



# THE TRIBUTARY

MAY  
1985

A Newsletter of the Western Division,  
American Fisheries Society

Volume 10  
Number 2



*American Fisheries Society*  
*Western Division*

## P R E S I D E N T ' S   C O R N E R

Many issues of importance to fisheries biology are currently before State and Federal legislatures. We should all actively work on seeing good bills passed and bad bills defeated. One of the easiest and most effective things you can do is to write or call your Senators and Congressmen and women, and express your opinions. Several of the Chapters have been working with State legislatures on bills, especially riparian protection bills. All involved agreed more involvement is needed from other Chapter members. In a recent polling of AFS members, the most common request was for AFS to be more active in the political arena. The best place to begin is with each of us becoming more involved in the political process.

Tony Novotny, Paul Cuplin, and Mit Parsons put in a lot of extra effort in organizing this year's annual meeting. They have been able to put together a good meeting. Tony is the program chair, while Paul and Mit have helped with local arrangements and acted as invaluable co-chairpersons. The program will be different than we're used to, with more joint sessions and fewer technical sessions. This has caused some concern.

As many of you are aware, we've had some disagreement with the Western Association over this year's annual meeting. They wished to reduce the number of concurrent sessions. Meeting space was not available to us for more than one session at a time. We

looked into the possibility of arranging our own meeting space, but were told another organization would be meeting at the same time, so additional meeting space was not available. As a result, we will be holding fewer technical sessions than at past annual meetings.

Some of the concurrent and joint sessions promise to be very lively, with spokespersons on both sides of major issues presenting their side, and then being questioned by persons knowledgeable on the issues. Topics include riparian management, water policies, timber management, and the political process in fish and wildlife management. The Western Division helped to shape both the sessions and participants. Speakers and questioners include Carl Sullivan, Jay D. Hair, of the National Wildlife Federation, AFS President, Bill Platts, and other leaders from the environmental field, government, business and resource users. We will be holding concurrent sessions on several topics, with a major update on the Colorado River fishes. While the program may be different from what we have been used to in recent years, I think it will be well worth attending.

One of the major benefits of being a Division Officer is the opportunity to meet and work with members throughout the Western United States, Canada, and Mexico. I have been impressed with the caliber and dedication of our members. I think members would be impressed with how much AFS is doing. With their almost non-existent budgets, all units have many accomplishments

in all aspects of fishery work, using the time and enthusiasm of members to reach their goals. I look forward to a continuing association with you as we work to protect and improve our aquatic resources.

## CHAPTER NEWS

### **NORTH PACIFIC INTERNATIONAL (NPIC)**

The seventh annual meeting of the NPIC was held at Peninsula College, Port Angeles, Washington, on March 25-27, 1985. The Chapter general meetings, technical sessions and workshops usually rotate between British Columbia and Washington, with attendance varying between 150 and 400. There are presently 530 Chapter members with 130 Canadian and 325 American members of the parent society. Nearly 165 registrants attended the 1985 meeting.

The Theme was "Fisheries Tools for the Future." The lead session began with legislative processes in B.C. and Washington, issues and pending legislation in Washington State and, of course, the very recent U.S./Canada Salmon Treaty. Technical sessions included topics on microcomputers, hydroacoustics, mariculture, lake and reservoir research, salmonid migration, spiny-rayed fish management, wild salmon and hatchery salmon conflicts and wild steelhead and hatchery steelhead co-management. Including contributed papers, nearly 70 presentations were given in two and one-half days of concurrent sessions (abstracts are available). A "concurrent" workshop was held on the principles, techniques and safety of electro-fishing and was fully subscribed. This was a first attempt at hosting of what is hoped will be a series of technical work sessions providing yearly up-dates on rapidly developing technologies.

