight-hour workshop is being held in conjunction with the 2003 Oregon Chapter Annual Meeting which begins February 26th at 1p.m., & requires separate registration.

For information regarding workshop content, contact: Richard Grost: rgrost@richardgrost.com; to view samples of his work visit: www.richardgrost.com. For registration information contact Loretta Brenner: LBrenner@attbi.com; 541-753-0442; or visit the Oregon Chapter AFS website at osu.orst.edu/groups/orafs/

Match the Hatch Comes Back!
**PLAN TO ATTEND
 THE 2003 STUDENT
 & MENTOR SOCIAL**

The 2003 Student-Mentor Gathering a.k.a "Match-the-Hatch" is scheduled for Wednesday night, February 26, 6-7pm, prior to the Poster Session & Social. Students (and other job-seekers) will have the opportunity to learn about professional opportunities, employer attributes, and career planning from fisheries professionals or "mentors" who will gather to share their thoughts, experiences, and job or internship-finding tips. All this while enjoying a variety of complimentary imbibements and light snacks!

Plans are in the works to ease and increase student-mentor interactions, and to allow students to network with professionals from a variety of fields. Interested in attending or serving as a mentor? Just check the appropriate box on the first page of the registration form (see page 5). Mentors and students are encourage to include their areas of interest. While mingling with the students, mentors are asked to answer questions, and to share the positive and challenging aspects of their jobs, their organizations, and their careers. Students will also have a chance to ask questions about pursuing a career state, tribal and federal governments, private industry, consulting, and academia. Don't miss this great event!

For more information contact Steve Smith, Internal Director and Arrangements Chair, 503-263-1253, huntersmith@canby.com.



AUCTION & RAFFLE ITEMS STILL NEEDED

The Oregon AFS Annual Meeting is less than a month away, and we have amassed an impressive array of donations for our annual raffle, auction, and silent auction. Donations are still being accepted, and revenue from our popular auction and raffle is used to support Chapter activities. We are looking for original art, decorative fish items, prints, quilts, guided fishing or raft trips, outdoor wear and gear, books, weekend getaways, and other interesting items. Please contact Tom Friesen or Tim Shibahara if you would like to make a tax-deductible donation. Plan to attend the raffle and auction immediately after the Thursday night banquet, February 27, from 7-9pm. This year we are auctioning off a beautiful and treasured Joseph Tomelleri original illustration of a pair of kokanee. See page the next article for more info about the Tomelleri original artwork we are auctioning.

Donation forms and other information are posted on the Oregon AFS website: osu.orst.edu/groups/orafs

Donations may be sent to: Tom Friesen, c/o ODFW, 17330 SE Evelyn Street, Clackamas, Oregon, 97015. (Donations may also be brought to the Annual Meeting in Eugene, but please let Tim or Tom know what you are donating)

Tom Friesen
503-657-2000, extension 411
tom.a.friesen@state.or.us

Tim Shibahara
503-630-8234

Tim_Shibahara@pgn.com

YOUR CHANCE TO OWN A BEAUTIFUL AND RARE JOSEPH R. TOMELLERI ORIGINAL

Don't miss the opportunity to own this original fish drawing by world-renowned scientific illustrator Joseph R. Tomelleri. This pair of kokanee was caught at Heron

Lake, New Mexico in 1990. The female was caught by Joe Tomelleri and the male was caught in a gill net. Images of this original have ap-



peared on prints, posters, t-shirts, books, signs, and most recently Behnke's trout and salmon book. The picture was matted and framed by Joseph Tomelleri and has been in the collection of Dr. Doug Markle, Department of Fisheries and Wildlife, Oregon State University for over 10 years. The archival framed illustration measures 23 X 26 inches, and is a beautiful and precise rendering of these exquisite fish, done in Tomelleri's traditional medium of Prismacolor colored pencils. This original has been valued at \$2500.

The Oregon Chapter of the American Fisheries Society is offering an opportunity for you to bid on this Joseph Tomelleri original. The auction will be held as part of the Oregon Chapter AFS annual meeting on Thursday, February 27, 2003 at the Eugene Hilton and Conference Center, 66 East 6th Avenue. The auction will be open to the public, but please contact Tim Shibahara by February 25, 2003 if you plan to attend the auction only. If you cannot attend the auction, but would like to bid, please contact Tim Shibahara for specific bidding information. Bidders must provide a current Visa or Master Card number, and phone number.

Contact Tim Shibahara at: Tim_Shibahara@pgn.com; 503-630-8234.

TRADE SHOW APPLICATION

NOTE: TRADE SHOW IS SCHEDULED FOR WED. & THUR. OF THE CONFERENCE WITH THE OPTION TO DISPLAY FRI. MORNING FOR AN ADDITIONAL \$20. SEE BELOW FOR FURTHER INFO.

Oregon Chapter American Fisheries Society Annual Meeting:
Fisheries Science in Management Decisions: How is it Used?
February 26-28, 2003, Hilton Conference Center, 66 E. Sixth Ave., Eugene, OR
www.osu.orst.edu/groups/orafs/

Company name: _____			
Representative (s): _____			
Address: _____			
City: _____	State: _____	Country: _____	Zip: _____
Phone: _____	Fax: _____	E-mail: _____	

Please check here if you DO NOT want your name included on an attendee list to be distributed at the meeting.

Display and Registration Fees:

_____ 8x8 ft display space (\$200 regular ; \$130 non-profit organizations) \$ _____

- Includes 8 ft table, chairs, & registration for one person to attend presentations & social events.
- Trade show will begin at noon Feb. 26 and end the evening of Feb. 27 after the social events.
- Fill out attached Annual Meeting Registration Form and include with this Trade Show application.

_____ Optional: Keep display up for last ½ day of conference (Fri) (add \$20/space) \$ _____

_____ Tripod easels (\$10 each/day) \$ _____

_____ Electrical outlet (\$25/hookup) \$ _____

_____ Late Fee after Jan 15th, space permitting (\$25) \$ _____

Voluntary additional contributions to conference operations and program \$ _____

TOTAL (payable to: Oregon Chapter AFS): \$ _____

Applications MUST be accompanied by payment via check, money order, or credit card

MC/VISA Info:

Print Name (as on the card): _____

Signature: _____ Cardholder Zip Code: _____

Card No: _____ Expiration Date: _____

BEFORE Jan. 31, mail to: Annual Meeting Trade Show, Oregon Chapter AFS, P.O. Box 722, Corvallis, OR 97339;

FAX to ORAFS at 541-750-7068; or EMAIL to ORAFS at LBrenner@attbl.com

AFTER Jan. 31, call or email ORAFS (Loretta Brenner), 541-753-0442, LBrenner@attbl.com to see if space is available.

Confirmation will be sent via email, and receipts provided at the workshop.

REFUNDS: Cancellations received in writing before Jan 15th will be refunded minus a \$100 admin. fee per space reserved, which drops to \$50 if the space can be re-booked. No refunds after Jan. 31. Tax ID Number: The Oregon Chapter AFS TIN is: 23-7226681.

LODGING: call the Eugene Hilton (1-800-937-6660 / 541-342-2000) ASAP and request the limited AFS rate (\$62 single; \$77 double).

