

*Promotes the Conservation Development and Wise Utilization of the Fisheries  
A Publication of the California-Nevada Chapter, American Fisheries Society*

VOLUME 22 NUMBER 1

SUMMER 1993

## PRESIDENT'S MESSAGE

This is a very different year for Cal-Neva (and for your president). Instead of the usual Cal-Neva conference that would have been held in February we are meeting with the Western Division AFS and Western Association of Fish and Wildlife Agencies (WAFWA) at the Sacramento Red Lion Inn July 22-29. I would encourage all of you to attend. Jennifer Nielsen has done a fabulous job putting together a great program. Cay Goude has been working hard for the Western Division AFS on the local arrangements, and there is an army of DFG people working on the project. You do not often have the opportunity to attend a Western Division meeting within your own chapter area, so don't miss this one. I encourage you to attend the annual business meeting on Tuesday July 27 after the technical sessions and after the business meeting concludes, Cal-Neva will be hosting a beer tasting event. A token for a free beer will be given to all who attend the business meeting. A cold brew will be a great post-meeting quencher on a warm summer evening.

Your executive committee has been extremely busy on many fronts. There has been some changes in our Excom make up. Alan Baracco has generously volunteered to be the Senior Editor of *Pisces* and he is looking for assistant editors. We are hoping this arrangement will take some of the work load off the editor to do all the pressuring for articles, writing, editing, and layout for the newsletter. It can be more a shared responsibility, and perhaps a rotating one as well. If you are interested call Alan at (916) 355-7098.

Meanwhile, Mr. Wayne Lifton has taken on Alan's former responsibilities as Chair of the Bylaws and Nominations. There is an immediate need to find candidates for Treasurer and President-Elect. If you, as a member of Cal-Neva AFS, feel the crushing guilt of not giving some of your time to your profession, I would encourage you to seek help by contacting me (510) 689-8822 or Wayne (510) 935-9920. Believe me, we will do all we can to absolve your guilt.

Other events have been keeping the Excom busy. Your Conservation chair, Dennis McEwan has been busy with an abundance of issues from delta smelt to winter-run chinook. In March, he attended a Fisheries Legislation Forum put on through the Fisheries Action Network (FAN) of National AFS in Washington D.C. You can read all about his experience in this issue of *Pisces*. Your president just returned from a trip to Chicago where he provided input along with about 20 other AFS members to CNN producers who are working on a documentary on fisheries issues and problems that will be aired beginning September 12. Kevan Urquhart, your Awards chair, has been very involved fighting legislation that would require professional biologists working in California to be registered by the Board of Forestry. Jean Baldrige has been busy sorting out the confusion resulting from the National AFS-defined membership areas of the Humboldt and the Cal-Neva chapters. Finance chairperson Gene Geary has been responding to a flood of requests for money for various projects. My personal appreciation of the hard work that these dedicated professionals are giving to the Chapter is only a minor reward for their efforts.

Next year we will hold our annual meeting some time in March in conjunction with the Humboldt Chapter in Eureka. There are a number of issues

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that both chapters have in common and a joint meeting will provide a forum for discussion. We will need people to assist with the joint organization and execution of this event. If you live in the Marin-Napa-Sonoma-Mendocino-Clear Lake area and are a member of Cal-Neva please let me know if you are available and would like to work on this effort.

If all this wasn't enough, National AFS is looking to meet somewhere in the Western Division in 1997. National AFS meetings have been held in California exactly twice, both times in San Francisco, once in 1915 and again in 1939! I think it's about time the national meetings were held in California. And oh yes, there is some work associated with this task, but the rewards will be many. You know where to find me and I have my AFS membership directory right beside me!

- Tom Taylor, President

### NOTICE TO CAL-NEVA MEMBERS

You may have received this issue of *Pisces* but are not current in your dues. There are at least two advantages of current membership:

1. You will continue to receive *Pisces*.
2. You will be able to vote for Chapter officers.

If you haven't yet sent in your 1993 Cal-Neva dues, please send \$5.00 to:

Ken Lentz, Treasurer  
c/o Calif. Dept. of Fish & Game  
1701 Nimbus Road, Suite B  
Rancho Cordova, CA 95670

Dues received prior to July 20 will make you eligible to vote for 1994 officers.

