



PISCES

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Western Division and Chapter Officers' Retreat: Excerpts from the Minutes

By Elise Holland, President

The Western Division Executive Committee (EXCOM), which consists of Division officers and all Chapter Presidents, met on October 30–31, 2000 in Sacramento, California. Chapters in attendance included: Alaska, North Pacific International, Washington, British Columbia, and Oregon, California-Nevada, Wyoming, Utah, Humboldt, and Idaho. Western Division officers Bill Bradshaw, Eric Knudsen, Ken Hashagen, Time and Place Coordinator Dave Lentz, and Grants Funding Committee Chair, Henry Boone, were also present.

The meeting provided an opportunity to network, exchange information between subunits, gain a better understanding of how the Western Division (WD) and Chapters can function together, and resulted in several action items. Planning for the second Division retreat next fall has already begun. Topics of discussion are described below. (Minutes were excerpted due to limited space.)

AFS, Division, and Chapter Governance

There was a general discussion of the Society's governing and guiding documents, which began by noting the importance of effective and improved leadership. AFS is requesting that all subunits provide their annual reports in the format of the Strategic Plan to facilitate tracking progress towards goals. The Strategic Plan can also serve to help identify needs or assess progress for Chapter officers. Ken Hashagen will be spearheading the development of a WD Strategic Plan with help from Bill Bradshaw, Eric Knudsen, and Dirk Miller.

Putting the Division's Money to Work

There was a discussion about a proposal to develop a long term funding mechanism for the WD grants program. Between \$10,000 to \$12,000 has been distributed to various Division subunits over the last several years. The basic idea is to use \$30,000 the WD now has in low interest deposits to start an investment fund that would sustain the grants program at the current \$10,000 per year level without depending on annual income. Ideally the \$30,000 investment by the WD would attract additional donations from corporations, foundations, subunits, etc. An ad hoc Grants Funding Committee was formed to explore possibilities and develop a proposal for presentation and decision at the next annual business

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California-Nevada Chapter Seeks Bylaws and Nominations Chair and Newsletter Editor

Cal-Neva is still searching for someone to replace Joe Miyamoto as Bylaws and Nominations Chair. Anyone interested in this post should contact Elise Holland at Elise.Holland@tpl.org.

Cal-Neva has begun the search for an Editor for *Pisces*! After four years of dedicated service, Lauren Buffaloe is looking for a respite from some of her duties. Lauren will continue to mastermind the production and quarterly distribution of *Pisces*, however, we will need an Editor to solicit the content. If you are interested, or know of someone who may be, please contact Elise Holland or Larry Brown at Elise.Holland@tpl.org or lrbrown@usgs.gov.

Nominees Sought for NMFS Technical Recovery Teams

Mike Meinz, Larry Brown, and Ted Frink have volunteered to review nominees for two National Marine Fisheries Service (NMFS) Technical Recovery Teams to develop delisting criteria for listed salmonids in the Southern Oregon and Northern California Coast and North-Central California Coast recovery domains. This process precedes the formal recovery planning for Pacific salmon and steelhead evolutionarily significant units listed as threatened or endangered species under the Endangered Species Act in the north-central California and southern Oregon coastal areas. NMFS is currently soliciting nominees. If you are interested in being considered, please contact Peter Adams at the Southwest Fisheries Science Center (415) 435-3149, extension 232, Greg Bryant with the Southwest Regional Field Office in Arcata (707) 825-5162, or Miles Croom at the Southwest Regional Field Office in Santa Rosa (707) 575-6068.