Other trade show questions? Contact Lance Kruzic, 541-957-3381, lance.kruzic@noaa.gov

MEET THE 2003-2004 ORAFS EXECUTIVE COMMITTEE CANDIDATES

At this point we have an excellent (and uncontested) slate of candidates for the Oregon Chapter AFS ExCom. Nominees will be accepted up to, and during the Business Meeting on Thursday, February 27, 2003, and current Oregon Chapter members may vote during the Business Lunch. Contact Nominations Chair and Past-President, Tony Faast, for more information, 503-231-6233; tony_faast@fws.gov.

Nominee for President-Elect Doug Olson

Hello, my name is Doug Olson and I am running for President-elect of the Oregon Chapter of the American Fisheries Society. My platform is education. All Oregon citizens need to make informed decisions regarding our actions and subsequent impact on natural resources. As natural resource practitioners and members of the American Fisheries Society, we are in positions to inform, influence, and instruct others both within and outside of our organization. Our Annual Meetings are a highlight of this means of education. I would serve the Chapter in continuing our outstanding performance in this area. Another area of influence is through our External Committees. For the last few years I have been Chair of the Fish Culture Committee and have seen the importance of producing "White Papers" for communicating with our state legislators. As President, I will encourage participation of members in the continued development of these "papers" for communication with legislators, the public, and other resource professionals. I have also helped out in classrooms and outdoor field experiences for elementary and middle school programs through schoolyard wildlife habitat, 4H, and Cascade Streamwatch. As President, I will continue to be an advocate for the education of young minds.

My diverse experience with multiple agencies puts me in a position to understand differing viewpoints and look at information with a critical eye, appreciating the uncertainty surrounding biological decisions. I am not an analytical

wizard but I'm quite resourceful in finding the information and bringing people together in solving complex biological problems. I have worked for private industry, state, tribal, and federal governments, living and working in both rural and urban environments. I have worked through the ranks from technician to biologist to supervising biologists working in the habitat, hydro, harvest, and hatchery forums. I am presently the Hatchery Assessment Team Leader for the Columbia River Fisheries Program Office of the U.S. Fish and Wildlife Service. We are involved with conducting studies and balancing the need for conservation, mitigation, and providing harvest opportunities.

As President I will promote the involvement of all members of the Oregon Chapter and encourage membership by all disciplines of Fisheries Science. Education is key.

Nominee for Vice-President (Incumbent) Barry McPherson

As a recent retiree from ODFW and a 30-year member of the Oregon Chapter of AFS, I believe it is an excellent time for me to serve the chapter as Vice President. I served a term in this capacity, as well as External Director, in the 1980's. As my career with ODFW became increasingly demanding I was not alone in stating that AFS needed to find willing retirees to serve as Chapter officers. "Now I are one". When a vacancy in the VP position occurred, I was asked by the Executive Committee if I was interested in being considered for appointment. I gladly said "yes" and was appointed to begin serving September 1. I have learned much about the ORAFS of the 21st Century versus that of the 1980's (before Email, websites, cell phones, student chapters, administrative assistants, and other great advances). Being VP has been very rewarding to date and I would like to continue serving you in this capacity for another term.

I think AFS, especially through the annual chapter meeting, provides a valuable service to fishery and aquatic professionals. It also provides a valuable service to students interested in starting a career in these fields. I'm convinced that a natural resource profession benefits from a professional society that provides opportunities for self-improvement for its members through exchange of up-to-date findings, techniques, methodologies, resource management approaches, and other ideas. It believe the profession benefits from a professional society that provides a voice for its members to the public and to elected or appointed decision makers that affect the members and the natural resources of interest to these professionals. And I feel that the profession benefits from a professional society that provides forums for camaraderie and friendship that recharges the motivation and enthusiasm of its members. It takes good leadership within a professional society to do all this, and I think my 30-year research and management career in fisheries, previous roles in ORAFS, and willingness to serve others will enable me to help provide this leadership for you.

Nominee for Secretary-Treasurer Mike Matylewich

For the past nineteen years I have worked at the Columbia River Inter-Tribal Fish Commission (CRITFC). I am currently the Fisheries Management Department Manager at CRITFC. The Fisheries Management Department, which consists of eleven employees, works harvest, fish passage, and hatchery production issues. My primary responsibility is providing tribal policy makers with assistance in their negotiations with the state and federal governments on fishing seasons and salmon recovery actions. I am a member of the Data Sharing Committee for the Pacific Salmon Commission. The regional debate on salmon recovery issues prompted me to go back to

school and I am currently working on a Masters Degree in Conflict Resolution at Portland State. I am interested in the interface between science and policy.

I have been a member of AFS since my first stint in graduate school in the early 1980s. For several years I was active in the Chapter's Legislative Committee and served as Chair of the committee for two legislative sessions. The position of Secretary-Treasurer will help me reacquaint myself with the Chapter's activities. I believe that I can make some positive contributions as Secretary-Treasurer. My experience in managing an annual budget of \$700,000 and as a retirement plan trustee at my office should be useful and I suspect that I will get plenty of support from the rest of the Executive Committee.

Nominee for Internal Director Molly A.H. Webb

I am an Assistant Professor of Research in the Department of Fisheries and Wildlife at Oregon State University. My area of expertise is reproductive physiology and endocrinology. I have been working with sturgeon for over a decade examining the effects of temperature on ovarian follicle development and spawning performance, hormonal control of oocyte maturation, and more recently, the effects of environmental contaminants on reproductive function. I am also working to develop a less-invasive means by which to determine the sex and stage of maturity of sturgeon which are not sexually dimorphic.

I have been a member of the Oregon Chapter of the AFS since beginning my job at Oregon State University in February, 2000. The 2002 annual meeting in Sunriver was the first meeting I was able to attend, and I left the meeting with new facts, ideas, and professional contacts. At this year's annual meeting, I will be convening the session "The Other Anadromous Fish, Part 2: Sturgeon". The Oregon Chapter of the AFS provides an amazing opportunity for students and

professionals alike to share knowledge, opportunities, and experiences. I would very much like to contribute more to the Oregon Chapter of the AFS through the position of Internal Director.

Nominee for External Director (Incumbent)

Jen Stone

External Director, Jen Stone, is not yet finished with whipping the committees into shape and has decided to give the Chapter another return engagement. She is a fishery biologist with the USFWS and works on the Habitat and Population Assessment Team. She is looking forward to round two!

Your Vote Counts!!!

Can't attend the Annual Meeting in Eugene?

Want to vote for the ExCom Candidates?

Print the "Vote by Proxy" form from the ORAFS website:
oregonstate.edu/groups/orafs

OSU STUDENTS WANT TO HELP GET THE JOB DONE!

The OSU Fish and Wildlife Club, a student sub-unit of ORAFS, has a membership of about 50 students, faculty, and affiliates who are eager to learn and are looking for hands-on experiences. If you need help with a project, want to educate students on an issue or current event, or just have a good idea for a hands-on learning activity, please contact student liaison Ali O'Connor (alio335@hotmail.com) or Faculty Advisor, Rebecca Goggans (rebecca.goggans@orst.edu). Whether you're looking for individuals or a larger group...we can help you out!

Most projects are confined to weekends due to the demands of the students' classes. Some examples of past fisheries related activities include Chinook brood stock collections, learning about bull trout research in the McKenzie basin, fly-fishing, and deep-sea fishing trips. Of course, we are always willing to try something new! Our group works hard, has fun, and loves to learn! The club is full of students who will be working in your professional field; getting these students involved now will improve fish and wildlife resources in the future!