### Sacramento/Davis Subchapter Notes

Yes, the Sacramento/Davis sub-chapter is alive and well. We have had two successful and well attended meetings since September. Past speakers include Mike Tearney of El Dorado County Fish and Game Commission who described a stream restoration project completed outside the Cleveland Fire area and Dr. Peter Moyle who told us about his recent visit to France to discuss fisheries concerns across the Atlantic Ocean with European biologists.

We are electing a new President and Secretary. The nominating committee has selected Tom Ambrosini for President and Lesa Meng for Secretary and will open the floor to any other nominations before a vote is taken.

### ANNOUNCING A NEW JOURNAL CO-PUBLISHED BY CRC PRESS AND AMERICAN FISHERIES SOCIETY

#### Reviews in Fisheries Science

edited by Robert R. Stickney  
University of Washington, Seattle

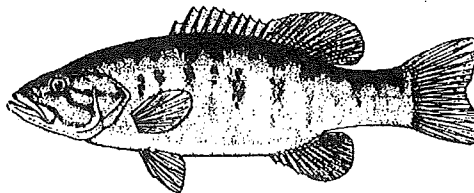
Reviews in Fisheries Science provides an important forum for the publication of up-to-date reviews, historical articles, and original research covering the broad range of subject areas in fisheries science. These areas include management, aquaculture, taxonomy, behavior, stock identification, genetics, nutrition, and physiology. Issues concerning finfish and aquatic invertebrates prized for their economic or recreational importance, their value as indicators of environmental health, or their natural beauty are addressed.

An important resource that will keep you apprised of the latest changes in the field, each issue of Reviews in Fisheries Science presents unique information that will be useful to fisheries scientists in academia, state and federal natural resources agencies, and the private sector.

First Issue: March, 1993. Subscription rate per 4-issue Volume: Individual, \$79.95; AFS Member, \$39.00; Institutional/Foreign, \$195.00. Available from Lewis Publishers/CRC Press, Inc., 2000 Corporate Blvd., NW, Boca Raton, FL 33431 800/272-7737 or 407/994-0555.

I am honored to have served as President for the past year and have learned much about the American Fisheries Society. I hope our meetings have been a benefit to those who have attended in the past and will continue to do so in the future. Thank you.

- Kimberly O'Connor, President



# WESTERN DIVISION AMERICAN FISHERIES SOCIETY

JULY 24-29, 1993

RED LION INN, SACRAMENTO, CALIFORNIA

## SUMMARY OF WDAFS TECHNICAL SESSIONS

### Monday, July 26

#### Session 1

1:30-5:00 p.m. Stream Habitat Evaluation  
Chair: Pete Bisson, Weyerhaeuser Co.

#### Session 2

1:30-5:00 p.m. Sensitive/Endangered Aquatic Species  
Chair: Diane Windham, USFWS

#### Session 3

1:30-5:00 p.m. Lake and Reservoir Issues in the  
Southwestern U.S.  
Chair: Don Erman, Univ. of Calif.,  
Berkeley

### Tuesday, July 27

#### Session 4

8:00-11:30 a.m. Sensitive Aquatic Ecosystems  
Chair: Susan Ellis, CDFG

#### Session 5

8:00-11:30 a.m. Amphibians and Reptiles - Their  
Role in California Ecosystems  
Chair: Mark Jennings, USFWS & Calif.  
Acad. Sciences

#### Session 6

8:00-11:30 a.m. Molecular Genetics and Fisheries  
Chair: Kelly Thomas, Univ. of Calif.  
Berkeley

#### Session 7

1:30-5:00 p.m. Wild Steelhead Ecology and  
Management from L.A. to B.C.  
Chair: Robert Titus, Sacramento

#### Session 8

1:30-5:00 p.m. Contemporary Marine Issues:  
Innovative Science, Policy and  
Management  
Chair: Seth Macinko, Univ. of Calif.  
Berkeley

#### Session 9

1:30-5:00 p.m. Riparian Management - A Water-  
shed/Ecosystem Issue  
Chair: Mark Gorges, BLM, Wyoming

### Wednesday, July 28

#### Session 10

8:00-11:30 a.m. Conservation and Aquatic  
Biodiversity  
Chair: Pat Higgins, Pacific Watershed  
Assoc.