California-Nevada Chapter Seeks Award Nominees

One of the highlights of the California-Nevada Chapter's Annual Meeting is the presentation of awards to deserving individuals for their professional excellence and fisheries conservation efforts. Your Chapter Awards Committee is currently seeking nominees for awards to be presented at the 2001 Annual Meeting. Four categories of awards are presented by the Chapter:

1. **Distinguished Professional Achievement** – recognizing chapter members for professional excellence in research, management, education, publication, or outstanding contributions to the profession or fisheries conservation.
2. **Special Contribution** – recognizing members and others for outstanding service to the Chapter.
3. **Conservation Achievement** – recognizing non-member individuals or groups for outstanding contributions or service to fisheries conservation.
4. **Award of Excellence** – recognizing a Chapter and Parent Society member for exemplary depth and breadth of professional achievement, combined with significant publication and/or conservation activities, and participation in Chapter activities. Nominees for this award should have achieved statewide recognition as a major authority or guiding force in California and/or Nevada fisheries management and science.

The Awards Committee is requesting the help of Chapter members in the task of identifying award nominees. Suggestions for award nominees should be conveyed to the Awards Committee Chair, Pat Coulston, as soon as possible. Pat can be reached by phone at (209) 942-6100, or by e-mail at pcoulsto@delta.dfg.ca.gov.

California-Nevada Chapter Seeks Nominations for President and Treasurer

The search is on for Chapter members interested in serving as President and Treasurer. If you are interested in becoming involved in Chapter activities in either capacity, please contact Interim Nominations Chair, Fred Feyrer (916-227-2552 or ffeyrer@water.ca.gov) or any other EXCOMM member.

T-Shirt Sales

By Sharon Shiba



Paul Meinz, Mike Meinz, and Rebecca Hager grin and share it—information about Cal-Neva, fisheries, and great merchandise, that is— at the Cal-Neva booth.

We Have Hats!

The Cal-Neva Chapter baseball caps from last year's Annual Meeting are back by popular demand. They are available for \$15.00 each. Such a deal! If you'd like to purchase one (or more), please contact me by phone (916) 358-2870, fax (916) 358-2857, or e-mail sshiba@dfg.ca.gov. Note: we will also sell them at the Annual Meeting in Santa Rosa. See you there!



Larry Brown and John Hanson get kids excited about fish and their environment on a sunny afternoon at the 4th Annual Salmon Festival.

American River Salmon Festival

For the fourth consecutive year, the Cal-Neva Chapter sponsored a booth at the American River Salmon Festival to disseminate information about AFS, our chapter, and what we do. The event took place at the Nimbus Hatchery on October 14–15, 2000, (Saturday and Sunday). I'm pleased to report that this year, we surpassed all prior sales records, even that of our Annual Meetings!

I take this opportunity to honor the following people for their assistance at the Salmon Festival: **Larry Brown, Lauren Buffaloe, Rebecca Hager, John Hanson, Darlene McGriff, Mike Meinz** (he worked both days – what a nice guy!), **Paul Meinz, Joe Pisciotto, Mike Saiki, and Sharon Stohrer**. Thank you all for making the Cal-Neva Chapter booth a success!



RAPID BIOLOGICAL ASSESSMENT WORKSHOPS

Training for Natural Resources Professionals

The following set of workshop modules will replace the Introduction and Advanced Rapid Bioassessment training that the Cal-Neva Chapter of AFS co-sponsored the past three years with the Dry Creek Conservancy (DCC). These workshops will cover concepts and standardized procedures described in the recently completed training manual “Measuring the Health of California Streams and Rivers” by Jim Harrington and Monique Born, both Environmental Specialists with the California Department of Fish and Game and co-founders of the Sustainable Land Stewardship Institute (SLSI). The instructor, Jim Harrington, will also include material from a future Society of Environmental Toxicology and Chemistry publication, to which he contributed, entitled “Ecological Assessment of Aquatic Resources: Application, Implementation and Communication.”

