



# THE TRIBUTARY

A Newsletter of the Western Division,  
American Fisheries Society



*American Fisheries Society*  
*Western Division*

Volume 11, No. 1/November 1985

## PRESIDENT'S CORNER

Many of you are aware by now that all of the Divisions, and most of the Chapters have shifted their terms of office to coincide with the parent society (usually about the second week in September). Since this was the first year, **Neil Armentrout** carried on his duties as President for an extra two months. Which also reminds me that Neil (as Immediate Past-President) is now chairperson of the Western Division Nominating Committee. Neil not only needs Western Division/American Fisheries Society (WD/AFS) members to serve on this committee, he also needs you to start thinking about candidates for the elected offices. Save the provided for you in this issue, and mail in your suggestions for potential candidates or offer to help Neil by serving on his committee.

I can't think of a year that could be more exciting than this one to be President of the largest division in the American Fisheries Society. We not only have a collection of some of the most vigorous, dynamic (and young!!) chapter presidents, we also have similar qualities in our general membership. I have seen a spirit of interest, cooperation, and willingness to serve at every symposium, meeting and workshop that I have attended in the past two years. Lets all get involved. Contact your chapter officers, section officers, or any committee chairpersons and begin an active role in AFS. Besides the Western Division Committees listed here, each chapter and section has many active committees and solicits candidates for chapter and section

offices each year. We've made it very easy for you to participate at the division level by providing a form with this newsletter for you to express your interests.

Our WD/AFS Annual Meeting at Snowmass had an excellent attendance and a program that focussed much needed attention on Colorado River fishes. Bill Helm reported excellent progress on the WD/AFS sponsored report on Habitat Inventory, and a number of resolutions dealing with grazing and riparian habitat (most of which were drafted by the Oregon Chapter) were presented by WD/AFS Resolutions chairperson John Peters, and passed by the members.

Gordon Haugen's RIPARIAN HABITAT committee completed the 35mm slide/audio-tape documentary on riparian habitat. One copy resides at AFS headquarters, and WD/AFS library has 5 copies for sale or loan (contact Ellen Gleason, or the new RIPARIAN HABITAT committee chairperson, Bruce H. Smith of the Colorado-Wyoming chapter).

The installation of officers at the Annual AFS Meeting at Sun Valley was an obvious indication of the overwhelming support of WD/AFS members as their candidates. As **Bill Platts** (Idaho Chapter), moved to Immediate Past-President, **Shelby Gerking** (Arizona/New Mexico Chapter) moved to President-Elect, **Stan Moberly** (Alaska Chapter) moved to First Vice-President, and **Bob White** (Montana Chapter), and a past WD/AFS president) stepped into his new post as Second Vice-President. AFS President **Johanna Reinhart** has an absolutely superb

slate of AFS officers to assist her, and the whole-hearted support of the Western Division during her tenure.

This year, the AFS budget is over 1 million dollars, the constitution and by-laws are in the final stages of revision for EXCOM review, and President Reinhart is preparing this society to start looking into the next century. The AFS/EXCOM meetings determine the direction of our society, and if you plan to attend the AFS sponsored Anadromous/Catadromous Fishes Symposium in Boston in March, come in over the weekend and sit in on the 1986 mid-term AFS/EXCOM meeting, even if it just for a few hours.

The WD/AFS joined forces with the AFS Marine Fisheries Section (MFS/AFS) for the second time to design, equip, and man a complimentary booth representing AFS at the 1985 FISH/EXPO at the Seattle Center Coliseum. The booth was named by volunteers from the North-Pacific International Chapter and **Kirk Beiningen**, from the Oregon Chapter. The exposure is working. Shortly after closing, I received a call from the International Sportsmen's Expositions and they want us to have a complimentary booth at the Seattle Kingdome in February, and at shows in Denver, Colorado, and San Mateo, California. We are committed to the Seattle show, and I hope that we have the resources to do the other two. This was the first year that we used VHS tapes. **Don Flescher** of the NE Division did a splendid job of converting "This is AFS" and our WD Riparian show from audio/slides to 1/2" VHS tapes. We also had a tape from the Fish Culture Section on Texas Saltwater Hatcheries, and one from the Atlantic International Chapter on Canadian research in the North Atlantic. I have since found out that a number of our WD/AFS Chapters are seriously working on VHS tapes of Chapter activities, student work, or critical issues and concerns. Video tape is not only an excellent way of communicating the story of AFS and our natural resources to the public, but it is a way of seriously documenting a great deal of our work.

FISH/EXPO was attended by about 13,000 people related to the commercial fishing industry, and the upcoming Sportsmen's

Exposition in Seattle will attract at least 25,000 anglers. I have talked to a number of people now who have joined AFS after visiting our exhibits, including several in the commercial fishing field who are ready to work on riparian habitat problems in Alaska. Should we be attracting non-professional (fishery) people to AFS? Certainly we should, as AFS membership is open to anyone who is "interested in aquatic resources". A diversity of professional and non-professional people within the society provides us with additional strength within the general social structure, and affords ample opportunity for diverse views and an education for all. For those of us who are fishery scientists and want to be recognized as such, AFS has a number of excellent certification programs that grow in stature each year and are frequently under review and revision to meet the needs of our changing times.

There are two major goals that I want to achieve during my term as President of the Western Division. The first is to impart the significance of the Wallop-Breaux Bill to the anglers in our Western states, and the second is to continue our efforts in communicating aquatic resource problems to the interested public of Western North America. I hope that I can satisfactorily address these "outside" while still addressing the almost daily needs "inside" the Western Division and the Parent Society.