Students (and job-seekers)...plan to attend the Student-Mentor Social a.k.a "Match the Hatch," at the Annual Meeting, Wednesday, February 26, from 6-7pm. More "mentors" are still needed to meet with the students and talk about your work, insights into agencies, or personal tips on landing a job. It's easy, it's fun, it's a good thing. Contact Steve Smith, Internal Director, to sign up! 503-263-1253; huntersmith@canby.com.

YOU OUGHT TO BE IN PICTURES! ORAFS DEBUTS POSTER DISPLAY

An informational poster was developed for the Oregon Chapter of the American Fisheries Society this year. It consists of two panels that outline the mission, activities, and accomplishments of the Chapter. The poster debuted at the Northwest Fish Culture Conference this past December. It is intended for display at various fisheries symposiums, conferences, and other professional events to promote interest in the Chapter. The poster is designed to be easily modified and updated to keep it current, and was designed and produced by Donna Allard, biologist with the U.S. Fish and Wildlife Service. Donna is an active member of the Education and Outreach Committee, which is chaired by Henry Booke. We will be posting the poster on the website soon, you may preview it at oregonstate.edu/groups/orafs.

Submitted by Jen Stone, External Director

SUSCRIBE TODAY TO THE OREGON CHAPTER LISTSERVE

Sign up today on Oregon Chapter's listserv to receive occasional announcements about Chapter activities, legislative updates, electronic email announcements, and other news and events! You can also post Chapter-related announcements, by contacting our webmaster, Anne Fiala, fialaa@fsl.orst.edu.

It's FREE and you can unsubscribe at anytime!

To **SUBSCRIBE** to the list send an email to:

join-orafs@lists.orst.edu

Leave the subject header blank

You will be sent a confirmation message

To **UNSUBSCRIBE** send an email to

off-orafs@lists.orst.edu

Questions? Contact web master Anne Fiala:
fialaa@fsl.orst.edu; 541-737-8475

OREGON CHAPTER WELCOMES LEGISLATIVE INTERN

The Oregon Chapter extends a warm welcome to Jess Jordan, the Oregon Chapter's new legislative intern! Jess will help guide Oregon AFS through the 2003 legislative session. He is a student at Oregon State University in the Department of Fisheries and Wildlife, with a range of valuable work experience and an interest in the political process.

This is a new endeavor for both AFS and Jess, and we are both learning. I am expecting it will be an evolving process as we see how the legislative session goes, the issues that come up, and the time commitments involved. It should be a positive experience for both AFS and Jess. We will have an ear to the legislature and Jess will gain experience that should help with career decisions.

During the next month or so, Jess will learn about AFS and natural resources in the legislature through our Chapter web site and other electronic sources. Legislative Committee members are also going to introduce Jess to people who have been active in the process in the past—Jim Hall with Liz Frenkel, Hiram Li with Jim Myron, Mary Buckman with Kelley Wirth. It is difficult to set up large meetings, so we are setting up small, three-person meetings with other committee members attending as possible. Jess will provide regular reports to the ExCom on legislative activity, and also help the Oregon Chapter be active in the legislative process. Jess can be contacted at batfestivus@hotmail.com. Welcome to Oregon AFS Jess!

Submitted by Mary Buckman, President

New Email Address for Chapter Business

**If you haven't done so already,
please update your email directory
with our Contract Administrative
Assistant, Loretta
Brenner's, new email address:
LBrenner@attbi.com**

EVENTS CALENDAR

FEBRUARY 19, 2003

FRESHWATER MUSSELS OF THE PACIFIC NORTHWEST WORKSHOP

*Water Resources Center,
Vancouver, WA*

Contact: Jen Stone, 360-696-7605 or jen_stone@fws.gov

FEBRUARY 25-26, 2003

OREGON AFS PRE-ANNUAL MEETING WORKSHOP

“Improve Your Fishery Photography”

An Interactive Workshop for Fisheries

Professionals - Continuing Education Credits will be available for those who attend the entire workshop.

*Hilton Eugene & Conference Center,
Eugene, Oregon*

Website: oregonstate.edu/groups/orafs/premeet03.pdf.

Registration: LBrenner@attbi.com

Workshop Info: rgrost@richardgrost.com

FEBRUARY 26-28, 2003

OREGON CHAPTER AFS 39TH ANNUAL MEETING

“Fisheries Science in Management Decisions: How is it Used?”

*Hilton Eugene & Conference Center,
Eugene, Oregon*

Early Registration Deadline: February 5th

Meeting Info: Dave Ward, 503-657-2000

Ext 402, david.l.ward@state.or.us

Website: osu.orst.edu/groups/orafs

Registration: LBrenner@attbi.com

Eugene Hilton Room Reservations:

1-800-937-6660

JUNE 10-13, 2003

SPEAKING FOR THE SALMON WORKSHOP-THE WORLD SUMMIT ON SALMON

Vancouver, BC, Canada

Contact: <http://www.sfu.ca/cstudies/science/salmon.htm>

Telephone 604-291-4893

Fax 604-291-3851

Email penikett@sfu.ca

AUGUST 10-14, 2003

NATIONAL AFS 2003

AFS 133RD ANNUAL MEETING

“Worldwide Decline of Wild Fish Populations”

Quebec City, Quebec, Canada.

Contact: Stephanie LaChance

AFS 2003 – General chair

Phone: 418-521-3955 ext. 4463

Fax: 418-646-6468

**Workshop
Freshwater Mussels of the
Pacific Northwest**

February 19, 2003

**Water Resources Center,
Vancouver, WA**

For More Information

**contact: Jen Stone,
360-696-7605 or
jen_stone@fws.gov**

**“Propagated Fish in
Resource Management”
*A special symposium of the
American Fisheries Society***

**June 16-18, 2003
Doubletree Riverside
Hotel, Boise ID**

**For More Information:
<http://www-heb.pac.dfo-mpo.gc.ca/congress/pfirm/>**

Oregon Chapter American Fisheries Society
39th Annual Meeting
February 26-28; Hilton Eugene &
Conference Center

“Fisheries Science in Management
Decisions:
How Is It Used?”

2003 ANNUAL MEETING AGENDA

For the complete program, abstracts, and the “program at
a glance”, visit the ORAFS website at:
oregonstate.edu/groups/orafs

Tuesday & Wednesday
February 25 & 26

Pre-meeting Workshop:

“*Improve Your Fishery Photography*”

Tuesday 1:00 pm – 5:00 pm & Wednesday 8:00 am –
12 Noon (BLOCH)

Wednesday February 26

7:00am-11:00pm	Presentation Preview and Prac- tice Room
10:00am-12noon	Welcome – Complimentary Coffee and Tea (LOBBY)
10:00am-5:30pm	Registration Desk and Sales (LOBBY)
10:00am-6:30pm	Poster Session Setup (WILDER)
1:00-3:00pm	Plenary Session (O’NEILL/WILLIAMS)
3:00-3:15pm	Refreshment Break (CONFERENCE LOBBY)
3:15-5:15pm	Concurrent Sessions 1, 2, 3, & 4
6:00-7:00pm	Student-Mentor Social – “ <i>Match the Hatch</i> ” (WILLIAMS)
7:00-11:00pm	Poster Session and Social (WILDER / HELLMAN)