Three Day Workshop Cluster — Part 1 (April 9–11, June 4–6 and August 13–15, 2001)

Module 2: Designing Freshwater Ecological Assessments - Rapid and Fully Integrated Approach

Module 3: Sampling Biotic Communities in California Rivers and Streams

Module 4: Physical/Habitat Assessments for Water Quality Projects

Three Day Workshop Cluster — Part 2 (April 12–14, June 7–9 and August 16–18, 2001)

Module 5: Taxonomic Identification of Freshwater Invertebrates Following the CSBP

Module 6: Insuring Quality Data and Interpreting Information from Freshwater Ecological Assessments

Module 8: Stakeholder Involvement in Ecological Assessment and Water Quality Monitoring

Module 9: Current Topics in the Use of Freshwater Ecological Assessments in Water Quality Regulation

LOCATION: All workshops will be held at Sierra College in Rocklin, California (near the city of Sacramento).

COST: The cost is \$250 for members of AFS (membership must be current in the Society and the Cal-Neva Chapter) or members of DCC. The cost is \$300 for all others. This includes instruction only (not meals and lodging). Additionally, each enrollee will need to purchase the manual “Measuring the Health of California Streams and Rivers” for \$30 from SLSI (this manual will be used for both courses). Each workshop will be limited to 20 participants.

FOR MORE INFORMATION OR TO ENROLL, PLEASE CONTACT:

Kathy Hieb

e-mail: khieb@delta.dfg.ca.gov (preferred)

Telephone: (209) 942-6078

4001 N. Wilson Way

Stockton, CA 95205

Symposia and 35th Annual Meeting
American Fisheries Society
California-Nevada Chapter
and Humboldt Chapter

Progress and Continuing Challenges in Conservation and Restoration of Aquatic Species

March 29–31, 2001
Sonoma County Hilton
3555 Round Barn Boulevard
Santa Rosa, California

For Hotel Reservations: (707) 523-7555
Mention Cal-Neva Chapter of American Fisheries Society

Program Coordinators

Larry Brown, Cal-Neva Chapter President-elect
(916) 278-3098 or lrbrown@usgs.gov

Elise Holland, Cal-Neva Chapter President
(415) 495-5660 or Elise.Holland@tpl.org

General Information

Accommodations: The meeting is being held at the Sonoma County Hilton, 3555 Round Barn Boulevard, Santa Rosa, California 95403. **The room rate is \$79 single or double occupancy. Registrants should call the hotel directly (707) 523-7555 to reserve rooms.** If you have trouble making reservations, call David Manning, Time and Place Chair, at (707) 547-1988. Please make your reservations as soon as possible and definitely before March 2, 2001. The discount rate is only available until this date.

Registration: Pre-registration is strongly encouraged. Please use the registration form included in this issue of *Pisces* or download a copy from the web site (<http://www.afs-calneva.org>). On-site registration for the Symposium begins at 7:00 AM and ends at 4:00 PM on Thursday, March 29. On-site registration for the Annual Meeting begins at 7:00 AM and ends at 4:00 PM on Friday, March 30. You may register for both events on Thursday, March 29.

Banquet: The Banquet will be held on Friday, March 30 at 7:30 PM. Tickets are \$40.00. **You are strongly encouraged to purchase Banquet tickets in advance when you pre-register.** When pre-registering, be sure to indicate your choice of entrée.

Social Hours: There will be Cal-Neva Chapter sponsored socials on Thursday, March 29 and Friday, March 30. **The Thursday event will be held at Paradise Ridge Winery from 6–9 PM and will feature a gourmet menu of appetizers and fine wines and beers, as well as non-alcoholic beverages, for all Symposium and Annual Meeting attendees.** Drop by after the Symposium, after you check into the hotel or on your way into town. All are welcome! Shuttle service between hotel and winery will be available. The Friday event will be held at the hotel and will include appetizers and no-host bar.

Commercial Exhibits: If you are interested in participating in the Student Job Fair contact Elise Holland at Elise.Holland@tpl.org. The location for Commercial Exhibits is to be announced.

Poster Session: Posters may be set up on Thursday and taken down at the end of the meeting (location to be announced). **If you are interested in presenting a poster, contact the Poster Session Coordinator, Robert Blizard, (510) 286-6238, robert_blizard@dot.ca.gov**

Student Job Fair: If you are interested in participating in the Student Job Fair contact Jean Baldrige at jbaldrige@entrinx.com. The location for the student job fair is to be announced.