**Tony Novotny**

## CHAPTER NEWS

### **ALASKA CHAPTER**

The Alaska Chapter organized the grand prize for the Skinner Memorial Fund Raffle at the 115th Annual Meeting of AFS at Sun Valley, Idaho, from 7-12 September, 1985. The prize was a virtual all-expense paid trip to Alaska for two persons over a 2-week period next June. The trip (worth \$5,300) was won by **Don Martin** (Western Division President-Elect) of Star, Idaho. The travel adventure will consist of the following choice activities with these top-notch guide and travel service companies:

## Event and Donor

1. Roundtrip flight, Seattle to Anchorage.....**New Wien Airlines**
2. Car rental for 2 weeks.....**Kramer, Chin and Mayo**
3. Various meals and lodging, up to \$500.....**Western Division, AFS**
4. 2-day Tour with overnight, Denali Park.....**Midnight Sun Tours**
5. 2-day Tour with overnight in Valdez including glacier cruise aboard the Glacier Queen.....**Gray Line/Westours**
6. Halibut charter, Kachemak Bay.....**North Country Charters**
7. Chinook trolling, Cook Inlet.....**King of Kings Guide Service**
8. Roundtrip flight, Anchorage to King Salmon.....**Mark Air**
9. 3-day stay at Brooks Lodge, Katmai National Park including bus tour of Valley of 10,000 Smokes and opening day of rainbow fishing, Brooks River.....**Katmailand, Inc.**
10. Air Transportation and "flightseeing" from King to Salmon to Brooks, and meals at Brooks Lodge, up to \$500.....**Alaska Chapter, AFS**
11. Guided Chinook fishing, Kenai River.....**NW's Guide Service**
12. Guided Chinook fishing, Kenai River.....**Pacific Coast Chapters**

The package was assembled by Alaska Chapter President **Carl Burger** with the help and support of AFS First Vice-President **Stan Moberly**, Western Division Presidents **Novotny** and **Armentrout**, and Raffle Committee members **Dennis Anderson** (chair) and **Harv Forsgren**. The Skinner Memorial Fund Raffle grossed over \$9,000 (a new record) at Sun Valley. Thanks for a job well done Carl!

Newsletters from a host of AFS chapters were on display at the 115th Annual Meeting of AFS at Sun Valley, Idaho. For the first time ever, the entries were judged. I am pleased to announce that AFS Executive Director **Carl Sullivan** commended the Alaska Chapter at the Business Meeting for having the best newsletter of all Chapter submissions. Obviously, "Oncorhynchus" is of consistent high quality because of the hard work of Editor **Lou Carufel**, Assistant Editor

**Mel Mosen**, and Publisher **Connie Taylor**. We also owe a debt of gratitude to the past Chapter presidents (**Roger Grishkowsky** and **Stan Moberly**) instrumental in the commencement of our newsletter and to the people like **Keith Jefferts** (Northwest Marine Technology) who have financially supported "Oncorhynchus." Well Done!

## **OREGON CHAPTER**

Oregon will be the host Chapter to the Western Division Annual Meeting next July (1986) at the Portland Hilton. They will need a lot of help as the time draws nearer. The Portland Chapter, under President **Mark Schneider**, has offered it's members to assist as hosts, providing transportation, etc. Thanks, Portland AFS members.

CONGRATULATIONS to your fine editor, **Joe Wetherbee**, are in order. The Oregon Chapter newsletter won 2nd place among all Chapters nationally.

Membership chairman **Dan Barrett** was recently recognized in the AFS Diary from National as recruiting the most new members for the year. Dan has done an outstanding job enlisting new members.

President-elect **John Anderson**, Program Chairman, reports things are shaping up for the January 22-24 meeting at Kah-Nee-Ta. Tentative sessions are listed below. If you feel you have a presentation applicable to any of the sessions, contact the chair persons listed or John.

Regional Planning and Mgt.-**Dave Heller**;  
User Views of Fisheries Mgt.-**Bill Bakke**;  
Computers in Fish Mgt.-**Max Zirges**;  
Over winter Habitat-**Bob House**;  
Riparian Mgt.-East side-**Errol Claire**  
-West side-**Dave Heller**  
Forest Practices-**Jim Buell**  
Public Involvement in Fish Mgt.-**R. Berry**  
Ocean Salmon Mgt.-/Ocean Troll-**K. Brown**  
Fish Culture-**John Isley**  
Pesticides-**Dave Buchanan**  
Marine Issues-**Mike Hosie**  
Evaluation of Mgt. Practices- **D. Cramer**  
Lake Mgt.-**Jerry MacLeod**  
Contributing Papers-**Carl Schreck**

The Oregon Chapter made input to the DOF State Agency Coordination Program, addressing the sufficiency and enforceability of the Forest Practices Act with respect to Land Use Goals 5 and 17. The endeavor was initiated in the Stream Habitat Committee with the ball carried primarily by **Nancy MacHugh, Krystyna Wolniakowski** and the Executive Committee. The extra effort by these people is greatly appreciated and they should be commended.

#### CALIFORNIA-NEVADA CHAPTER (CAL-NEVA)

##### 1985/86 Executive Committee

President.....**Cay Goude**  
President-elect.....**Larry Eng**  
Secretary.....**Mike Aceituno**  
Treasurer.....**Alan Baracco**  
Past President.....**Dennis Lee**  
Editor, PISCES.....**Mike Mainz**

The 1986 meeting (co-sponsored with California Natural Resource Federation) will be January 23-25 at Picadilly Inn in Fresno. The Thursday symposium will be entitled "Wetland Values to "Fish" (A moderator has Yet to be selected). We have a full slate of tentative topics ranging from "Natural Perspective on Wetland Habitat Loss" to "Central Valley Wetlands" and "Desert Wetlands". The Friday general session will deal with environmental problems in the Central Valley. Topics tentatively include, Kesterson, White Bass, San Joaquin River Cleaning and Snagging Project, and Sacramento River Bank Protection. Saturday's general session is tentatively titled "The Route to More Effective Involvement in Resource Management Decisions". We hope to have **Congressman Bosco** as the keynote speaker. A panel discussion on the "Non-biological Considerations in Resource Management Decision Making" will follow.