#### Session 11

8:00-11:30 a.m. Estuarine Ecology  
Chair: Jerry Smith, San Jose State Univ.

#### Session 12

8:00-11:30 a.m. Ecological Modeling of Salmonid  
Populations  
Co-Chairs: Ed Cheslak, E.A. Engineering  
and Chuck Coutant, Oakridge Nat. Lab.

#### Session 13

1:30-5:00 p.m. River Restoration: Choosing  
Appropriate Strategies  
Chair: Scott Wilcox, Ebasco  
Environmental

#### Session 14

1:30-5:00 p.m. Contributed Papers

#### Session 15

1:30-5:00 p.m. Workshop Forum on Salmonid  
Modeling

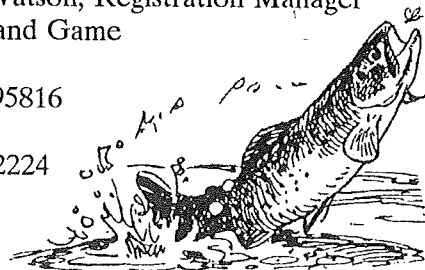
### Thursday, July 29

8:30 a.m.-3:00 p.m. Biology of the Sacramento-San  
Joaquin River System: Life in the  
New Regulatory Environment  
Chair: John Williams

Need more information? Write to:

Western Association Conference  
Attn: Margaret Watson, Registration Manager  
Calif. Dept. Fish and Game  
3211 "S" Street  
Sacramento, CA 95816

or call (916) 227-2224



## UPDATE ON ATTEMPT BY FORESTERS TO LICENSE BIOLOGISTS

Since the last issue of *Pisces*, two bills have been introduced to the Calif. State Legislature to try and define those duties which require a Registered Professional Foresters (RPF) License from the Board of Forestry (BOF), and to exclude biologists doing fish and wildlife oriented work from the BOF's attempts to license them based on the BOF's reinterpretation of the 1972 Professional Foresters Licensing Law. **Your support is urgently needed for these pieces of legislation, SB 1094 by Senator Lucy Killea (Ind.) and AB 1185 by Assemblyman Dominic Cortese (Dem.). Call or write your Senator, Assemblyperson and the Governor ASAP to express your support for both these bills and your opposition to being licensed by the BOF.** They are listed under State Government in the front of your phone book.

The BOF and its 1400+ RPFs are mounting a major campaign to kill these bills. **Every Cal-Neva member actively practicing fisheries science and conducting aquatic resources management must immediately contact their legislative representatives, at least by phone.** If you remain silent on this issue many of you may be forced to try to get licensed as an RPF, or have your work and plans signed off-on by an RPF.

Both bills attempt to clarify the legislature's intent that the RPF Law was only meant to apply to persons in the traditional practice of forestry on forest lands. SB 1094 defines that an RPF license is needed only for activities covered by Part 2, Division 4, beginning with Section 4100 of the Public Resources Code. These code sections define the duties and responsibilities of the BOF and the Calif. State Dept. of Forestry and Fire Protection (CDF) in regulating commercial forestry practices and forestry management, such as timber harvest plans, timber salvage, and fire protection. Persons conducting timber appraisals, forest inventories, damage assessments, fuels management and prescribed burning, site preparation and reforestation would also need an RPF license.

AB 1185 changes some of the Sections in the Public Resources Code within the 700 series that contains the Professional Foresters Licensing Law,

and adds the following to the Fish and Game Code. A new Section 852 states: "Unless otherwise required by this code, anyone conducting scientific or regulatory investigations, determinations, or reviews for the primary purpose of conserving, protecting, enhancing, and restoring fish and wildlife do not require professional licensing or regulatory certification to conduct fish and wildlife management activities required for the conservation, protection, enhancement, and restoration of natural resources, including fish and wildlife and their habitat. This section does not apply to registered professional foresters." This allows biologists to develop their own licensing program, if they choose to do so, and add it to the Fish and Game Code.