Wednesday February 26

Opening Remarks & Welcome

1:00-1:15 Mary Buckman, President,
Oregon Chapter AFS
Dave Ward, President-elect &
Program Chair, Oregon Chapter AFS

Plenary Speakers

1:15-1:50 “*Science Under the Microscope...the Role
of Science in Public Policy Decision-
Making*”
Anne Badgley, Region 1 Director,
U.S. Fish and Wildlife Service

1:50-2:20 “*The Role of Science in the Policy
Process: Does Sound Science Lead to
Sound Policy?*”
Rod Sando, Executive Director, Columbia
Basin Fish and Wildlife Authority

2:25-2:55 “*Salmon Science, Policy, and History*”
Michael Blumm, Law Professor,
Lewis and Clark College, Author of
Sacrificing the Salmon

Student Presenters: **Underlined And Bold**;

“*” Indicates Presenter

SESSION 1: Fisheries Science in the Public Arena;
Convener: Tony Faast, U.S. Fish and Wildlife Service
(EUGENE O’NEILL)

3:15-5:15
PANEL DISCUSSION: A facilitated round-table
discussion involving audience and panelists. The
Convener will moderate/facilitate questions, responses,
and observations focused on “the use of fisheries
science in the public arena”.

Sue Dicile, Collaboration Specialist, Management Resources

Bill Monroe, Newspaper Columnist, The Oregonian

Cleve Steward, Scientist, Sustainable Fisheries Foundation

Joan Jewett, Spokesperson, U.S. Fish and Wildlife Service

*Rod Sando, Executive Director, Columbia Basin Fish &
Wildlife Authority*

Valentina Fomenko, Oregon State University

Wednesday February 26 (cont'd)

SESSION 2: Fisheries Science and the Law

Convener: Rob Lothrop, Columbia River Inter-Tribal Fish Commission (TENNESSEE WILLIAMS)

- 3:15 Session Overview
- 3:20 “Best available”: the use of science as a legal standard in agency decision making;
Julie Carter, Columbia River Inter-Tribal Fish Commission
- 3:40 Judicial review of politicized agency decision-making: reforms to the deference doctrine;
Mary Wood, University of Oregon
- 4:00 Attributes of a rationale decision: doing the right thing rightly, and avoiding overconfidence, wishful thinking, deeper holes, GroupThink, and other traps;
Gretchen Oosterhout, Decision Matrix, Inc.
- 4:20 Fisheries science in FERC relicensing: experiences of the Nez Perce Tribe;
Rick Eichstaedt, Nez Perce Tribe
- 4:40 Panel Discussion

SESSION 3: Contributed Papers on Resident Trout; Convener: Neil Ward, Columbia Basin Fish and Wildlife Authority (LILLIAN HELLMAN)

- 3:15 Session Overview
- 3:20 Unique population dynamics of bull trout: simulation of an adfluvial population in the Columbia Basin;
Steve Cramer, S.P. Cramer & Associates, Inc.
- 3:35 The status of restoration efforts for bull trout populations in the upper Willamette Basin, Oregon;
Jeffrey Ziller and Kelly Reis, Oregon Department of Fish and Wildlife; Doug Larson and David Bickford, U.S. Forest Service; and Doug Garletts and Greg Taylor, U.S. Army Corps of Engineers*
- 3:50 Factors affecting the distribution of bull trout in Sun Creek, Crater Lake National Park, Oregon;
Dirk Renner*, *Department of Fisheries and Wildlife, Oregon State University; and Robert Gresswell and Gary Larson, U.S. Geological Survey*
- 4:05 What good is wood?
Michelle Steg and Craig Bienz, The Nature Conservancy*
- 4:20 Temperature response, seasonal movement, and restoration effects of an isolated bull trout population in southern Oregon;
Michelle Steg and Craig Bienz, The Nature Conservancy*

4:35 Alternative sampling methods to electrofishing: comparison of minnow traps and night snorkeling to assess juvenile bull trout and cutthroat trout populations in two small western Oregon streams;
Doug Larson, U.S. Forest Service

4:50 Parr marks, caudal bones and Lahontan trout;
Douglas Markle, Oregon State University

SESSION 4: Contributed Papers Convener: Ray Beamesderfer, S.P. Cramer and Associates, Inc. (ERNEST BLOCH)

- 3:15 Session Overview
- 3:20 Hood River carrying capacity and fisheries management expectations;
Keith Underwood, S.P. Cramer & Associates, Inc.
- 3:35 Pattern detection in linear networks: quantifying spatial variability in fish distribution;
Christian Torgersen and Robert Gresswell, U.S. Geological Survey; and Douglas Bateman, Oregon State University*
- 3:50 Evaluating single-pass removal estimates for detecting spatial patterns in fish distribution;
Douglas Bateman, Oregon State University; and Robert Gresswell and Christian Torgersen, U.S. Geological Survey*
- 4:05 Calibrating fall chinook salmon spawning ground surveys to mark-recapture estimates of abundance;
Hal Weeks, Oregon Department of Fish and Wildlife; and Jody White, Alaska Department of Fish and Game*
- 4:20 Determining chinook salmon distribution and residence time using radio telemetry;
Brian Riggers, Oregon Department of Fish and Wildlife
- 4:35 Characterizing the health of urban watersheds;
Chris Prescott, City of Portland
- 4:50 Age determination and electron microprobe analysis of strontium levels in otoliths from least cisco in Arctic Alaska;
John Siegle* and *Jesse Ford, Oregon State University*
- 5:05 Modeling associations between water quality and daily growth of juvenile Lost River and shortnose suckers from Upper Klamath Lake, Oregon;
Mark Terwilliger and Douglas Markle, Oregon State University; and Jacob Kann, Aquatic Ecosystems Sciences, LLC*

For an Agenda of Wednesday Evening Events, Please See Page 14

Thursday

February 27

- 6:45am Spawning Run – *5K Run & Prizes, All Invited*
(CONFERENCE LOBBY)
- 7:30-8:30am Early Morning Coffee / Tea
(CONFERENCE LOBBY)
- 7:00am-5:30pm Registration Desk & Sales
(CONFERENCE LOBBY)
- 7:00am-11:00pm Presentation Preview & Practice Room (DIRECTOR'S)
- 8:00-11:50am Concurrent Sessions 5, 6, 7, 8, 9
- 9:50-10:10am Refreshment Breaks
(CONFERENCE LOBBY)
- 12:00noon-1:15pm Lunch & Chapter Business Meeting – *All Registrants Invited*
(WILLIAMS / HELLMAN)
- 1:30-5:30pm Concurrent Sessions 10, 11, 12, & 13
- 3:15-3:30pm Refreshment Breaks
(CONFERENCE LOBBY)
- 5:30-6:30pm Social Hour
(WILLIAMS/HELLMAN)
- 5:30-7:30pm Preview Silent Auction
(WILLIAMS/HELLMAN)
- 6:30-7:30pm Banquet & Awards –*Fee*
(WILLIAMS/HELLMAN)
- 7:30-9:00pm Raffle & Auction – *All Invited*
(WILLIAMS/HELLMAN)
- 9:00pm-12midnight Dance to “Etoufee” –
All Invited
(WILLIAMS/HELLMAN)

SESSION 5: The Other Anadromous Fish

Part 1: Lamprey; Convener: Jen Stone, U.S. Fish and Wildlife Service (ERNEST BLOCH)