Student Prize: There will be a \$100 cash prize awarded to the outstanding student paper.

Cal-Neva AFS Annual Business Meeting: The Cal-Neva Chapter Annual Business Meeting begins at 12:15 PM on Friday, March 30. A peanut butter and jelly lunch will be available.

Symposia–Thursday March 29, 2001

7:00 AM Symposium Registration

8:00 AM Welcome and Announcements

Opportunities and Constraints in the Restoration of the Bay-Delta Watershed

Coordinator: Larry Brown, U.S. Geological Survey, Sacramento, (916) 278-3098, lrbrown@usgs.gov

8:15 AM Morning Session: Bay-Delta Issues (Titles TBA)

Organic Carbon and Primary Production

James Cloern, U.S. Geological Survey

Introduced Invertebrates

Wim Kimmerer, Romberg Tiburon Center

Introduced Fishes

Lenny Grimaldo, California Dept. of Water Resources
Scott Matern, University of California Davis

Adaptive Management Experiments

Bruce Herbold, U.S. Environmental Protection Agency

Breached Levee Restoration

Si Simenstad, University of Washington

Multi-species Conservation

Michael Fris, U.S. Fish and Wildlife Service

11:45 AM Lunch

1:00 PM Afternoon Session: River Issues and Panel Discussion

Floodplains

Ted Sommer, California Department of Water Resources

Native Resident Riverine Fishes

Peter Moyle, University of California Davis

Central Valley Salmonids

Randy Brown, L.B. Boydstun, and Marty Kjelson

Fluvial Geomorphology

Joan Florsheim, University of California Davis

Dam Removals

Terry Mills, CALFED

Panel Discussion

Symposia—Thursday March 29, 2001

Fish Passage Technologies and Fish Barrier Removal

Coordinators: Dan Odenweller, California Department of Fish and Game, Sacramento
(916) 654-2731 dodenwel@dfg.ca.gov
Darryl Hayes, CH2MHill, (916) 920-0212, dhayes@ch2m.com

8:15 AM Morning Session: Topic TBA

11:45 AM Lunch

1:00 PM Afternoon Session: Topic TBA

12:00 PM Poster Session

Coordinator: Robert Blizard, Dept. of Transportation, (510) 286-6238, robert_blizard@dot.ca.gov
Poster Session set up will begin at 12:00 noon (location to be announced) with posters displayed throughout the meeting.

**6:00–9:00 PM Welcoming Social at Paradise Ridge Winery Hosted by Cal-
Neva Chapter**

Annual Meeting–Friday, March 30, 2001
Progress and Continuing Challenges in Conservation and Restoration of Aquatic Species

7:00 AM Registration

8:00 AM Welcome and Announcements

8:15 AM Opening Remarks

8:45 AM Plenary Session: Institutional and Policy Changes Driving (or Stalling?) Fishery Restoration

Coordinator: Elise Holland, Western Rivers Program Manager, The Trust for Public Land, San Francisco
(415) 495-5660, Elise.Holland@tpl.org

9:00 AM Do Ecosystem Restoration and Water Management Programs Require a Commitment to Science?

Sam Luoma, Chief Scientist, CALFED Bay-Delta Program, Sacramento
(650) 329-4481, sam@water.ca.gov or snluoma@usgs.gov

9:30 AM Title TBA

Dan Castleberry, Chief of Project Implementation, U.S. Fish and Wildlife Service, Sacramento
(916) 414-6533, dan_castleberry@fws.gov

10:00 AM Break

10:15 AM The NMFS 4(d) Rule: A Tool for Recovery of Salmon and Steelhead

Miles Croom, Central California Coast Recovery Coordinator, National Marine Fisheries Service, Santa Rosa
(707) 575-6068, miles.croom@noaa.gov