Our Program Chairman and Host, Dr. James Walton, provided the first night's pleasant entertainment through arrangements with the College music program—this also was a first for the Chapter. At the annual banquet, Anthony Netboy, well-known author on salmon, presented a very provocative and historic

look at the bio-engineering that went into a major number of Columbia River dams. Students presenting papers at the meeting were recognized with honorariums with the best paper given by Scott Bonar on the topic of, "Evaluation of Ploidy Separation Techniques for Grass Carp." The Haig-Brown Memorial Award for the person(s) writing the best non-technical article on any aspect of fishery management, research, habitat protection, enhancement or other related field during the previous year was not presented in 1985, although three nominations were evaluated. Previous winners include, Barry Thornton (B.C.), Claire Dyckman (WA), and the Salmonid Newsletter (B.C.). An award given to deserving local society members, aptly called the "Worthy Coelacanth Award," this year went to Dr. Bill Royce. Dr. Peter Larkin, the first recipient, kept with "tradition" and, through a second party, indicated Bill now had time to truly reflect on this Chapter's "Award-of-Excellence!"

The NPIC members passed a resolution to change their terms of office to coincide with the parent society. The new officers will begin their terms in August, but the NPIC will still hold their annual meetings in the first quarter of the year. Chapter officers elected for the August, 1985 to August 1986 term were: Jim Walton (Wa.), President; Jeff Cedarholm (Wa.), President-Elect and Program Chairman; Thom Johnson (Wa.), Secretary-Treasurer; Gary Thomas (Wa.), Internal Director and Newsletter Editor; and Brent Lister (B.C.), External Director. The Wallop-Breaux Fund Resolution was passed and recognition was given to Don Chase for his role in helping to establish the society's Computer Users Group. Continuing effort of Bob Steelquist was applauded in regard to draft legislative concerns for riparian management in Washington. The Canadian Federal Minister of Fisheries, by letter, was congratulated for his efforts in aiding in the culmination of the Canada/U.S. Salmon Treaty. The Minister was asked, however, to explain publicly the initial allocation of chinook salmon and what various users could expect in terms of quotas.

Washington members will host the 1986 Chapter meeting next Spring. This will allow

the new Executive to have the potential to act locally on legislative initiatives. The 1987 meeting will rotate to British Columbia.

**DR. THEODORE H. BLAHM - 1933-1985**

Dr. Theodore ("Ted") H. Blahm (NPIC) died on April 2, 1985, after a long illness. Ted was a fishery research biologist and manager of the Habitat Investigations Task of the Coastal Zone and Estuarine Studies Division at the National Marine Fisheries Service', Northwest and Alaska Fisheries Center in Seattle.

Ted was an AFS member for almost 25 years, and we can well remember him extolling the virtues of being a member of the American Fisheries Society, and talking us into joining the AFS. Ted was always a strong supporter of the AFS, and was especially helpful in getting the North Pacific International Chapter off to a good start.

Ted will be sorely missed by those of us who were fortunate enough to have spent many years working on the Columbia River with him, and by the biologists and staff who worked for him on his most recent projects. He will be missed by his family, who suggest that any donations in remembrance of Ted be given to the Millionaire's Club Charity in Seattle.

**DICK MYHRE** (NPIC), 20 year AFS member, will retire this month after 37 years with the International Pacific Halibut Commission.

**PROFESSOR ERNIE SALO** (NPIC), an AFS member for 23 years, will retire from the University of Washington School of Fisheries at the end of this quarter. There must be a thousand of Dr. Salo's ex-students in AFS who might want to wish him well (he probably endorsed more AFS members than anyone in his Chapter). There will be a retirement party in Seattle on Tuesday, May 28. Please contact Dr. Ken Chew, (206) 543-4290 if you want to attend.

The Western Division wishes both Ernie and Dick Myhre a good summers rest and then become active AFS "retirees" in the fall! We can always use the help of experienced hands.

**OREGON CHAPTER (OC)**

Over 300 people attended the annual meeting on January 23-25 at Salishan. Fifteen sessions covered all aspects of fish biology, management and politics. Of particular interest were sessions concerning grazing on public lands and protection of riparian areas. We were fortunate to have the participation and insight of both Carl Sullivan and Bill Platts. New officers elected were: President-Elect - John Anderson; Vice-President - Dave Heller; Secretary/Treasurer - Doug Cramer; External Director - Carl McLemore; Internal Director - Craig Ely.

Fisheries Worker of the Year was awarded to Jim Martin, Program Manager of Harvest Management for ODFW. Jim initiated the Positive Action Committee to facilitate communications between legislators, fishermen and biologists. He played an important role in the US/Canada Salmon Treaty. Jim has worked hard for wild stock restoration and coordination of coastal fisheries.