- 8:00 Session Overview
- 8:10 An introduction to Oregon lampreys;
Kathryn Kostow
- 8:30 Status of Pacific lamprey, river lamprey, and western brook lamprey in western North America;
Richard Nawa, Siskiyou Regional Education Project; Joseph Vaile, Klamath-Siskiyou Wildlands Center; and Jeff Miller, Center for Biological Diversity*

- 8:50 Reintroduction of Pacific lamprey in the Umatilla River, Oregon: a case study;
David Close, Kimmo Aronsuu, and Aaron Jackson, Confederated Tribes of the Umatilla Indian Reservation*
- 9:10 Status, distribution, and habitat utilization of Pacific lamprey in the Clearwater River drainage, Idaho;
Tim Cochnauer and Christopher Claire, Idaho Department of Fish and Game*
- 9:30 Adult Pacific lamprey congregation areas and movements at Willamette Falls, Oregon – Fall 2001 to Spring 2002;
D. J. Domina, Portland General Electric; and B. N. Hanson and D. Mathur, Normandeau Associates*

9:50 – 10:10 BREAK

- 10:10 Pacific lamprey swimming performance and behavior in a test ladder at Bonneville Dam;
William Daigle, Chris Peery, and Steve Lee, University of Idaho; and Mary Moser, NOAA Fisheries*
- 10:30 Evaluation of a bypass structure to aid adult Pacific lamprey passage at Bonneville Dam;
Mary Moser, NOAA Fisheries; and Darren Ogden, Pacific States Marine Fisheries Commission*
- 10:50 Impacts of juvenile bypass screens on migrating juvenile Pacific lamprey;
Russell Moursund, Pacific Northwest National Laboratory
- 11:10 Special Panel Discussion: Protocols for Sampling Juvenile Lamprey
- 12Noon Thursday Lunch & Business Meeting
(*All Registrants Invited*)

SESSION 6: Fisheries Science in Bull Trout Recovery: Monitoring & Assessment Tools;

Conveners: Mary Hanson, Oregon Department of Fish and Wildlife, and Tim Whitesel, U.S. Fish and Wildlife Service (JOHN SOUSA)

- 8:00 Session Overview
- 8:10 Bull trout recovery and the need for monitoring and evaluation;
Tim Cummings and Paul Wilson, U.S. Fish and Wildlife Service*
- 8:30 Is there an elephant in your living room? Ignoring detectability biases results and may lead to poor decisions;
Russ F. Thurow, James T. Peterson and John W. Guzevich, U.S. Forest Service*

Thursday February 27 (cont'd)

SESSION 6: (cont'd) Fisheries Science in Bull Trout

Recovery: Monitoring & Assessment Tools;

- 8:50 Is the use of index reaches an effective method of monitoring juvenile bull trout abundance and adult spawning? Preliminary results from two streams within the Confederated Tribes of Warm Springs Reservation, Oregon;
Rebekah Dodson and Chris Brun, Confederated Tribes of the Warm Springs Reservation*
- 9:10 Comparing methods of estimating the abundance of adult bull trout;
Al Hemmingsen, Oregon Department of Fish and Wildlife; Phil Howell, U.S. Forest Service; and Paul Sankovich, Oregon Department of Fish and Wildlife*
- 9:30 Bridging the information gap, from juvenile-to-adult; New concepts in passive monitoring;*J. Vincent Tranquilli*, Mark G. Wade, and Chad K. Helms, Oregon Department of Fish and Wildlife*

9:50 – 10:10

BREAK

- 10:10 Assessing bull trout population abundance and trend using a double mark/recapture/resight technique in combination with passive PIT tag antennas in the South Fork of the Walla Walla River;
Robert Al-Chokhachy and Phaedra Budy, Utah State University*
- 10:30 Monitoring of Bull Trout Populations in the Columbia Plateau Province Using the EMAP Protocol;
Stephanie Gunckel, Al Hemmingsen, Bruce McIntosh, and Paul Sankovich, Oregon Department of Fish and Wildlife*
- 10:50 Using the bull trout's view of the landscape for monitoring and evaluation;
Jason Dunham and Bruce Rieman, US Forest Service*
- 11:10 Bull trout recovery and the challenges associated with monitoring and evaluation;
Howard Schaller, U.S. Fish and Wildlife Service
- 11:30 Panel Discussion and Wrap-up
- 12Noon Thursday Lunch & Business Meeting
(All Registrants Invited)

SESSION 7: Ecology and Restoration of Riparian and Stream Systems; Convener: Hiram Li, Oregon State University (EUGENE O'NEILL)

- 8:00 Session Overview
- 8:10 The riverscape: a strategic perspective of stream and riparian restoration;
Hiram Li, Oregon State University
- 8:30 River history and river restoration: taking the long view;
Patricia McDowell, University of Oregon
- 8:50 Restoring the linkages between riparian vegetation and streams;
Boone Kauffman, Oregon State University
- 9:10 Factors affecting stream temperatures in rangeland ecosystems;
Robert Beschta, Professor Emeritus, Oregon State University
- 9:30 Linking streams and the land;
Judith Li and Hiram Li, Oregon State University; and Sherri Johnson, U.S. Forest Service*

9:50 – 10:10

BREAK

- 10:10 Terrestrial and marine sources of nutrients to streams in the Oregon Coast Range;
J.E. Compton, M.R. Church, and S.T. Larned, U.S. Environmental Protection Agency*
- 10:30 Response of fish to grazing enclosures: have we been successful in restoring habitat?
Peter Bayley and Hiram Li, Oregon State University*
- 10:50 Mammals: key components of riparian zones;
Dan Edge, Oregon State University
- 11:10 The function and value of floodplain wetlands to wetland birds;
Bruce Dugger, Oregon State University
- 11:30 Birds, cows, fish, and flows: key concerns in riparian restoration;
Patricia Kennedy and Andrea Lueders, Eastern Oregon Agricultural Research Center; and Susan Skagen and Michael Scott, U.S. Geological Survey*
- 11:50 Wrap-up
- 12Noon Thursday Lunch & Business Meeting
(All Registrants Invited)

Thursday February 27 (cont'd)

SESSION 8: Monitoring and Evaluation in the Columbia River Basin: Using Locally Derived Data for Regional Decision Making; Convener: Tom Iverson, Columbia Basin Fish and Wildlife Authority (SCOTT JOPLIN)

- 8:00 Session Overview
- 8:05 A minimum data sharing approach for regional scale fish management;
Bruce Schmidt, StreamNet Program
- 8:20 Does adaptive management require a paradigm shift from research to monitoring as we move scientific theory from specific and theoretical questions to broad and applied management?
Gregg Servheen, Idaho Department of Fish and Game
- 8:35 How healthy are healthy stocks? A case study of Middle Fork John Day Steelhead;
Peter Bahls, Northwest Watershed Institute
- 8:50 Meeting tributary-habitat action effectiveness: research, monitoring, and evaluation requirements of the NMFS Biological Opinion on the Federal Columbia River Power System;
Jim Geiselman and Chris Jordan, Bonneville Power Administration*
- 9:05 Monitoring and evaluating environmental effects of habitat actions;
Tracy Hillman and Charles Paulsen, BioAnalysts*
- 9:20 Monitoring and evaluating biological effects of habitat actions;
Charles Paulsen and Tracy Hillman, BioAnalysts*
- 9:35 Challenges and opportunities in testing the effectiveness of habitat restoration actions;
David Marmorek, ESSA Technologies