The CAL-NEVA Chapter has been aware of the need for continuing education and has made significant progress toward training biologists, although not with a formal continuing education (i.e. units toward a certificate). We have contracted with consultants to teach classes in Scientific/Technical Report Writing, Statistical Sampling Techniques, Non-Parametric Statistics, and Analysis of Small Hydroelectric Projects. In the last 18 months, approximately 150 biologists have

completed one or more of these classes. A side benefit from the classes is the profit they generate: a recent Scientific/Technical Report Writing Class netted almost \$1,000 (19 people), Analysis of Small Hydroelectric Projects (12 people but the instructors--both AFS members, are donating their time) will net over \$1,500. The Alaska Chapter has followed our lead and is also doing well financially.

CAL-NEVA Chapter, AFS sponsored a one day symposium concerning the natural history of California trout. This symposium was held in conjunction with the chapter's annual meeting in Monterey. Robert J. Behnke, Associate Professor of Fish Biology, Colorado State University, was the keynote speaker. Topics covered included: steelhead, rainbow trout, and bull trout. About 120 people attended. Those attending will be mailed abstracts in late March. Others wanting abstracts can get them for a nominal fee by contact Dennis P. Lee (916-355-7045).

At a recent EXCOM meeting, **Ken Hashagen** reported on the planning of the Cal-Neva sponsored salmon symposium. The symposium is tentatively planned for spring 1987 in Sacramento. The intention is to make this a top quality effort with well recognized experts and policy makers as speakers. Anyone interested in additional information should contact Ken Hashagen, CDFG, (916-323-7324).

The Executive Committee was recently presented data relative to the status of winter run chinook salmon in the Sacramento River. On the basis of this data, the Executive Committee is considering submitting a petition to the National Marine Fisheries Service requesting that the Sacramento River population of winter run chinook salmon be listed as a Threatened Species.

**Almo Condore** was selected by The Awards Committee and presented with the 1984 Membership of Excellence Award at the 1985 Annual Conference. Congratulations!

**Almo** has been employed by the California Department of Fish and Game since 1953 when he began working as a student biologist at Clear Lake. He is presently assigned to the

Inland Fisheries Branch in Sacramento as a Fisheries Management Supervisor. He has been a member of the American Fisheries Society since 1954 and is a Certified Fisheries Scientist.

#### IDAHO CHAPTER

The Idaho Chapter will be holding its annual meeting on March 6-8, 1986, at the Red Lion Downtowner, Boise, Idaho. Session Topic will be non-point source pollution: Impacts on Fish and Water Quality Management. For more information contact **Susan Martin**, Program Chairman, at Route 1 Box 84, Star, Idaho 83669 or call (208-334-4251).

#### NORTH PACIFIC INTERNATIONAL CHAPTER

The reins of the North Pacific International Chapter were passed back to Washington 30 August when **Gerry Taylor** stepped down and **Jim Walton** took over. Gerry with his 18-month tenure has now served the longest of any of the previous chapter presidents. His guidance and leadership has served the chapter well.

The new EXCOM decided to hold the next annual meeting in Bellingham, Washington at Western Washington University on 24-26 March 1986. **Jeff Cederholm** (206-374-6131), Chapter President-Elect, is the Program Chairman. This year's program will focus on water pollution in Puget Sound as well as offering such diverse topics as fisheries legislation, microcomputers, electrofishing, shellfish research and stream research. The program, well on its way to being finalized, should prove to be both stimulating and provocative.

**Jim Walton**, the current Chapter President, was recently appointed by Washington's Governor Booth Gardner to the Washington Game Commission. As a Game Commissioner, Jim will be responsible for setting policy decisions for game fish and wildlife in the state and overseeing the operation of the Game Department. Jim feels that his involvement in AFS was one of the primary reasons he received this appointment. He is looking forward to using the chapter and its members as a valuable resource in shaping the Game Department's policies.

#### ARIZONA/NEW MEXICO CHAPTER

A professional preparation of a 20-minute VHS tape entitled "Endangered Fishes of the Southwest - An Upstream Struggle" has been recently completed. Price is expected to be less than \$100/copy. Please contact **Buddy Jensen**, Chapter President.

The University of Arizona Chapter was officially dissolved at the annual AFS Business Meeting, September 11, 1985. All assets and records of the Chapter will revert to the Arizona/New Mexico Chapter.

#### MONTANA CHAPTER

**Janet Decker-Hess**, Chapter President sent me this excellent synopsis of the Montana Chapter's attempt to pass riparian tax exemption legislation. She felt, and I agree that this might benefit other states in their future endeavors.

During the 1985 Montana Legislative Session, the Montana Chapter introduced the Riparian Land Protection Act. The Oregon Riparian Law, passed in 1981, was used as a model for our bill. Our bill differed in two major areas--the Department of Fish, Wildlife and Parks (DFWP) rather than the Conservation Districts was the lead agency and our bill involved only the Tax Exemption Program. We felt the tax credit portion of Oregon's legislation would be redundant because money available for riparian rehabilitation already existed in Montana. We hired a part-time lobbyist, member **Chris Hunter**, and with the help of the Environmental Quality Council editing our bill, the Chapter entered the political arena.

Our bill was introduced into the House and was assigned to the Natural Resource Committee. Our testimony was effective, the opposition was weak and we passed out of Committee with the help of Republican and Agricultural Legislators alike. Second reading on the floor was to be our victory, but prior to the third reading, we began to hear some rumbling from the agriculture lobbyists. The arguments against the bill were that it did not provide enough tax incentive, that it was a "foot in the door" (to who knows what) and that the cost of the

program would actually be more than the Revenue's fiscal note had estimated. Much of the floor debate resulted from demo-repub power struggles and after a fairly rough road and verbal amendments that we added to diffuse some of the arguments, our bill passed out of the House and on to the Senate.

Our downfall began here. The arguments presented in the House were reiterated in the Senate and with the stream access issue resolved for the most part, the agricultural lobbyists had time to turn their attention to our bill. We testified before the Taxation Committee with considerably more opposition than what we saw during the House hearing. Because of their close involvement with the stream access issue, Trout Unlimited and the Wildlife Federation could not lend the support to our bill that we could have used. Only Audubon, who had stayed clear of the access issue gave active support to our bill and their efforts were greatly appreciated and needed.