Awards of merit were presented to Barry McPherson, ODFW Research Biologist for his work above and beyond the call of duty as chairman of the Water Resources Committee, and the Lincoln City Chapter of NW Steelheaders for habitat enhancement work.

The first annual Bill Wingfield Memorial Award for fish culture excellence was presented to Gene Morton, retired ODFW hatchery manager. Gene made several outstanding contributions as a fish culturist, writer and inventor and may show some promise as an after dinner speaker. The Chapter was honored to have Gertie Wingfield present to give the award to Gene.

For the first time, OC charged an extra fee. They also signed up 14 new members at the registration desk. OC made around \$300 on the raffle and generally came out in the black for the meeting. Barry McPherson walked off with several photo contest awards as well as the main raffle prize. Dave Buchanan did win the black and white photo award and Jeff Zakel took a prize for colored slides.

**IDAHO CHAPTER**

The annual meeting was held on March 7-9 in Boise, Idaho. The first day was a joint session with the Wildlife Society on the topic of riparian management. Riparian speakers included private and Federal land managers. The remainder of the annual meeting was dedicated to concurrent sessions on fish culture and other fisheries management topics. Of special interest was a workshop on the dwindling chinook salmon populations of the Snake River.

Awards were given to Harv Forsgren, Douglas Ramsey, and Terrence Terrish for their well prepared papers. Jack Griffith was awarded for his dedicated performance on the Idaho Health and Welfare task force studying silvicultural non-point source pollution. Herb Pollard was given an award for putting together an excellent auction which helped boost the Chapter's year end balance by about \$1,800.

At the business meeting the Chapter agreed to put together an "Olympics" for the Parent Society meeting in Sun Valley this September. Registration at the 1986 meeting will cost non-members of the Parent Society \$20 in addition to the normal registration fee. The added fee will increase to \$32 in 1987; both charges exclude special groups such as guests and students.

**COLORADO-WYOMING CHAPTER**

The Colorado-Wyoming Chapter of the American Fisheries Society capped another productive year with the annual meeting in Laramie, Wyoming, on March 20 and 21. Over 180 people registered for the meeting, and total annual membership is expected to reach 210. There were 33 papers presented at this meeting. Program committee chairman, Bob Wiley, and his committee arranged an outstanding program featuring sessions on acid rain, reservoir sampling techniques, fish culture, methods of assessing the quality of sport fishing, poster displays, general contributed papers, and guest presentations by Bob Schoning and Bill Platts. Best overall paper award went to Bob Stuber, U.S. Forest Service, for "Use of

habitat model to evaluate stream habitat improvement." Warren Mischke, Wyoming Game and Fish, presented the best fish culture paper, "Sterilization of fish for management purposes," and Roger Schneidervin gave the best student paper, "The zooplankton resource at Flaming Gorge Reservoir."

The Chapter's award of excellence this year went to Barry Nehring, Colorado Division of Wildlife, for his continuing contributions towards better wild trout management on Colorado's "Blue Ribbon" and "Gold Medal" trout waters. Barry's nomination will be forwarded to the Western Division American Fisheries Society for their consideration.

Kerry Connell, Wyoming Game and Fish, was also honored with the infamous "Leaky Boat" award for his outstanding contributions to Wyoming's fisheries through his finely developed art of aerial fish planting over coniferous forests.

Aside from the annual meeting, the Aquatic Issues Committee chaired by Bob Erickson was very active this year. A strong statement was made to the Colorado Wildlife Commission regarding impacts of their bait minnow regulations on endangered and threatened fishes of the Colorado River. Several resolutions were also passed concerning grazing programs and fisheries programs on public lands. A sub-committee chaired by Mit Parsons was instrumental in initiating efforts to pass riparian land protection legislation in Colorado. A coalition of conservation interests, land management agencies, and land users has been formed; and the legislation will, hopefully, become a reality in 1986. A resolution was also passed on this issue. A basis of this legislation would be to restore their stream zones.