10:45 AM The CALFED Bay-Delta Program: Looking Forward

Wendy Halverson-Martin, Chief Deputy Director, CALFED Bay-Delta Program, Sacramento
(916) 657-2666, wendyh@water.ca.gov

11:15 AM Title TBA

Dianna Jacobs, Special Advisor to the Director, California Department of Fish and Game, Sacramento
(916) 654-9937, dfjacobs@dfg.ca.gov

11:45 AM Panel Discussion

12:15–1:15 PM Lunch and Cal-Neva Chapter Business Meeting

Annual Meeting–Friday, March 30, 2001
Progress and Continuing Challenges in Conservation and Restoration of Aquatic Species

1:30–4:30 PM Concurrent Technical Sessions

Technical Session 1: Abalone Biology

Coordinator: Peter Haaker, CA Dept. of Fish and Game
(562) 590-5109, phaaker@dfg.ca.gov

Technical Session 2: Contributed Papers: Marine and Freshwater Topics

Coordinator: Dan Logan, National Marine Fisheries Service
(707) 575-6053, or dan.logan@noaa.gov

Technical Session 3: Bay and Estuarine Ecology

Coordinator: Zach Hymanson, California Department of Water Resources
(916) 227-7543, zachary@water.ca.gov

Technical Session 4: Anadromous Fishes Biology

Coordinator: Walter Duffy, U.S. Geological Survey
(707) 826-3268, wgd7001@axe.humboldt.edu

Technical Session 5: Conservation Genetics for Aquatic Species

Coordinator: Kristy Deiner, National Marine Fisheries Service
(707) 575-6050, Kristy.Deiner@noaa.gov

4:45 PM Student Job Fair

Coordinator: Jean Baldrige, Entrix, Inc., (925) 935-9920, jbaldrige@entrinx.com

6:30 PM Evening Social Hosted by Cal-Neva Chapter

7:30 PM Banquet and Evening Talk: Leadership: A Tale of Six Mentors

Speaker: Jim Martin, Conservation Director, Pure Fishing

Annual Meeting—Saturday, March 31, 2001
Progress and Continuing Challenges in Conservation and Restoration of Aquatic Species

8:15 AM Announcements

8:30–12:00 PM Concurrent Technical Sessions

Technical Session 6: Marine Refugia and Marine Research

Coordinator: David Woodbury, National Marine Fisheries Service
(707) 575-6088, David.P.Woodbury@noaa.gov

Technical Session 7: Stream Fish Biology

Coordinator: Bret Harvey, U.S. Forest Service
(707) 825-2926, bch3@axe.humboldt.edu

Technical Session 8: Fluvial Geomorphology

Coordinators: Brian Cluer, National Marine Fisheries Service, (707) 575-6061, Brian.Cluer@noaa.gov,
and Scott Wilcox, Ecological Analysts, (916) 924-7450 ext. 213, sdw@eaest.com

Technical Session 9: Statistical and Analytical Tools for Species Restoration and Conservation

Coordinator: Eric Bjorkstedt, National Marine Fisheries Service
(831) 420-3917, Eric.Bjorkstedt@noaa.gov

Technical Session 10: Effects of Contaminants and Water Quality on Aquatic Species

Coordinator: Michael Saiki, U.S. Geological Survey
(707) 678-0682 ext. 617, michael_saiki@usgs.gov

12:00 PM Adjourn

For Up-to-Date Information:

Check the Cal-Neva Web Site for Annual
Meeting Updates and Registration Materials

www.afs-calneva.org

meeting in Phoenix. The possibility that Chapters could pool their financial resources into the WD investments was also discussed. The potential advantage of this arrangement stems from the basic investment fact that “volume begets volume.” With a larger investment, each entity reaps larger returns. Administration was discussed as a potential hurdle. Future creation of an ad hoc fundraising committee was also discussed.