9:50 – 10:10 BREAK

SESSION 9: Hydroproject Decommissioning – the Bull Run Case Study; Convener: Doug Young, U.S. Fish and Wildlife Service (SCOTT JOPLIN)

- 10:10 Session Overview
- 10:15 Portland General Electric's surrender of the Sandy River Hydro complex: the story behind the story;
Doug Cramer, Portland General Electric

- 10:30 Hydroproject relicensing and decommissioning in the Pacific Northwest: opportunities for collaboration;
Keith Kirkendall, NOAA Fisheries
- 10:45 Fish management and Marmot Dam decommissioning: balancing watershed health with public expectations;
Jim Muck, Oregon Department of Fish and Wildlife
- 11:00 Evaluating sediment removal options and monitoring channel/habitat changes for the decommissioning of Marmot Dam on the Sandy River, OR;
Yantao Cui and Christian Braudrick, Stillwater Sciences; Janine Castro, U.S. Fish and Wildlife Service; and Brian Cluer, NOAA Fisheries*
- 11:15 Minimizing project impacts to ESA species: interest-based negotiations to get to yes;
Douglas Young and Ann Gray, U.S. Fish and Wildlife Service*
- 11:30 Panel Discussion

12Noon Thursday Lunch & Business Meeting (All Registrants Invited)

SESSION 10: The Other Anadromous Fish Part 2: Sturgeon; Convener: Molly Webb, Oregon State University (ERNEST BLOCH)

- 1:30 Session Overview
- 1:35 Management ramifications of biased age estimates for Kootenai white sturgeon;
Ray Beamesderfer, S.P. Cramer & Associates, Inc, and Vaughn Paragamian, Idaho Department of Fish and Game*
- 1:55 Observed and estimated growth rates in white sturgeon and implications for harvest management;
Chris Kern, Tom Rien, and Michele Hughes, Oregon Department of Fish and Wildlife; and Brad James, Washington Department of Fish and Wildlife*
- 2:15 White sturgeon management and the role of the Columbia River Inter-tribes;
Kevin Kappenman and Blaine Parker, Columbia River Inter-Tribal Fish Commission; and Tom Rien, Oregon Department of Fish and Wildlife*

Thursday February 27 (cont'd)

SESSION 10: (cont'd) The Other Anadromous Fish Part 2: Sturgeon;

- 2:35 The oversize catch-and-release sport fishery for white sturgeon below Bonneville Dam: what we know and don't know;
Molly Webb, Carisska Anthony, Grant Feist, and Carl Schreck, Oregon State University; Brad Cady, Brad James, and Mike Wall; Washington Department of Fish and Wildlife; and Tom Rien, Oregon Department of Fish and Wildlife*
- 2:55 How contaminant data may be used in management decisions;
Gene Foster and M.S. Fitzpatrick, Oregon Department of Environmental Quality; M.A.H. Webb, G. Feist, and C.B. Schreck, Oregon State University; and D.T. Gundersen, and J. Paar, Pacific University*

3:15 – 3:30

BREAK

- 3:30 Green sturgeon population characteristics and harvest trends;
Tom Rien, Ruth Farr, and Russell Stauff, Oregon Department of Fish and Wildlife*
- 3:50 Oceanic distribution and behavior of green sturgeon off the Oregon and Washington coasts;
Dan Erickson, Wildlife Conservation Society; and Joseph E. Hightower, North Carolina State University*
- 4:10 Assessing the status of green sturgeon: no data, no listing;
Selina Heppell and Lina Hofmann, Oregon State University*
- 4:30 The impacts of viral diseases on sturgeon conservation propagation programs;
Ron Hedrick, University of California, Davis.

*For an Agenda of Thursday Evening Events,
Please See Page 16*

SESSION 11: Estuarine Habitats and Salmon; Convener: Dan Bottom, National Marine Fisheries Service, and Charles Simenstad, University of Washington (JOHN SOUSA)

- 1:30 Session Overview
- 1:35 What's new about salmon and estuaries?
Dan Bottom, NOAA Fisheries; and Charles Simenstad, University of Washington*

- 1:55 Juvenile salmon responses to restoring marshes in Salmon River Estuary;
Trevan Cornwell and Kim Jones, Oregon Department of Fish and Wildlife; and Dan Bottom, NOAA Fisheries*
- 2:15 How a bioenergetic model helps assess restoration success at the Salmon River Estuary;
Ayesha Gray and Charles Simenstad, University of Washington; and Dan Bottom, NOAA Fisheries*
- 2:35 Migration and residency of juvenile chinook salmon in the Salmon River estuary;
Kim Jones and Trevan Cornwell, Oregon Department of Fish and Wildlife*
- 2:55 Life-history based habitat use by sea-run cutthroat trout in the Salmon River estuary;
Lisa Krentz, Oregon State University; and Trevan Cornwell and Kim Jones, Oregon Department of Fish and Wildlife*

3:15 – 3:30

BREAK

- 3:30 Migration patterns of juvenile chinook and coho salmon and all ages of shiner perch in a salt marsh complex in the Siletz River Estuary;
Stan van de Wetering and Ryan French*, Confederated Tribes of the Siletz Indians*
- 3:50 Use of complex woody habitats by juvenile chinook salmon in the Siletz River Estuary;
Stan van de Wetering and Ryan French*, Confederated Tribes of the Siletz Indians*
- 4:10 Characterizing historic habitat change in the Columbia River Estuary 1880s to 2001;
Jennifer Burke, Dan Bottom, and Edmundo Casillas, NOAA Fisheries; Kim Jones, Oregon Department of Fish and Wildlife; and Charles Simenstad, University of Washington*
- 4:30 A pre-restoration baseline of salmonid life history in the Chinook River Estuary, Washington;
Robert Warren and Garth Gale, Sea Resources*
- 4:50 Movement patterns of juvenile salmonids in the lower Columbia River Estuary: results from radio telemetry;
David Jepsen, Carl Schreck, Shaun Clements, and Mark Karnowski, Oregon State University*
- 5:10 Does size matter: a comparison of the behavior of juvenile salmonids in a large and small estuary;
Shaun Clements, Carl Schreck, Mark Karnowski, and David Jepsen, Oregon State University*

*For an Agenda of Thursday Evening Events,
Please See Page 16*

Thursday February 27 (cont'd)

SESSION 12: Fisheries Science and Management of the Willamette River

Convener: Chuck Willis, U.S. Army Corps of Engineers (EUGENE O'NEILL)

- 1:30 Session Overview
- 1:35 Evaluation of the Willamette Basin hatchery mitigation program;
Lance Kruzic, NOAA Fisheries
- 1:55 The Willamette project Endangered Species Act consultation on the operation of 13 multipurpose reservoirs and bank protection program in the Willamette Basin;
Mindy Simmons and Lynne Krasnow, NOAA Fisheries; and Chris Allen, U.S. Fish and Wildlife Service*
- 2:15 Flow management in the Willamette River Basin;
Chuck Willis, U.S. Army Corps of Engineers
- 2:35 Water temperature control at U.S. Army Corps of Engineers reservoirs in the Willamette Valley, Oregon;
Greg Taylor, U.S. Army Corps of Engineers
- 2:55 Freshwater conservation planning for the Willamette River Basin: using a hierarchical aquatic ecosystem classification;
Mark Bryner, Tracy Horsman, and Catherine Macdonald, The Nature Conservancy*
- 3:15 – 3:30 BREAK**
- 3:30 Rearing and migration of juvenile McKenzie River spring chinook salmon;
Ken Kenaston, Kirk Schroeder, and Bob Lindsay, Oregon Department of Fish and Wildlife*
- 3:50 Is aggregate mining in the Willamette floodplains a good thing?
Peter Bayley, Oregon State University; and Cyndi Baker, Ducks Unlimited*
- 4:10 Fishes of the lower Willamette River;
John Vile and Tom Friesen, Oregon Department of Fish and Wildlife*
- 4:30 Building a science-based response to watershed and salmonid recovery in an urban area: the City of Portland's story;
Mike Reed, City of Portland
- 4:50 Assessment of coho habitat in an urban stream using species-habitat analysis;
Willis McConnaha, Moberand Biometrics; and J. Alan Yeakly, Portland State University*