The Wyoming Citizens Instream Flow Initiative, the first successful initiative of its kind in Wyoming's history, will be on the general election ballot in 1986. (We hope to have an "in-depth" report on this for the "Tributary" this fall).

The publications committee chaired by Bob McDowell put out another fine volume of

the Chapter's proceedings covering papers at the 1984 meeting. Eighty-six copies were pre-sold at the 1984 meeting, and approximately 40 extra copies were printed for public sale. Excellent coverage of the Chapter's proceedings in Sport Fisheries Abstracts has made much of the fine work done in Colorado and Wyoming available to other fisheries workers nationally.

Efforts by our membership committee were reduced intentionally this year due to outstanding efforts in 1982-1984. American Fisheries Society President, Bill Platts, and Chapter President, John Baughman, both encouraged Chapter members to join the parent society as per Carl Sullivan's "suggestion" in the December 28, 1984 "AFS Diary."

Newsletter editor, Mary McAfee, put out four issues of the "Angler" since the 1984 annual meeting. Mary will be putting together one more issue before a yet-to-be-found replacement takes over. Robin Knox again handled our bulk mailing needs from Denver.

The Chapter also sent letters to the White House and all the senators and representatives in Colorado and Wyoming soliciting support for release of Wallop-Breaux funds. Two responses were received (Don Schaeffer, Colorado; Malcom Wallop, Wyoming).

New officers for 1985-1986 (beginning August 1, 1985) will be President - Tom Powell, Colorado Division of Wildlife; President-Elect - Dick Kroger, Wyoming, Bureau of Land Management; and Secretary/Treasurer - Jim Sartoris, Colorado, Bureau of Reclamation.

#### ALASKA CHAPTER

There is an excellent synopsis of the annual meeting of the Fall 1984 Alaska Chapter in the most recent issue of "FISHERIES." Tony Novotny reports that the enthusiasm of this Chapter cannot be overstated! The Alaska Chapter is sponsoring two, one-week statistical courses in Anchorage this month, will attempt to sponsor

a technical writing course this fall, and possibly a computer applications course (contact: Randy Bailey, USEWS, 1011 E. Tudor Rd., Anchorage, AK 99503). Christopher Estes (ADF&G) will be the first chairperson of a new Riparian Habitat Committee for the Chapter. Any Western Division member who can offer Chris advice should call him at: (907) 274-7583. Jim Reynolds (Fish. Coop. Unit, U of AK, Fairbanks, AK 99701) is now the official Alaska Chapter Historian. Any members who may have past Chapter material that could be of historical interest should contact Jim.

The 1985 meeting will be held in Kodiak, November 18-22, and Bill Wilson (AEIDC-U of AK, Anchorage, AK 99501), program chairperson is announcing a first call for papers. You can also call Bill at (907) 279-4523. The 1985 officers are: Carl Burger, President; Bill Wilson, President-Elect; Kelley Hepler, Secretary-Treasurer; and Kurt Kerns, Past-President. Lou Carufel is the editor of the Chapter Newsletter, "Oncorhynchus".

#### GRAZING FEES ISSUE

The Oregon Chapter, at its annual meeting 23-25 January 1985, unanimously adopted eight resolutions which bear directly on federal policy for grazing of privately owned livestock on publicly owned land. These resolutions are especially pertinent at this time because the Public Rangelands Improvement Act (PRIA) grazing fee system is presently under review by federal land management agencies, with recommendations due from the secretaries of Interior and Agriculture to the United States Congress this year.

It was noted that the relationship between livestock grazing and the deterioration of publicly owned soil, water, and fish and wildlife resource base has been firmly established over many decades. Many chapter members feel that sensible management options exist where much publicly owned rangeland can support both livestock and valuable fish and wildlife resources, with a significant increase in return to the U.S. Treasury from both sectors of the economy.

The eight resolutions addressed the grazing fee formula established by PRIA, federal range improvement funds, District Grazing Advisory Boards, the Experimental Stewardship Program and Cooperative Management Agreements, Federal Reservation or the Winters Doctrine (water use), the economic value of fish and wildlife on publicly owned lands, and accounting for costs or losses of fish and wildlife resources in the formation and execution of publicly owned rangeland management policy.