Communication Between Chapters and Division

Routine contact among Chapter and Division officers is a good first step. Phones, e-mail, websites, and newsletters are all tools at our disposal and all should be used. Most Chapters routinely copy editors of other Chapter newsletters. The eventual use of a WD list server or potential capability to contact all WD members via e-mail was discussed and will be explored. The Oregon Chapter is developing a promotional and informational brochure and will distribute to other Chapters as a model when completed.

Division and Chapter Committees

The Committee page on the WD website has been updated to recognize two types of committees; Standing Committees which are defined by Division by-laws, and Ad Hoc which are not discussed or defined in the bylaws or elsewhere. Updated committee chairs information for 2000–2001 was provided.

Standing Committees:

Nominating–Frank Rahel, frahel@uwyo.edu
Policy Review–Dennis Tol, dtol@ak.blm.gov
Audits–Lou Carufel, loucaye@mosquitonet.com
Program for Annual Meeting–Eric Knudsen,
Eric_Knudsen@usgs.gov
Time and Place–Dave Lentz, Dlentz@dfg.ca.gov
Annual Meeting Arrangements–Eric Knudsen,
Eric_Knudsen@usgs.gov
Membership–Don MacDonald, sff-mesl@island.net
Environmental Concerns–Bob Wunderlich,
Bob_Wunderlich@fws.gov
Archivist–Venice Beske, avbeske@prairieweb.com

Ad hoc Committees:

AFS Certification Appeals–Bill Bradshaw,
brads@state.wy.us
Bull Trout–Shelley Spaulding, Shelley_Spaulding@fws.gov
Division Awards and Nominations–Ken Hashagen,
Khashagen@mindspring.com

Eugene Maughn Graduate Student Scholarship Awards–
Robert Greswell, gresswellr@fsl.orst.edu
Grants Funding Committee–Henry Booke,
Inet:hnbooke@juno.com
Equal Opportunity–vacant
Native Peoples’ Fisheries–vacant
Riparian–vacant

Time and Place of Future Division Meetings

The 2001 WD meeting will be held in Phoenix and will be a joint meeting with National AFS and the WD.

The 2002 WD meeting will be held in Spokane, Washington, and will be a joint meeting between the WD, Sustainable Fisheries Foundation, and the North Pacific International Chapter. This will bring the annual WD meeting back to the West coast after two consecutive meetings held in interior states (Colorado, Arizona). The meeting will center around the concept of Canadian-U.S. transboundary interests in ecosystem approaches to fisheries recovery in the Columbia Basin. This meeting is planned for the spring.

The location of the 2003 meeting is still undecided. One possibility raised is the potential for co-hosting with the Western Association of Fish and Wildlife Agencies.

Other meetings include a co-hosted meeting with the Montana Chapter, “Practical Approaches for Conserving Native Inland Fishes of the West,” scheduled for June 6-8, 2001. Brad Shepard is the contact for this meeting. The Oregon Chapter is also planning a joint meeting with the Wildlife Society on February 14–16, 2001.

Division Awards

Information is posted on the WD website and will be updated with more detail for each award and with nomination deadlines.

Division Funding Assistance

The Eugene Maughan Scholarships (see also page 14) were renamed at the 2000 annual meeting to commemorate Dr. Eugene Maughan and his lifetime influence on many fisheries professionals. Eventual sponsorship has been discussed as a goal for these grants awarded for travel to the AFS annual meeting. The WD

annually budgets \$500 to support a student mentoring luncheon at the annual AFS meeting. This grant is administered through the AFS Equal Opportunity Section and is directed towards increasing ethnic, racial, and gender diversity. The WD has distributed \$10,000 to 12,000 to Chapters and other fisheries related organizations over the last several years and will continue to do so in the foreseeable future. Applications are reviewed in January and July.