Senators on the committee felt the bill would be ineffective, it was one more infringement on property owners rights and basically felt it was not needed on the law books. To ease these arguments, we again amended the bill to add a "Sunset Clause" and clarified management responsibilities once land was enrolled in the program. Unfortunately, our best efforts failed and the bill received a do not pass vote out of the Committee.

Where were are weaknesses? Our lobbyist provided us with some insights. The size of the tax exemption is an obvious problem. Agricultural land in Montana is taxed at approximately \$2.63 an acre. To take a 100 foot strip of riparian land and remove it from the tax base, even along a mile of stream is not going to make a big dent in anyone's taxes. It is hardly worth the paper work. Landowners rights are always an issue in Montana but are not normally as big of one as it was this session. We need to spend the next two years working with the DFWP to increase the incentive to the landowner and find a money source to reimburse the county tax rolls. Secondly, we need to work more with the agricultural community, address their concerns and gain their support. Here

we were trying to establish a program to give agricultural interests a break and they saw it as a threat. We obviously had a communication breakdown or no communication at all. We created a great slide-tape show three years ago but did not get it out and give it the exposure it deserved.

Even without the passage of our bill, there was a lot of progress made in the last three months with riparian protection. The word "riparian", its meaning and its value to fish, wildlife, and land have been introduced to our legislatures. The Chapter "got out of the closet" and got out on the front line of the legislative process for the first time. The idea is a good one and the more involved you get with this issue, the more sense it makes. Janet hopes their membership decides to try again in 1987. She thinks it will make it.

#### **COLORADO STATE UNIVERSITY STUDENT CHAPTER**

On 6 October, the Colorado State University Student Chapter held its annual "Kids Fishing Day" at Louis Swift's ponds, a long time local supporter of the Student Chapter. Each year during the fall semester, the chapter has sponsored a day of fishing and lunch for disabled or special education students. This year seven speicald students from near-by Lincoln Junior High School participated in our fishing day aided by 12 of our members including **Dr. Stephen Flickinger**, faculty advisor for the CSU Chapter. The day proved to be a great success with excellent weather and even better fishing. Each of the kids caught at least two or three rainbow trout (12 to 14 inches) including one girl who outfished all the boys by hauling in six fish in two hours. Barbecued hotdogs were then served for lunch as a conclusion for the morning's activities. Kids and CSU students alike thoroughly enjoyed the day and talk of possible ice fishing day was in the air for spring.

With regards to the Chapter itself, the new officers for 1985/86 are:

President.....**Jon Garrison**  
Vice-President.....**Tom Jakobek**  
Treasurer.....**Jerry Berg**  
Secretary.....**Karmen King**

Monthly meetings are held throughout the fall and spring semesters, usually on the second Wednesday of each month. Guest speakers are recruited for each of the meetings; our latest presentation was given by Dave Willis, Kansas Department of Fish and Game, on his work with the use of angler catch data in fisheries management. The Chapter is currently about 30 members strong, including both undergraduate and graduate students. Because we are always seeking to find new and interesting speakers or exposure to new people and ideas, please feel free to stop in at one of our meetings or drop us a line and let us know when you will be in town.

### NATIONAL AFS NEWS

The sun may not always shine in the Sun Valley, but the people do. That was the consensus of the 651 AFS and 205 IAFWA members and about 100 spouses who splashed through the September 9-12 annual meeting. Despite the continuously dripping, overcast skies, Arrangements Committee Chairman **Jim Keating** and his tireless Idahoan hosts never lost their good humor or their enthusiasm. Furthermore, they established a new record of resourcefulness by adjusting for every blow the weatherman had to offer. The barbecue and other outdoor social activities were moved indoors, the opening night mixer was moved under a tent, and the 2nd annual spawning run ignored the weather.

It is quite probable that **Program Chairman Bob White's** outstanding program was helped by the inclement weather. This is not meant to imply that Idaho's fabulous scenery and fishing could have seriously reduced meeting attendance, but there were a few times when the size of the crowd was helped by the severity of the weather outside. This seemed particularly evident during the annual business meeting, which was probably the largest in the Society's history.

During the well-attended 115th annual meeting **Johanna Reinhart** of Ottawa, Ontario, succeeded **Bill Platts** as the Society's President, thus becoming only the third female president in AFS history. Member response to her confident and stimulating inaugural address was enthusiastic and spontaneous. Without question, the Society

is excited by its recent achievements and by the opportunities which lie ahead. Volunteerism is running at an all-time high and the Society's leaders will be severely challenged to keep pace with the member's desire for involvement.

The 1985 Award of Excellence, the highest and most prestigious award presented by AFS, went to **Dr. Lauren R. Donaldson** of Seattle, Washington. **Donaldson**, a 51-year member of the Society, has had an incredible fisheries career which will be reported in more detail in a future issue of FISHERIES.

Toronto, Ontario was the unanimous EXCOM choice for the site of the 1988 annual meeting. Time and Place chairman **Don Duff** reported that an excellent proposal had been received and that AFS would again be meeting jointly with the International Association of Fish and Wildlife Agencies.

Many new jobs are being created by Wallop-Breaux funds. We have no handle on just how many jobs, but three state directors told Carl Sullivan that collectively they are now looking for 63 new biologists. If we use what he believes to be a conservative average of 10 new jobs per state, there will be 500 new fisheries positions in the coming year. That number will undoubtedly increase in subsequent years. The key consideration is how well the states respond to the challenge of spending the new money constructively.

The executive director's job with the International North Pacific Fisheries Commission will be available on January 12. It's an excellent job requiring a degree in biological sciences plus five to ten years of administrative responsibility. For more information write, INPFC, 6640 Northwest Marine Drive, Vancouver, B.C., CANADA, V6T 1X2.

### **EXCERPTS FROM THE EXECUTIVE DIRECTOR'S REPORT - SUN VALLEY, IDAHO**

Our Society has never been stronger or more stable. After 115 years as an orphan, we own our own home, free and clear. Our Permanent Home investment of \$290,000 in contributed funds will enable us to save an estimated three quarters of a million dollars in rent over the next 25 years. The

Society's overall financial operation has been solidly in the black over the past two years, and we have a modest and growing cash reserve to help us through periods of cash-flow problems.