Both bills have passed out of their original house and are up for a vote of concurrence in the opposite house by the end of June, then they'll go to the Governor's desk. The BOF and their RPFs will continue to strenuously oppose these bills. If you feel strongly about this issue, please mail or FAX your letters of support to the authors of each bill at the locations listed below.

### AB 1185

The Honorable Dominic L. Cortese  
Chair - Water, Parks & Wildlife  
Calif. State Assembly, 23rd Dist.  
P.O. Box 942849  
Sacramento, CA 94249-0001  
Phone: 916-445-8243 FAX: 916-323-8898

### SB 1094

The Honorable Lucy L. Killea  
Calif. State Senate, 39th Dist.  
P.O. Box 942848  
Sacramento, CA 94249-0001  
Phone: 916-445-3952 FAX: 916-327-2188  
FAX: 916-323-8898

Representatives of the five professional societies on the Professional Societies Licensing Task Force have met with the BOF three times to try and resolve the issue without legislation, but little progress has been made. Thus, this group is sponsoring SB 1094. The union representing State scientists, Calif. Assoc. of Professional Scientists, has also convened two other meetings with

representatives of the BOF, professional societies, and State resource management departments to develop a consensus for the language in the bill they are sponsoring, AB 1185. They have yet to reach a consensus with the BOF and CDF.

The BOF's bottom line, as derived from their position statements at these various meetings, is that they will require a RPF license for anyone attempting to manage (and potentially to testify as an expert witness commenting on the management of) vegetation or soils on land with more than (approximately) 10% tree cover (i.e. canopy). Thus, fishery biologists would only be qualified to comment on, or manage physical variables below the water's surface. They would have to define specific physical instream parameters needed by fish (e.g. temperature, particle size and composition, % cover or shade) and leave the RPFs to develop a land management plan which achieves these objectives, without having any formal recourse or standing to challenge the contents or instream effects of such plans. Thus, RPFs are guaranteed the lead role in land management on lands with greater than 10% tree cover.

## MAIL ORDER FORM



*Sea Fare—The Official American Fisheries Society Cookbook, Volume I* is the perfect gift to share with friends and family. Your purchase of this special collection of favorite recipes from American Fisheries Society members will bring delectable meals to the table while supporting the Society's programs.

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Please add \$4.00 for shipping and handling for first copy and \$1.00 for each additional copy.

TOTAL enclosed \$ \_\_\_\_\_

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Make checks payable to AFS in U.S. currency or equivalent (or use MasterCard or VISA) and mail to: American Fisheries Society, 5410 Grosvenor Lane, Suite 110, Bethesda, MD 20814-2199 USA.

Name: \_\_\_\_\_

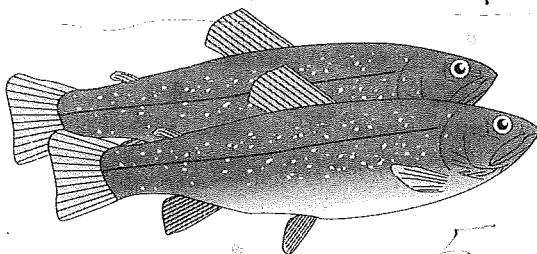
Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_

Country \_\_\_\_\_

Signature: \_\_\_\_\_

\*prices subject to change without notice.



# AWARDS COMMITTEE REPORT

## CALL FOR NOMINATIONS

Please forward nominations for the Chapter awards to the committee chair by 6-25-93. Each year the Chapter attempts to give the following list of awards, but there are often no nominees submitted to the committee chair and he is left to generate nominees on his own. This is unfortunate as the committed chair's background and professional contacts restricts the list of potential candidates he can develop. The Chapter is sorely in need of nominees from southern California, Nevada, private employers, federal agencies other than the USFWS, and marine professions. !!IT IS UP TO THE MEMBERS TO NOMINATE WORTHY CANDIDATES OR HAVE THEIR ACHIEVEMENTS GO UNRECOGNIZED!!

### Chapter Award of Excellence

"The Chapter Award of Excellence recognizes a Chapter member (who must by definition be a member of the National AFS) for professional excellence in research, management, education, publication, or for outstanding contributions to the profession, the Society, or fisheries conservation."