The resolutions were sent to the Oregon Congressional Delegation, the Secretaries of Agriculture and Interior, Chief of the Forest Service, Director of the Bureau of Land Management, the Office of Management and Budget (David Stockman), Senator McClure, and James "Smokey" O'Connor. These resolutions will be incorporated into the PIRA review process.

Not only is this an important issue for the Oregon Chapter, but for all chapters in the Western Division as well as other Divisions and the National Organization. The Oregon Chapter would hope that other Chapters act on this pressing issue. Chapters or individuals requesting information or copies of the resolutions should contact:

James W. Buell, Chairman  
 Subcommittee on Grazing Fees  
 Route 3, Box 706  
 Beaverton, Oregon 97007  
 (503) 649-9205

or

Don Ratliff, President  
 Oregon Chapter American Fisheries  
 Society  
 P.O. Box 710  
 Madras, Oregon  
 (503) 475-2100

The Western Habitat Committee has completed the 35 mm Slide/Audio Tape Program entitled, "Management and Protection of Western Riparian Stream Ecosystems."

This set is available on loan from the Western Division or can be purchased for \$140 per copy. This is a 20-25 minute

presentation of excellent material for the high-school science teachers. The original audio/visual sub-committee chairperson for this project was Ron Remmick (Colorado-Wyoming Chapter), and all those who have served on this sub-committee deserve a round of applause from the Western Division. One set will be sent to the parent AFS Bethesda Office. Copies can be borrowed or purchased by contacting: Gordon Haugen, 21543 S.W. 98th, Tualatin, Oregon 97602. Tel: (503) 221-2407 or FTS 424-2407.

### MEETINGS

There will be a joint meeting of the AFS Fish Health Section and the Western Fish Disease Conference at the downtown Seattle Sheraton Hotel (6th and Pike) on July 30-31 and August 1, 1985. For complete information contact Dr. John Majnarich, Biomed Research Labs, 1115 E. Pike Street, Seattle, Washington 98112, (206) 324-0380 or Kevin Amos, Washington Department of Fisheries, Olympia, Washington 98504, (206) 754-2825. For any last minute papers or presentations, contact Dr. Trevor Evelyn, F&O, Pacific Biological Station, Nanaimo, British Columbia, CANADA V9R5K6, (604) 756-7066.

First call for papers - 1986 WDAFS/WAFGA Meeting at the Hilton Hotel in Portland, Oregon, July 21-23, 1986. Topics for papers thus far include, Marine Fish, Cutthroat Trout, Aquaculture, and Columbia River Fishes. Contact Don Martin, Route 1, Box 84, Star, Idaho 83669, (208) 334-4251, or Gordon Haugen, 21543 S.W. 98th, Tualatin, Oregon 97602, (503) 221-2407 or FTS 423-2407.

### A F S ANNUAL MEETING

Arrangements chairman Jim Keating advises that Global Travel Agency of Boise, Idaho will be coordinating travel for the September 1985 AFS Annual Meeting in Sun Valley. To take advantage of SPECIAL "space available" rates, Jim suggests you call Global Travel as soon as possible, (1-800-336-0236). They can help also on car

rentals, tours, and housing other than at Sun Valley Lodge, (reservations for rooms and condos at Sun Valley should be booked directly with their reservation office). An advance mailing, including travel and housing information and preliminary agenda, will be going out to all members on or about April. Watch for it and make your plans early. The usual pre-meeting mailing complete with program, etc., will go out in May or early June.

AFS 2ND VICE-PRESIDENT CANDIDATES

The National Nominations Committee has selected Howard Tanner (Michigan Chapter) and Bob White (Montana Chapter) as the candidates for the office of 2nd Vice-President of the parent society.

As most of you know, BOB WHITE is past president of the Western Division and program chairman for the 1985 National meeting in Sun Valley. The Western Division is proud to have another exemplary candidate for this office. He is certainly well qualified and deserves the support of the WDAFS membership.

M I S C E L L A N Y

Keep those Wallop-Breaux Cards and letters coming, for they are helping steel congress against the Office of Management and Budget attempt to impound the money and repeal the Act. OMB has in no way backed off from its attack, so we must not only keep our guard up, but stay on the offensive by reminding Congress that these are user-pay dollars, that states have budgeted for their productive investment, and that under the "trickle down economic" theory, Wallop-Breaux funds will directly and indirectly generate new jobs and new tax income to the general treasury.