Our scientific publications have shown dramatic improvement in quality, quantity, and diversity. In other areas of scientific informational exchange our growth has been equally phenomenal. Throughout the nation there is a profusion of AFS conferences, workshops, and symposia. Not only do we have this proliferation of scientific meetings, but their content is more detailed and professional than ever before. In national legislation matters our views are solicited by Congress and respected. The new Wallop-Breaux legislation, with state matching, will inject at least 125 million new dollars a year into state fisheries programs. This bill is a direct result of our Society's D-J Expansion initiative. To an important degree it was nurtured through hard legislative times to ultimate success by a host of AFS members who refused to give up. The first money becomes available on October 1, and it will have enormous implications for fisheries science.

In matters of aquatic resource policy AFS has evidenced a constructive influence on fisheries resource decisions at several levels of government, and new opportunities reach our attention daily. Nowhere is this more true than with the changing way in which the U.S. Forest Service and the Bureau of Land Management are viewing the riparian policies. After years of frustration, our PASER program shows promise of providing an important membership employment service, and in the Central Office, our membership and accounting records have been computerized.

Opportunities for member participation and initiative have never been greater. Not only do we have 4 Divisions, 49 Chapters, and 12 Sections, but we have 41 active Parent Society Committees with more than 400 committee members. The collective energy and achievement of this army is having an important aquatic resource impact throughout our nation.

Less we get lost in the euphoria of our successes, let's turn now to some of the

things we have not accomplished. Despite all our efforts, roughly half of the members in 46 of our 49 chapters are still not members of AFS. Within the AFS organizational scheme we have still not achieved acceptance and utilization of our Executive Committee Division Chapter Communication and Reporting Structure. We have not achieved a program of continuing education for members nor have we been able to give professional fisheries scientist certification the higher recognition it deserves. We have not yet been able to effect or afford full computerization of our operation with our own equipment, and our number of journal subscribers remains disappointingly low. Though solutions have not yet been found, we do recognize these unfilled challenges, and with persistence and time will achieve new successes.

## M E E T I N G S

**Streamside Management  
Forestry and Fishery Interactions  
An Interdisciplinary Symposium  
February 12-14, 1986  
University of Washington  
Seattle, Washington**

This three-day meeting will bring together scientists of national stature from academic, industrial and agency backgrounds to present and discuss current knowledge in the area of forestry/fishery interactions. The program consists entirely of invited speakers who will address the topics of channel morphology, sediment, large organic debris, temperature, and productivity. A series of case studies will be presented. The symposium will also include moderated panels of regional policy-makers representing tribes, agencies, and industry to discuss the economics and politics of the forestry/fishery relationship.

For complete program outline and registration materials, please contact:

Diana M. Perl  
Manager of Continuing Education  
College of Forest Resources, AR-10  
University of Washington  
Seattle, Washington 98195  
(206-543-0867)



**Common Strategies of Anadromous  
and Catadromous Fishes  
An International Symposium,  
March 9-13 1986  
Boston, Massachusetts**

This conference will assemble an international group of scientists to examine current knowledge of life history strategies of anadromous and catadromous fishes during critical periods of their life cycles. These fishes rely on freshwater, estuarine and marine ecosystems to complete their life cycles. The goal of the symposium is to identify key similarities and differences in life history patterns, and determine how this knowledge can assist our understanding of the species and accelerate the definition and solution of research and management questions.

The symposium will be organized around four topic areas:

1. Utilization of the freshwater habitat
2. Transition to and from the marine environment
3. Ocean migrations
4. Recruitment mechanisms

Scientists from the United States, Canada, Ireland, Scotland, Mexico, Israel, Japan, New Zealand, and Australia will present papers on several diadromous fishes. Additional information can be obtained from Dr. Michael J. Dadswell, Symposium Chairman, Department of Fisheries and Oceans, Biological Station, St. Andrews, N.B., Canada B0G 2X0, telephone (506-529-8854).

**Annual Review of BPA-Funded  
Anadromous Fish Projects  
March 18-20, 1986**

Holiday Inn Airport, Portland, Oregon.  
For information please contact: S. K. Blair,  
Bonneville Power Administration, Division of  
Fish and Wildlife, P.O. Box 3621, Portland,  
Oregon 97208, telephone (503-230-4982).

**PACIFIC FISHERY BIOLOGISTS  
April 3-5, 1986  
Eureka, California**

The Pacific Fishery Biologists annual conference will be held at the Red Lyon Motor Inn in Eureka, California. The 48th annual even is expected to attract fishery scientists from Alaska, British Columbia, Washington, Oregon, Idaho, California, and Mexico.

Titles and abstracts for papers should be submitted to the appropriate session chairpersons:

**"Ocean Salmon Management"**

Mr. L. B. Boydstun (916-355-7045)  
California Dept. Fish and Game  
1701 Nimbus Rd, Suite B  
Rancho Cordova, CA 95670

**"Cumulative Impacts of Hydroelectric  
Projects"**

Mr. Jeff Kershner (916-622-5061)  
U.S. Forest Service  
100 Forni Road  
Placerville, CA 95667

**"Groundfish Management"**

Dr. William Lenary and Ed Verber  
(415-435-3149)  
National Marine Fisheries Service  
Tiburon Laboratory, 3150 Paradise Drive  
Tiburon, CA 94920

**"Salmon Management - Wild Stocks"**

Mr. Steve Cramer (503-754-4431)  
Rogue River Salmonid Study  
Oregon Department of Fish and Wildlife  
303 Extension Hall  
Oregon State University  
Corvallis, OR 97331

**"Habitat Preference - Direct  
Observation"**

Dr. Terry Roelofs (707-826-3953)  
Department of Fisheries  
Humboldt State University  
Arcata, CA 95521

**"Shellfish Cultivation"**

Mr. Emil Smith (916-445-8386)  
California Dept. of Fish and Game  
1416 Ninth Street  
Sacramento, CA 95814

**"Salmon Management - Hatchery Contributions"**

Mr. Jim Lichatowich (503-229-5675)  
Oregon Dept. of Fish and Wildlife  
P.O. Box 3503  
Portland, OR 97208

**"Woody Debris in Salmonid Streams"**

Mr. James Sedell (503-757-4388)  
U.S. Forest Service Forestry Science Lab  
3200 S.W. Jefferson Way  
Corvallis, OR 97331

**"Coastal Steelhead"**

Mr. Don Kelly (916-663-4271)  
P.O. Box 634  
Newcastle, CA 95658

Further information concerning the conference is available by contacting Mike Mainz, California Department of Fish and Game, 1701 Nimbus Road, Rancho Cordova, CA 95670, (916-355-7030).