SESSION 13: Contributed Papers

Convener: Mike Gray, Oregon Department of Fish and Wildlife (SCOTT JOPLIN)

- 1:30 A tale of two streams: re-creating meandering streams on the central Oregon Coast Range;
Paul N. Burns and Johan B. Hogervorst, Siuslaw National Forest*
- 1:45 The relationship between in-channel sediment storage, pool depth, and summer survival of juvenile salmonids in the Oregon Coast Range;
Christine L. May, U.S. Forest Service
- 2:00 Potential physiological effects to migrating salmonids from jet boat activity in the lower wild and scenic Rogue River, Oregon;
Ian Reid, Rogue River and Siskiyou National Forests
- 2:15 Expanding coho salmon anchor habitat analysis to the basin scale: a case study in the Siuslaw Basin;
Charley Dewberry, Ecotrust
- 2:30 Closing the loop: environmental variability throughout the life-cycle of Oregon coastal natural coho salmon;
P.W. Lawson and E.A. Logerwell, NOAA Fisheries; and N.J. Mantua, R.C. Francis, and V.N. Agostini, University of Washington*
- 2:45 An integrated watershed approach linking salmonid productivity to freshwater habitat;
J.L. Ebersole, J.P. Baker, P.J. Wigington, M.A. Cairns, J.E. Compton, M.R. Church, D. White, and S.G. Leibowitz, U.S. Environmental Protection Agency; H.A. Lavigne, Dynamac, Inc.; B. Miller, Oregon Department of Fish and Wildlife; and B. Hansen, U.S. Forest Service*
- 3:00 Movements of coastal cutthroat trout in the lower Columbia River: tributary, main-stem and estuary use;
Joseph Zydlewski, U.S. Fish and Wildlife Service; Shaun Clements, Mark Karnowski, and Carl Schreck, Oregon State University; and Robert Warren, Sea Resources Watershed Learning Center*
- 3:15 – 3:30 BREAK**
- 3:30 Geomorphic and anthropogenic effects on coastal cutthroat trout population structure: evidence from a headwater stream;
J.E.B. Wofford and Michael Banks, Oregon State University; and Robert Gresswell, U.S. Geological Survey*

*For an Agenda of Thursday Evening Events,
Please See Page 16*

Thursday February 27 (cont'd)

SESSION 13: (cont'd) Contributed Papers

- 3:45 Patterns of diversity in coastal cutthroat trout: molecular evidence for stream captures in Oregon? **Troy Guy*** and **Michael Banks**, Oregon State University; and **Robert Gresswell**, U.S. Geological Survey
- 4:00 The long and short of it...fish and invertebrate patterns on Thomas Creek, OR; **R.B. Langshaw*** and **J.L. Li**, Oregon State University
- 4:15 Seasonal distribution and habitat associations of juvenile spring chinook salmon in the Metolius River Basin, Oregon; **Jens Lovtang*** and **Hiram Li**, Oregon State University
- 4:30 Effects of wildfire and subsequent floods, debris torrents, and landslides on fish distribution and abundance in tributaries of North Fork John Day River; **Philip Howell**, U.S. Forest Service
- 4:45 Fish and macroinvertebrate responses to 1996 flood in tributaries of the Calapooia River; **R.J. Danehy***, and **M. Reiter**, Weyerhaeuser; and **L. Gunderson**, Oregon State University
- 5:00 Effects of low incubation flows on survival and distribution of juvenile spring chinook salmon in the Bumping River; **Nick Ackerman**, S.P. Cramer & Associates, Inc.

For an Agenda of Thursday Evening Events,
Please See Page 16

Friday February 28

- 7:00am-12 Noon Presentation Preview & Practice Room (DIRECTOR'S)
- 8:00am-12:30pm Registration Desk & Sales (CONFERENCE LOBBY)
- 8:00am-12:15pm Concurrent Sessions 14, 15, 16, 17, & 18
- 9:50-10:05am Refreshment Breaks (CONFERENCE LOBBY)

SESSION 14: Regional Scale Monitoring: Results From Oregon & The Western USA; Convener: Bob Hughes, Dynamac, Inc. (EUGENE O'NEILL)

- 8:00 Session Overview
- 8:10 ODFW's Oregon Plan monitoring: what have we learned and where are we going? **Bruce McIntosh***, **Steve Jacobs**, **Kim Jones**, **Jeff Rodgers**, and **Mario Solazzi**, Oregon Department of Fish and Wildlife; and **Kelly Moore**, Oregon Watershed Enhancement Board
- 8:30 Regional-scale monitoring of Oregon coastal coho spawners: what have we learned after 12 years? **Steve Jacobs*** and **Julie Firman**, Oregon Department of Fish and Wildlife
- 8:50 Trends in coho salmon smolt production and marine and freshwater survival of coho salmon at life-cycle monitoring sites on the Oregon coast; **Tim Dalton***, **Mario Solazzi**, **Steve Johnson**, and **Bruce Miller**, Oregon Department of Fish and Wildlife
- 9:10 Steelhead population monitoring in the Oregon coast ESU as part of the Oregon Plan for salmon and watersheds; **Gary Susac**, Oregon Department of Fish and Wildlife
- 9:30 Biological condition and stressor identification in western Oregon streams using macroinvertebrate and fish assemblages; **Rick Hafele***, **Dave Huff**, **Mike Mulvey**, and **Aaron Borisenko**, Oregon Department of Environmental Quality

9:50 – 10:05 BREAK

- 10:05 Level and extent of mercury contamination in Oregon lotic fish; **Alan Herlihy***, Oregon State University; **Spencer Peterson**, U.S. Environmental Protection Agency; and **Robert Hughes**, Dynamac, Inc.
- 10:25 Evaluation of variation in a large scale monitoring data set: do we really need all those indicators? **Chris Moyer**, U.S. Bureau of Land Management
- 10:45 PACFISH/INFISH Effectiveness Monitoring Program – analysis, products, and additional questions; **Rick Henderson***, **Eric Archer**, and **Brett Roper**, U.S. Forest Service
- 11:05 Determining least and most disturbed stream conditions in the western USA from survey data across a range of natural gradients; **Thom Whittier***, **Robert Hughes**, and **Gregg Lomnicky**, Dynamac, Inc

Friday

February 28 (cont'd)

SESSION 14: (cont'd) Regional Scale Monitoring:

11:25 Vertebrate assemblages at least and most disturbed stream and river sites in western USA forested mountain ecoregions;
Gregg Lomnicky, Thomas Whittier, and Robert Hughes, Dynamac, Inc.*