### Chapter Award for Distinguished Professional Achievement

"The Chapter Award for Distinguished Professional Achievement recognizes a long-standing pattern of superior on-the-job accomplishments by a member of the Chapter and Parent Society, which benefitted the fisheries of the two states and/or led to significant advances in fisheries management or science".

### Conservation Achievement Award

"The Conservation Achievement Award recognizes **non-member** individuals or groups for outstanding contributions or service to fisheries conservation."

### Chapter Award for Special Contributions

"An award presented to Chapter members for those special efforts on behalf of the Chapter which do not meet the criteria for the Chapter Award of Excellence."

## Proposal to Revise the Criteria for the Chapter Award of Excellence Bylaws Change to be Considered at the Annual Business Meeting

It appears that we are not going to be able to award the Chapter's Award of Excellence as often as we used to, and that our members are not aware of its stringent selection criteria. The current criteria for the award in our bylaws are shown above. However, the actual criteria applied to all past nominees is more along the lines of the following statement:

The Chapter Award of Excellence recognizes a Chapter and Parent Society member for exemplary depth and breadth of professional achievement in academia, government service, or private practice; combined with significant publications and/or conservation activities, and participation in Chapter activities. They must have achieved significant distinction on multiple fronts (professionally, scientifically, environmentally, and as a supporting Chapter volunteer). Those given this award should have achieved statewide recognition as a major authority or guiding force in California and/or Nevada fisheries management and science.

Many recent, and meritorious, award nominees do not even come close to these standards. Needless to say, neither will most of us in the course of our careers, but that is the point of having such a distinguished and prestigious award. In response to this, we created a new award at our 1992 Annual Meeting in Redding to recognize the efforts and accomplishments of the less superhuman among us, who have nevertheless distinguished themselves professionally. It is called the "Chapter Award for Distinguished Professional Achievement". Its criteria are also shown above. At the 1992 annual meeting we were supposed to adopt the revised text in the preceding paragraph for our Award of Excellence, to better separate it from the Award for Distinguished Professional Achievement. However, things got lost in the shuffle and we will need to vote on this bylaws change at the 1993 meeting in Sacramento. I propose we substitute the second description of the Chapter Award of Excellence for the one that exists in our bylaws to codify the actual criteria by which we have always been giving this award.

- Kevan Urquhart, Awards Committee Chair

## STUDENT ATTENDANCE AWARDS FOR THE 1993 WDAFS MEETING

So far, we have only one confirmed student applicant for the three free room nights at the WDAFS Annual Meeting in Sacramento. This is a sorry state of affairs. Don't any of you faculty members 1) belong to Cal-Neva, 2) read the newsletter, and 3) talk to your students? Applications for this great financial opportunity will continue to be accepted by the Awards Committee chair through 6/25/93. Call Kevan at 916-653-2228.

## CONSERVATION COMMITTEE REPORT

### Report on AFS Legislative Conference in Washington D.C. March 16 - 18, 1993.

The purpose of the conference was to increase the effectiveness of AFS at advancing a legislative agenda by:

- learning what Congress needs to know about fisheries and aquatic ecosystems
- learning how to effectively provide this information to Congressional representatives and their staffs
- assimilating information regarding four very important and timely issues that effect fisheries and aquatic information:
  1. Endangered Species Act re-authorization
  2. The Magnuson Fishery Conservation Act
  3. The Large Rivers Interjurisdictional Fisheries Act
  4. The 1872 Mining Act reform.

The first one and one-half days of the conference consisted of presentations and workshops put on by AFS staff and lobbyists from various environmental organizations. The topics included:

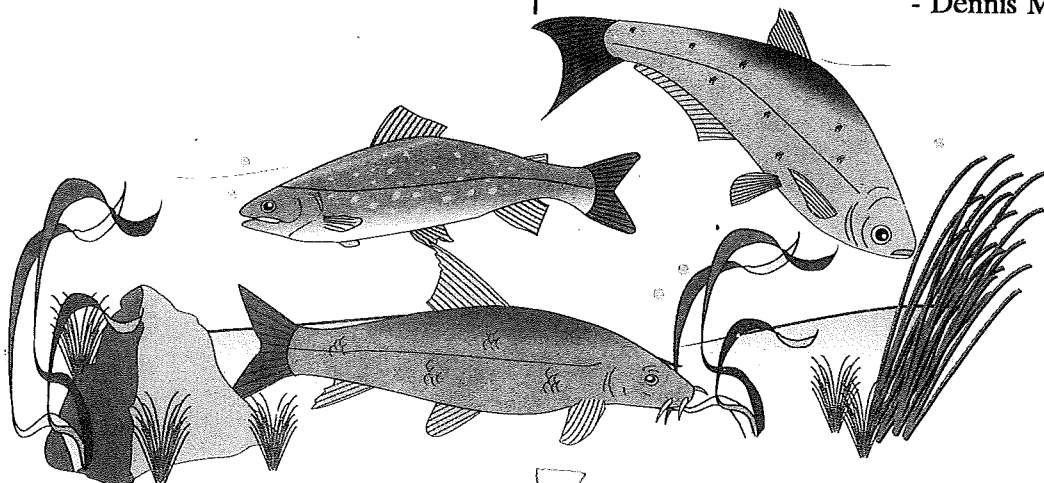
- How AFS can effect the legislative decision making process
- The political scene on Capitol Hill
- Lobbying, advocacy, and networking
- Endangered Species Act Re-authorization
- Overview of the Magnuson Act
- Overview of the Large Rivers Interjurisdictional Fisheries Act
- Reform of the 1872 Mining Act

On the third day we attended a breakfast at the National Press Club where Ted Turner gave the keynote address (yes, Jane was there too). The highlight was his committal of the Cable News Network (CNN) and money to produce a documentary on the plight of the nation's fisheries and aquatic ecosystems. We then attended a Congressional Briefing on the four Acts that we had been discussing throughout the conference.

After the briefing, we put our new-found knowledge to use by meeting with our congressional representatives and their staff to lobby for re-authorization and/or reform of the four Acts. Pat Higgins (Humboldt Chapter AFS) and myself met with staff members of Senators Feinstein and Boxer and Representatives Condit and Doolittle. We focused mostly on Endangered Species Act re-authorization and why we believed the Act should not be weakened or substantially amended. We also wanted to introduce them to the American Fisheries Society and let them know that we are available to help should they need technical information regarding issues specific to fisheries or aquatic ecosystems. The evening hours were spent at Slick Willie's (the pub, not the White House) quaffing some fine Washington brews and comparing notes.

All-in-all, the conference (which was the first annual, by the way) was a resounding success. If nothing else, simply learning how easy it is to access members of Congress and/or their staffs made the conference worthwhile. I believe that, because we are professionals, legislators and staffers will listen attentively to us, as long as we remain credible and let the facts speak for themselves.

- Dennis McEwan, Chair



## Cal-Neva AFS Training Sign-Ups

Do you need or want training? Fill out this Continuing Education Needs Survey. Do you need any of the following classes? Are there additional classes of interest?

Course Title (Please check desired courses) Preferred Location

- ☐ Sampling Techniques Workshop
- ☐ Hydrology and Hydraulics
- ☐ Expert Witness
- ☐ Scientific/Technical Report Writing
- ☐ Correspondence: Letters and Memos
- ☐ Nonparametric Statistics
- ☐ Statistical Methodology (Parametric Statistics)
- ☐ Analysis of Small Hydroelectric Projects
- ☐ Applied Multivariate Statistical Analysis
- ☐ Simple and Multiple Regression
- ☐ Introduction to Watershed Hydrology
- ☐ Certified HEP - Habitat Evaluation Procedure
- ☐ Environmental Ethics
- ☐ Time Management
- ☐ Natural Resource Negotiations
- ☐ Giving Technical Presentations

☐ Others (Please List): \_\_\_\_\_

☐ I am interested in being a member of the Continuing Education Committee.

☐ I will facilitate \_\_\_\_\_  
Name of course

Please turn completed form into Registration Desk at the Western Division Meeting in Sacramento, July 22-29, 1993, or mail to: Susan Ellis, American Fisheries Society, 2139 Rachel Way, Carmichael, CA 95608

Your input is needed by September 1, 1993, so that the 1993-1994 course catalog can be prepared. Thank you for your help.

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

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