**The Fifth Trout Stream Habitat Improvement Workshop**

**August 11-14, 1986**

**Lock Haven University,  
Lock Haven, Pennsylvania**

The Fifth Trout Stream Habitat Improvement Workshop, hosted by the Pennsylvania Fish Commission, will be held on August 11-14, 1986, at Lock Haven University, Lock Haven, Pennsylvania. This workshop, held every two years in different locations in North America, is intended to give State, Federal, and private fishery workers an opportunity to discuss and review the techniques of improving and/or repairing trout stream habitats. Major subject items which will be considered for papers include, but are not limited to the following: Planning and Design, Bioengineering, Construction and Maintenance, and Biological Assessment.

The deadline for submitting abstracts for papers or poster sessions is 1 February 1986; titles should be submitted by 15 December 1985.

Send titles and abstracts to Jack G. Miller, Pennsylvania Fish Commission, 450 Robinson Lane, Bellefonte, PA 16823-9616.

Anyone desiring preliminary programs and advance registration information should send their name and mailing address to the above location by 1 April 1986.

**Second Call for Papers  
116th Annual AFS Meeting**

**Biltmore Plaza  
Providence, Rhode Island  
September 14-16, 1986**

The Program Committee has adopted the following theme: **Basic Science and Effective Fisheries Management: Bridging the Gap.** To demonstrate how this gap might best be bridged, we have invited Dr. William C. Leggett (McGill University) to present the keynote address. To complement his presentation and to further explore our theme, we have solicited symposia that show how basic research approaches can provide insight into applied problems in fishery biology. Symposium topics (listed with their primary organizer) already planned for 1986 that speak directly to this issue are as follows:

**Creative approaches to fishery science.** Organized by James F. Kitchell (Center for Limnology, University of Wisconsin, Madison, WI 53706) and Larry B. Crowder (NC State University, Raleigh, NC).

**Community ecology and fisheries biology: can we be predictive?** Organized by Frank Rahel (Department of Zoology and Physiology, University of Wyoming, Laramie, WY 82071).

**Understanding fish: physiology and its applications.** Organized by Carl B. Schreck (Oregon Cooperative Fishery Research Unit, Oregon State University, Corvallis, OR 97331).

**Genetics and fisheries: today and tomorrow.** Sponsored by the Introduced Fish Section. Organized by David P. Phillip (Illinois Natural History Survey, 607 East Peabody Drive, Champaign, IL 61820).

**Micro-Fish I: Stock Dynamics.** Fishery analysis and quantitative ecology: current concepts and integrated approaches. Sponsored by the Marine Fisheries and

Computer Users sections. Organized by Elizabeth F. Vetter (Southwest Fisheries Center/NMFS, P.O. Box 271, La Jolla, CA 92038).

**Micro-Fish II: Hatchery Applications.** Microcomputers in bioengineering and fish culture. Sponsored by the Fish Culture, Fish Management, Bioengineering, and Computer Users section. Organized by William P. Rutledge (Texas Parks and Wildlife, 4200 Smith School Road, Austin, TX 78744).

**Little fish and big numbers: Do early life history events govern population dynamics?** Sponsored by the Early Life History Section. Organized by Joan Holt (Marine Science Institute, Port Aransas Marine Laboratory, Port Aransas, TX 78373).

**Human perspectives in fisheries management.** Organized by James M. Acheson (Department of Anthropology, University of Maine, Orono, ME 04473).

**Fish behavior: assessing sublethal effects of toxicants.** Organized by Mary G. Henry (Fish and Wildlife Service, 1451 Green Road, Ann Arbor, MI 48105).

In addition to these symposia, we have scheduled more general sessions dealing with the topics listed below. Though not explicitly related to the meeting theme, we believe they will attract large audiences and stimulate meaningful interaction between participants and attendees.

**Anoxia in coastal waters: how are living resources affected?** Sponsored by the Water Quality Section. Organized by John B. Pearce (Northeast Fisheries Center/NMFS, Woods Hole Laboratory, Woods Hole, MA 02543), Lawrence R. Swanson (NOAA, Stony Brook, NY), and Carl J. Sinderman (NMFS, Sandy Hook, NJ).

**Fisheries policy and legislation: understanding the processes.** Organized by John L. Dentler (Committee on Merchant Marine and Fisheries, H2-543 H.O.B. Annex #2, Washington, DC 20515).

**Supply side fisheries: assessing prey availability to predators.** A contributed

paper session to be organized by John J. Ney (Department of Fisheries and Wildlife Sciences, VPI and SU, Blacksburg, VA 24061).

We also are specifically interested in contributed presentations in the following areas: applications of experimental research to real-world problems, field hypothesis testing, integration of life history tactics with population dynamics, behavioral ecology, physiological ecology, ecological theory and modeling, and mechanistic studies of all aspects of individual, population, community, and systems ecology. Because of limited meeting facilities, our number of concurrent sessions will be restricted as will the number of papers that can be scheduled. Because of this, poster presentation is strongly encouraged. Posters will be exhibited in a centralized area that will attract a large audience. All posters will be available for viewing for a full day with a scheduled time for the author's presence.

To encourage participation, the Awards Committee within AFS provides cash prizes of \$450 for the best student presentation and the best student poster (a new award). To qualify, contributors must be both an AFS member and a student at the time of abstract submission.