11:45 Wrap-up

SESSION 15: Geospatial Technology in Resource Management; Conveners: Sharon Clarke, Oregon State University, and Christian Torgersen, U.S. Geological Survey (JOHN SOUSA)

8:00 Session Overview

8:10 Creating an information system to support natural resource decision making;
Ken Bierly and Janine Salwasser, Oregon Watershed Enhancement Board*

8:30 Accuracy, precision, and scale in spatial data for natural resources management;
Aileen Buckley, University of Oregon

8:50 Spatial data in aquatic management – characterizing uncertainty;
Mindi Sheer, NOAA Fisheries; and Sharon Clarke, Oregon State University*

9:10 Field data and opinion based mapping in status review of Great Basin redband trout;
Rebecca Flitcroft, Oregon State University; and Jeffrey Dambacher, CSIRO Research*

9:30 Evaluating multi-resolution imagery sources abilities to map riparian vegetation;
Rick Jones, Space Imaging; and Kevin Birch, Oregon Department of Forestry*

9:50 – 10:05 BREAK

10:05 Resolution and accuracy in remote sensing and modeling of water temperature in rivers and streams;
Matthew Boyd, Oregon Department of Environmental Quality

10:25 How does land cover influence landslide density? Beware the perils of spatially heterogeneous data;
Daniel Miller, Earth Systems Institute

10:45 Landscape change: mapping historic and contemporary land cover along the Columbia River Estuary;
Ralph Garono, Earth Design Consultants; and Jennifer Burke, NOAA Fisheries*

11:05 Accuracy of GPS receivers for natural resources applications;
Ken Chamberlain, U.S. Forest Service

11:25 Wrap-up

SESSION 16: Contributed Papers

Convener: Tom Friesen, Oregon Department of Fish and Wildlife (SCOTT JOPLIN)

8:00 Session Overview

8:05 Stress-induced differential gene expression in the brains of juvenile steelhead trout;
Adam Schwindt, Jo-Ann Leong, Marta Alonso, and Carl Schreck, Oregon State University*

8:20 A new simple colorimetric assay to measure mitogenic response of leukocytes isolated from spleen and pronephros of chinook salmon;
Ichiro Misumi, Amarisa Marie, and Carl Schreck, Oregon State University; and Anthony Vella, University of Connecticut*

8:35 Environmental factors associated with localized abundance of the introduced threespine stickleback, and its associated tapeworm in the upper Deschutes Basin;
Wataru Koketsu, Oregon State University

8:50 Fish and 'phibs afield: wet-season use of intermittent streams in the Calapooia Basin Lowlands, Willamette Valley;
William Gerth, Judy Li, and Guillermo Giannico, Oregon State University; Kathryn Boyer, NRCS-Wildlife Habitat Management Institute; and Jeffrey Steiner and Steve Griffith, U.S. Department of Agriculture*

9:05 Floodplain wetland restoration and Pacific salmon;
Cyndi Baker, Ducks Unlimited, Inc.

9:20 Tributary-specific adult steelhead abundance: Imnaha River subbasin, Oregon,
Jay Hesse, Neal Espinosa, and Mike Blenden, Nez Perce Tribe; and Rishi Sharma, Columbia River Inter-Tribal Fish Commission*

9:35 Harbor seal predation on adult salmonids in the Alsea Estuary;
Bryan Wright, Robin Brown, Susan Riemer, and Aicha Ougzin, Oregon Department of Fish and Wildlife*

9:50 – 10:05 BREAK

Friday February 28 (cont'd)

SESSION 16: (cont'd) Contributed Papers

- 10:05 How do you keep score for population recovery?
Steve Cramer, S.P. Cramer & Associates, Inc.
- 10:20 Upper Cowlitz River salmon and steelhead reintroduction program;
Michael Kohn, Cowlitz Falls Project; and John Serl and Charles Morrill, Washington Department of Fish and Wildlife*
- 10:35 Fish passage restoration at Hemlock Dam on Trout Creek, Washington;
Ken Wieman, U.S. Forest Service
- 10:50 Diet of juvenile chinook salmon rearing in an urban lake;
Michele Koehler, South Slough Estuarine Research Reserve; and Charles Simenstad, Jeff Cordell, and Dave Beauchamp, University of Washington*
- 11:05 Are water quality criteria for toxic chemicals protective of salmonids and their foods in terms of sublethal effects?
Rick Cardwell, Angela Coyner, David DeForest, John Toll, and Jeff Wirtz, Parametrix, Inc*
- 11:20 An examination of aquatic risks posed by turbidity and suspended solids in U.S. Rivers;
Rick Cardwell and Joe Volosin, Parametrix, Inc.*
- 11:35 Toxins, toxins, who's got toxins? Sea-run vs resident whitefish of the western Alaskan Arctic;
Jesse Ford, Oregon State University; Susan Allen-Gil, Ithaca College; and Maasak Akpik, Joshua Nashagnik, and Joeb Woods*

SESSION 17: Approaches for Sustainable Groundfish Management; Convener: John DeVore, Pacific Fisheries Management Council (ERNEST BLOCH)

- 8:00 Session Overview
- 8:10 Multi-species perspective on the rebuilding of depleted west coast groundfish stocks;
Richard Methot, NOAA Fisheries
- 8:30 Changes in sablefish recruitment in response to oceanographic conditions;
Michael Schirripa, NOAA Fisheries
- 8:50 Application of ecosystem-based fishery management approaches in the Northern California Current;
John Field and Robert Francis, University of Washington*

- 9:10 Fish habitat studies at Heceta Bank on Oregon's outer continental shelf;
W. Waldo Wakefield, NOAA Fisheries
- 9:30 How and how not to manage the west coast groundfish fishery;
Ray Hilborn, Andre Punt, and Jason Cope, University of Washington*

9:50 – 10:05 BREAK

SESSION 18: Marine Field Studies

Conveners: Hal Weeks and Steve Parker, Oregon Department of Fish and Wildlife (ERNEST BLOCH)

- 10:05 Session Overview
- 10:10 Life in the rear view mirror: what happens behind an ROV?
Steve Parker, Oregon Department of Fish and Wildlife; and W. Waldo Wakefield, NOAA Fisheries
- 10:30 Assessing local black rockfish populations using PIT tags;
Polly Rankin, Steve Parker, Robert Hannah, and Don Bodenmiller, Oregon Department of Fish and Wildlife*
- 10:50 Evidence for limited larval dispersal in black rockfish: implications for population structure and marine reserve design;
Jessica Miller and A. L. Shanks, University of Oregon Institute of Marine Biology*
- 11:10 Characterization of sablefish bycatch patterns in the Pacific whiting fishery;
Brett Wiedoff, Pacific States Marine Fisheries Commission; and Steve Parker, Oregon Department of Fish and Wildlife
- 11:30 Tests of a selective flatfish trawl in the U.S. West Coast bottom trawl fishery;
Sarah Banta, Oregon State University; Robert Hannah, Steve Parker, and Keith Matteson, Oregon Department of Fish and Wildlife; and Steve Berkeley, Long Marine Lab*
- 11:50 Effects of excluder ring use in the U.S. West Coast commercial sablefish fishery;
Keith Matteson, Oregon Department of Fish and Wildlife

**12:15 PM FRIDAY, FEBRUARY 28
MEETING ADJOURNS**



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