Division and Chapter Advocacy

Division and Chapter advocacy guidelines are similarly crafted to ensure careful deliberation before actions are taken, and to protect and enhance AFS credibility. WD comments on the NMFS Draft Biological Opinion (BO) addressing Columbia River hydropower operations and the range of responses to that action were reviewed, followed by an engaging discussion about effective advocacy. Before the meeting, several members had requested that the WD issue a press release in response to the NMFS BO, and after discussion, we agreed to do so.

AFS, Division and Chapter Visibility

Efforts underway include identifying ways that AFS can be more useful for secondary educators, developing a strategy for doing this, and pursuing grant support for the program. AFS leaders have begun attending the Outdoor Writers Conference to promote AFS, and the Visibility Committee is developing a meeting between AFS and House and Senate staffers during the mid-year meeting in March. Other possibilities are using the Western Governors Association and its ENLIBRA principles to increase visibility. ENLIBRA is the Association's guiding set of principles for approaching large-scale environmental issues. A key element is basing decisions on sound science and this element may offer some opportunity for AFS. Other discussion items included having Chapter officers meet with new agency directors to encourage cooperation and support among AFS and agencies.

Chapter Issues and Concerns

One issue discussed that has received intense scrutiny in Oregon and has ramifications throughout the Northwest revolves around interactions between hatchery and wild salmon. The Oregon Chapter is currently developing a White Paper to explain the issues and convey the most current scientific information about the issues. Other issues discussed included ESA protection across the West, Canada's newly emergent "ESA" laws and their likely effects, the continued use and introduction of non-native species like rainbow trout, Atlantic salmon, warm water species, exotic species in general, Atlantic salmon in the Northwest as a topic of a position paper (the NPIC is including this as a session topic at their annual meeting in April 2001 in Victoria, B.C.), potential spread of zebra mussels during the planned re-enactment of the Lewis and Clark expedition, possible support of the 100th Meridian Initiative and potential extension throughout the West, Marine Protected Areas, and the potential for a WD workshop.



Western Division American Fisheries Society Eugene Maughan Graduate Student Scholarship

The Western Division is pleased to announce that applications for its graduate-level student scholarships are now being solicited. This scholarship program provides up to \$3,000 annually in scholarships to master's or doctoral students in the general area of fisheries science with one to three awards to individual students. An award committee of five fisheries scientists from the Western Division will make the decision regarding the award of scholarships. Selection criteria include demonstration of:

1. Excellent scholarship as evidenced by grades in rigorous course work during the last 60 hours as an undergraduate and during graduate studies;
2. Potential for future contributions to the fisheries profession through management, research, or teaching;
3. Significant progress toward attaining a graduate degree in fisheries science with a defined thesis or dissertation project.

The 2001 scholarships will be awarded at the annual meeting of the Western Division in Phoenix, Arizona, August 19–23.

Application Criteria and Process

1. Applicants must be a member of the American Fisheries Society or have submitted 2001 membership materials by the time of application.
2. Applicants must have completed one semester or two quarters in a graduate degree program at a university within the geographic boundaries of the Western Division.
3. Applicants must have a major field of study that is related to fisheries or aquatic science.
4. Applicants must submit an application package that contains five copies of each of the following:
 - A. A letter to the award committee that includes:
 1. a statement of the applicants career goals and reasons for applying for the scholarship (up to 200 words);
 2. a statement of the relevancy of the student's graduate program to the fisheries science profession (up to 200 words);
 3. a description of the student's degree program and the anticipated date of completion;
 4. the names and addresses of two faculty members (one must be the graduate student's advisor) familiar with the student's background and abilities.
 - B. Copies of undergraduate and graduate transcripts;
 - C. A one-page abstract outlining the goals, objectives, design, methods and expected outcome from the thesis or dissertation project.