Proposals for symposia or organized contributed paper sessions should have been received by 1 December as per instructions in the First Call for Papers. However, if immediate telephone contact is made with the Program Chair, addition submissions will be considered through 15 January 1986, our final deadline. Titles and abstracts for poster and contributed paper sessions will be accepted until 15 January 1986. For additional information, contact Roy A. Stein, 1986 Program Chair, Department of Zoology, 1735 Neil Avenue, The Ohio State University, Columbus, OH 43210, telephone (614-42207826 or 422-8088).

## WESTERN DIVISION

### 1985 Annual Meeting

The Western Division held its Annual Meeting with the Western Association of Fish

and Wildlife Agencies 15-19 July at Snowmass, Colorado. As a result of program changes made necessary by our co-host, WDAFS held fewer technical sessions than planned. Emphasis was on a joint session format in which speakers made presentations on a topic, and were then questioned by a panel. When time permitted, questions were also taken from the audience. **Carl Sullivan** and President **Bill Platts** were among AFS panel members. The format received good response from the audience.

At the banquet, the Division presented four awards. The Chapter of the Year went to the **Colorado-Wyoming Chapter**. The Robert L. Borovicka Conservation Achievement Award went jointly to the **Uintah National Forest, Utah Division of Wildlife Resources, Upper Colorado River Region of the Bureau of Reclamation, Salt Lake Office of the Fish and Wildlife Service, and the Stonefly Society of Trout Unlimited** for efforts to protect and enhance fish resources in the Central Utah Project. Award of merit went to **William Geer** for innovative fisheries management planning, **Barry Nehring** for work with trout, and to **Dan Mulcahy** for work on fish diseases. The Award of Excellence went jointly to **Keith Jefferts** and **Peter Bergman** for development of the coded wire tag and other labelling and tracking techniques.

**CALL FOR PAPERS - 1986 Annual Meeting**  
**Portland, Oregon - Hilton Hotel**  
**July 21-23, 1986**

The following tentative program topics have been selected and are open for submission of papers by potential speakers. Abstracts (2 paragraph maximum) and audio-visual needs should be submitted to **Don Martin**, 1986 Program Chairman, Rt. 1 Box 84, Star, Idaho 83669 (home phone: 208-286-7503 or office 208-334-1450) OR to the following session chairs no later than February 15, 1986:

**Topics and Session Chairs**

**Ethics of Fish & Wildlife**

**Professionals.....**

Peter Bisson (206-924-6329)

Weyerhaeuser Co.

Technology Center-WTC 1A2

Tacoma, Washington 98477

**Economics of Coho Troll vs. Sport Fisheries..**

Bob Phillips (503-221-3350)

P.O. Box 3623

Portland, Oregon 97034

**Outthroat Trout**

Jack Griffith (208-236-2116)

Department of Biology

Idaho State University

Pocatello, Idaho 83201

**The Pros and Cons of Upriver Stocks**

Bill Platts

316 East Myrtle

Boise, Idaho 83702

(208-334-1457)

**Limiting Habitat Factors on Smolt Production**

Fred Everest (503-757-4390)

3200 Jefferson Way

Corvallis, Oregon 97331

**Can Fisheries Survive Nonpoint Source Impacts?**

Don Martin

address above

**Sport Fish Economics**

Don Martin

address above

**Miscellaneous Contributed Papers**

Don Martin

address above

**1985/86 EXECUTIVE COMMITTEE**

**Anthony Novotny.....President**

1919 E. Calhoun, Seattle, WA 98112

(206-442-0856/ FTS: 399-0856)

**Don Martin.....President-elect**

Rt. 1, Box 84, Star, ID 83669

(208-334-4251)

**Al Mills.....Vice-President**

615 E. Center St., Orem, UT 84057

(801-377-5780)

**Neil Armantrout.....Past-President**

P.O. Box 10582, Eugene, OR 97440

(503-687-6810, FTS: 425-6810)

**Don Duff.....National Nominating**

Committee Representative

USFS, Division of Fish and Wildlife

324 35th Street, Ogden, UT 84401

## COMMITTEES

A good way to become involved in issues of interest to the WD is to participate on one or more committees. If you would like to help, or need some help, contact the committee chair, personally or use the form on the last page of this newsletter.

### AUDIO-VISUAL/I & E

Daniel Crannell, 540 N.W. 9th,  
Corvallis, OR 97330 (503-753-7291).

If you need help in preparing written or visual materials, this Committee will be glad to help.

### AUDIT

Cay Goude, President California/Nevada  
Chapter, 10685 Jackson Road, Sacramento, CA  
95826 (416-978-4613).

The Audit Committee audits the Western  
Division records each year prior to the  
annual meeting.

### AWARDS

Neil Armantrout, Immediate Past-  
President, WD/AFS, P.O. Box 10582, Eugene,  
OR 97440 (503-687-6810), and Al Mills, Vice-  
President, WD/AFS, 615 E. Center Street,  
Orem, UT 84057 (801-377-5780).

Nominations are sought for the following  
awards to be presented at the annual meeting:

Chapter of the Year Award  
Award of Excellence  
Award of Merit  
Conservation Achievement Award

We have included a convenient form for  
your nomination in this issue of the  
TRIBUTARY.

### BY-LAWS

Robert White, Montana Coop. Unit,  
Biology Dept., Montana State University,  
Bozeman, MT 59717, (406-994-3491).

This Committee recently revised and  
updated the Chapter By-Laws, with changes

approved at the last annual meeting. The  
Committee reviews and recommends updates, as  
needed.

### ENDANGERED SPECIES

Dr. Jack Williams, Endangered Species  
Office, USFWS, 1230 N. Street, 14th Floor,  
Sacramento, CA 95814, (916-440-2791).

The Endangered Species Committee has  
monitored the status of native species  
throughout the Western Division, producing a  
status report every two to three years.

### HABITAT INVENTORY PROCEDURE STANDARDIZATION

Dr. William Helm, Dept. Wildlife  
Resources, Utah State University, Logan, UT  
84322, (801-750-2543).