DR. BILL HERSHBERGER is busy organizing a new Genetics Section. If you have any interests in the genetics of finfish, molluscs, or crustaceans, contact Dr. Hershberger for a copy of the petition. Carl

Sullivan and the AFS EXCOM support this proposed new section.

Dr. William K. Hershberger  
University of Washington  
School of Fisheries - WH-10  
Seattle, Washington 98195  
(206) 543-4267

ROY STEIN (AFS Constitutional Consultant) recommended that the AFS EXCOM vote for the new Computer User's Section. This was done. DON CHASE, NPIC member, Washington Department of Game biologist is President and will be organizing a nominations committee. First business meeting will be at Sun Valley; (election of officers). It will show up on 1986 billings (\$5 a year) as C.U.S. For more information contact:

Don Chase  
Washington State Department of Game  
600 N. Capitol Way  
Olympia, Washington 98504  
(206) 753-5713/943-0330

This section will undoubtedly become the most "universal" section of interest to all AFS members. If you use (or anticipate using) a microcomputer, minicomputer, or a "big", contact Don to get the newsletter. It's all free until '86, and you won't regret it!

JOHN GROVER (Alabama Chapter) is in training to replace Dr. Roy Stein as AFS Constitutional Consultant. John will take over from Roy after the Sun Valley meetings. The constitutional consultant is of immense help to AFS and all AFS units in making any changes in by-laws, etc., or even in forming resolutions. We welcome John, and thank Roy for all his kind assistance (and patience).

CARL SULLIVAN would like to establish a 1-year IPA type of appointment at the AFS central office for persons who would like to receive training in aquatic resource legislation. The principal duties would be to work directly under Carl, on the "Hill" inter-facing between congressional and senatorial staff policy makers, and AFS resource committees. The purpose is to develop better national aquatic resource

polices. This would be an excellent opportunity for federal and state agencies, private companies, Native American organizations, universities, or conservation groups to get valuable legislative training for key personnel. AFS will provide office space, overhead, and the necessary training. The salaries and transportation would have to be the sponsoring agency. Call Carl Sullivan at (301) 897-8616.

**FISH/EXPO - '85**

The Western Division will be working with the Marine Fisheries Section (MFS) and the North-Pacific International Chapter (NPIC) to put together another AFS booth display for FISH/EXPO-SEATTLE from October 16-19 at the Seattle Center. Marcel Van Heuten (NPIC), and Patricia Livingston (NPIC), from the MFS, and Kirk Beiningen (MFS Past-President) will be working with Tony Novotny to get the booth organized this fall. This will be the 3rd year for AFS at FISH/EXPO, and it has proven to be a good way to communicate with the public. Tony has just received a new VHS tape of "This is AFS" from Don Flescher, AFS visual aids expert, and we hope to collect more from sub-units around the country to make an outstanding display.

**THREE-PRAIRIE PROVINCE CHAPTER**

AFS Members living in Alberta, Saskatchewan and Manitoba have asked Carl Sullivan about forming a new AFS Chapter, the "Three-Prairie Province Chapter." Western Division members in Alberta and Saskatchewan who wish to support this are urged to contact: W. G. Franzin, Freshwater Institute, 501 University Crescent, Winnipeg, Manitoba R3T2N6 (CANADA).

**REGISTER NOW**

Registration for WDAFS annual meeting must be received by 10 June in order to guarantee room rates at Snowmass/Aspen. The registration fee is \$70 for yourself and \$35 for spouse. Lodging deposit is \$58. The fee

includes a cocktail reception Monday, a barbeque dinner Tuesday, cocktail party and banquet Wednesday, and all coffee breaks. Mail check to:

Colorado Division of Wildlife  
6060 Broadway  
Denver, Colorado 80216  
ATIN: Western Association

Two airlines and one busline serve Snowmass Village from Denver: Aspen-Airways (303) 398-3744 (Round trip \$94); Rocky Mountain Airways (303) 398-3896 (Round trip \$112); and Trailways Bus (Round trip \$30.60, if purchased now. Could be higher in July).