The application package is to be sent postmarked on or before March 15, 2001 to:

Robert Greswell, Western Division Scholarship Award Committee
USGS-BRD FRESC
3200 SW Jefferson Way
Corvallis, OR 97331
541-750-7410 (work), 541-758-7761 (fax), Robert_Gresswell@usgs.gov (e-mail)

**International Conference on
Restoring Nutrients to Salmonid
Ecosystems
April 24–26, 2001
Eugene, OR
www.gpafs.org/confnutr**

by Richard Grost

While you've got that 2001 planner handy, be sure to schedule in the "Nutrient Conference." This event will define the cutting edge of information on the dynamics and application of nutrients in restoring salmon ecosystems. Interest has been exceptional, with more than 60 presentations submitted, addressing a diverse range of issues. Subjects include estimation of historic salmon escapements; dynamics among aquatic and terrestrial systems; nutrient contributions of carcasses, riparian vegetation, and artificial supplements; protocols for fertilizing lakes and streams in various Northwest ecotypes; methods for salmon carcass augmentation; water quality and primary production effects of carcass decomposition; etc.

Plenary speakers include Jim Lichatowich (WA, USA), Takeshi Murota (Kyoto, Japan), and John Stockner (BC, Canada). Session chairs include: C. Jeff Cederholm, Robert Bilby, and Hal Michael (WA), Robert Lackey and Bill Bakke (OR), Wayne Minshall (ID), Mark Wipfli (AK), Tom Reimchen (BC, Canada), and Lisa Thompson (CA). Besides interactive oral presentations, there will be a lively poster social featuring the Northwest's best microbrews. Student travel awards (up to \$500) are available via a simple application process. The registration form, student award criteria, agenda, and further information are available on the conference web page. Or, you can contact me at 541-496-4580 or rgrost@compuserve.com.

You've heard about the sexy research on salmon-eating otters, bear, and wolves...come to Eugene to see it in-the-flesh!

**ORAFS Watershed Restoration
Workshop 2001:
Integrating Practical Approaches
November 13–15, 2001
Eugene, OR
www.osu.orst.edu/groups/orafs/wrw**

By Richard Grost

The Oregon Chapter of the American Fisheries Society will present an "updated repeat" of its popular watershed restoration workshop series on November 13–15, 2001. This workshop will be similar to the 1999 workshop in Sunriver, where the limited space was rapidly filled and people had to be turned away. In Eugene, we have space for more people (400) and have secured government per diem room rates at the Hilton. The program will feature scientists from California to British Columbia, with diverse restoration expertise. The workshop will describe how to identify, prioritize, and integrate practical approaches to restoring watershed functions. Topics will span from theoretical concepts to on-the-ground planning, treatment, maintenance, and monitoring and will address river geomorphology, soils, riparian forests, fish and wildlife, water quality, and social issues. Notebooks will be provided, and AFS Continuing Education credit will be offered. The agenda, registration form, and other details will be available early in 2001 via the conference web page. For more info contact me at 541-496-4580 or rgrost@compuserve.com.

**A Conference on Science, Policy, and
Conservation Action
July 30–August 2, 2001
Fort Collins, CO
www.freshwaters.org/conference**

"Managing River Flows for Biodiversity: A Conference on Science, Policy, and Conservation Action" will be held July 30 through August 2, 2001, at Colorado State University, in Fort Collins, Colorado. Poster abstracts are due by December 31, 2000. Please contact Nicole Silk at nsilk@tnc.org for more details. Don't forget to visit the website at www.freshwaters.org/conference!

2000–2001 Cal-Neva Chapter Executive Committee

Chapter Officers

President	Elise Holland	Elise.Holland@tpl.org	(415) 495-5660
President-elect	Larry Brown	lrbrown@usgs.gov	(916) 278-3098
Past President	Mike Meinz	mmein@dfg.ca.gov	(916) 358-2853
Treasurer	Alice Low	alow@waterrights.swrcb.ca.gov	(916) 657-1985
Secretary	Michael Saiki	michael_saiki@usgs.gov	(707) 678-0682 ext. 617

Committee Chairs

Membership	Fred Feyrer	ffeyrer@water.ca.gov	(916) 227-2552
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Bylaws and Nominations	(vacant)		
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