### MARINE FISHERIES

Dr. Mike Laurs, National Marine  
Fisheries Service, P.O. Box 271, La Jolla, CA  
92038.

The Marine Committee helps organize  
technical sessions at the annual meetings.  
The Committee has been asked to keep the  
WDAFS informed on marine issues, and to take  
a lead role in relations with biologists in  
the Pacific Islands.

### MEMBERSHIP CONCERNS

Del Skeesick, 3733 Greenwood, Eugene,  
OR 97404, (503-687-6563).

The main function of this committee is  
to work with AFS members at the Division  
level to ascertain the changing needs and  
interests of the membership, and report this  
information to the Western Division EXCOM.

### NEWSLETTER

Howard Raymond, 2811 N.E. 185th,  
Seattle, WA 98115 (206-442-4445, FTS  
399-4445).

Please send him meeting reports,  
newsletters, comments, and any news items.

### NOMINATING

Neil Armantrout, Immediate Past-President, WD/AFS, P.O. Box 10582, Eugene, OR 97440 (503-687-6810).

The Committee solicits nominations and selects people for Western Division officers. Committee members are needed to assist in nominations. The Committee is also requesting nominations for officers in the Western Division for 1986. Nominations in 1986 are sought for **First Vice-President, Secretary-Treasurer, National Nominating Committee Representative.**

### PROGRAM

Don Martin, President-Elect, WD/AFS, Route 1 Box 84, Boise, Idaho 83669, (208-334-4251), and Gordon Haugen, 21543 S.W. 98th, Tualatin, OR 97062, (503-221-2407).

### PUBLIC LANDS

Dave Cross, CS&KT, Lower Flathead System Fisheries Society, Box 96, Pablo, MT 59855 (406-675-4600, ext. 366).

### RESOLUTIONS

Dr. John Peters, 8MM-SP, EPA, 1860 Lincoln St., Denver, CO 80295, (FTS 564-4964).

If you wish to submit a resolution for consideration at the 1986 WDAFS annual meeting, we would like to have them sent to the Resolutions Committee or the Executive Committee before 1 April 1986.

### RIPARIAN

Bruce H. Smith, 2403 Victor Road, Rock Springs, WY 82901, (307-382-5350).

The past several years the Riparian Committee has monitored riparian management by state and federal agencies.

### STUDENT CONCERNS

Debbie Konhoff, P.O. Box 684, Arcata, CA 95521, (707-442-8469).

The Student Concerns Committee has been asked to look at ways to involve students more in Division activities.

### TIME AND PLACE

By mutual agreement, the Western Division meets jointly with the Western Association of Fish and Wildlife Agencies. Meetings are rotated among states on a fixed schedule. Members of this Committee work with local fish and wildlife agencies in picking meeting sites and making arrangements for the meetings. Contact the following committee chairperson to assist with the forthcoming meeting in your area.

Oregon - 1986: Kirk Beinnigen, 15080 S.E. Laurie Ave., Milwaukie, Oregon 97222

Utah - 1987: Bill Helms, (Program Chairman) 615 E. Center St., Orem, Utah 84057, (801-377-5780)

New Mexico - 1988: Buddy Jenson, P.O. Box 217, Dextor, New Mexico 88230, (505-734-5910)

Washington - 1989: Jim Walton, 333 Viewcrest, Port Angeles, Washington, (206-452-9277)

### TRADE SHOW

Stan Smith, 1438 N.E. Odin St., Poulsbo, WA 98370.

The 1985 Trade Show at the WD/AFS annual meeting was very successful for both the Division and the exhibitors. We have a very large room for the 1986 Trade show. Please contact Stan if you can help on this Committee, or know of interested or potential exhibitors.

(Continued on back cover)

RETURN TO: Any Division Officer  
or to the appropriate  
Committee Chair

COMMITTEE MEMBERSHIP REQUEST

I would like to assist the following Committee(s):

Audio-Visual/I&E _____	Audit _____
Awards _____	By-Laws _____
Endangered Species _____	Habitat Inventory Standardization _____
Marine Fisheries _____	Membership Concerns _____
Newsletter _____	Nominating _____
Program _____	Public Lands _____
Resolutions _____	Riparian _____
Student Concerns _____	Time and Place _____
Trade Show _____	Water Development and Stream Flow _____

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

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

WESTERN DIVISION  
AMERICAN FISHERIES SOCIETY  
AWARD NOMINATION FORM

AWARD: Excellence \_\_\_\_\_ Outstanding Chapter \_\_\_\_\_  
Conservation Achievement \_\_\_\_\_ Student of the Year \_\_\_\_\_

Nominee: \_\_\_\_\_

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

NOMINATION STATEMENT: Attach a typed statement explaining why this individual or agency is deserving of an award. Please explain fully the accomplishments or series of career accomplishments that distinguishes this nominee. Include information on other awards and honors received, AFS offices held, etc. Attach any pertinent news clippings, letters, or documents.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

**WATER DEVELOPMENT AND STREAM FLOW**

Dudley W. Reiser, Bechtel Group, Inc.,  
50/15/C8, Box 3965, San Francisco, CA 94119,  
(415-768-2135) and Tom Wesche, Wyoming Water  
Research Center, Box 3067, University  
Station, Laramie, WY 82071, (307-766-2145).

This Committee recently completed a  
draft position paper on Small Scale Hydro,  
and has been active in minimum stream flows.

**EDITORS NOTE.**—My apologies for the delay.  
There were a few obstacles, notably: Seattle  
decided to have its worst November snowstorm  
of the century; key personnel left with no  
replacement (leaving a loaded up typing pool  
and printing office); and to reduce postage  
costs, I applied for a permit to mail as a  
non-profit organization (it finally arrived  
on December 1). I hope as a result, this  
issue will not get bogged down in the  
Christmas mail and you receive it soon. **HAVE  
A HAPPY HOLIDAY EVERYONE!**



**THE TRIBUTARY**

Newsletter of the Western Division,  
AMERICAN FISHERIES SOCIETY  
c/o Howard L. Raymond, Editor  
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Seattle, WA 98155

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