**CAMPGROUND INFORMATION**

**KOA** - 3096 State Highway 82, Basalt, Colorado 81621 [(303) 927-3532]. 20-30 minute drive from Snowmass - Base rate \$10.50/2 people.

**U.S. FOREST SERVICE - (303) 925-3445**

**Difficult** - Call, first come first served. 3 miles east of Aspen, 30 minutes from Snowmass. Forty sites, \$5/day.

**Maroon Lake** - 20 minutes from Snowmass. Forty sites, \$8/day, plus 3 small campgrounds of 8 sites each on way to lake.

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**SEMI-CENTENNIAL HONORS!**

Did you know that the Western Division has 7 members with 50 years or more in the American Fisheries Society? The California/Nevada Chapter has **Dick Croker** (1933); Oregon Chapter has **Peter Doudoroff** (1935); and **Joe Wales** (1933); and the North-Pacific International Chapter has **Lauren Donaldson** (1934), **Bill Royce** (1935), and **Fred Thompson** (1934). That's 358 years of dedication to our fishery resources, and the Western Division is extremely proud of the privilege and honor of having these fishery scientists within our ranks.

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VOIE VOIE VOIE

Candidates for the several offices of WDAFS appear below and on the post-card that accompanies this newsletter. Please **VOIE** and return the postcard to Gordon Haugen ASAP. Deadline for receiving ballots is 30 June.

**FIRST VICE-PRESIDENT****William G. Kepner**

William G. Kepner is a Resource Contamination Assessment Specialist for the U.S. Fish and Wildlife Service in Phoenix, Arizona. Bill received an A.A. degree from Phoenix College in 1972, a B.S. degree from the University of Arizona (Tucson) in 1975, and a M.S. degree from Arizona State University (Tempe) in 1982. He was a fisheries/wildlife biologist for the U.S. Bureau of Land Management from 1978 to 1984 for which he coordinated and conducted nongame vertebrate inventories in western Arizona. In 1980, he received the Unit Citation Award for Excellence of Service from the Secretary of the Interior and in 1981 he received the Doug Morrison Memorial Award for Outstanding Wildlife Biologist in Arizona from the Wildlife Society (Arizona Chapter). He is currently working on special studies and emergency response investigations relative to impacts of contaminants on fishery and wildlife resources.

Bill has been a member of the American Fisheries Society since 1978 and is a certified Fisheries Scientist. From 1982 through 1985 he has served the Arizona-New Mexico Chapter as Secretary/Treasurer, Vice President, President, and Past President, in sequence. He is a member of the Exotic Fish and Water Quality sections. Additionally, Bill is a Member of The Wildlife Society and is a Certified Wildlife Biologist. He is currently serving as President-Elect of TWS, Arizona Chapter. He was recently appointed to the Governor's Natural Areas Advisory Council of the Arizona State Parks Board.

**Alvin D. Mills**

Alvin D. Mills has been an active participant in American Fisheries Society affairs since 1967 and currently serves the Western Division as Co-Chairman of the Awards Committee. He is currently with the U.S. Forest Service as a Fisheries Biologist for the Manti-LaSal and Uinta National Forests in Utah and as Aquatic Specialist representing the Forest Service in the Complex Central Utah Water Project.

Al is a graduate of Oregon State University where he received his B.S. degree in wildlife management in 1958. He was assisted by veteran's benefits from a tour in the U.S. Navy during the Korean War and 2 years of academic excellence scholarships from OSU. Al worked a number of years for the State of Washington's Water Pollution Control Commission (which later became the Department of Ecology) as a Fishery Biologist and later Supervisor for Surveillance Operations for the Western Washington and Puget Sound area. He joined the Pacific Northwest Region of the U.S. Forest Service in 1968 as one of their first Fishery Biologists, where he was promoted to the position of Fisheries and Wildlife Staff Officer on the Siuslaw National Forest. Al served on a number of committee assignments with the Oregon Chapter AFS, received an Award of Merit for special achievements from the Portland Oregon Chapter, and was President of the Oregon Chapter in 1973.

Since transferring to Utah in 1977, Al has been active in the Bonneville Chapter and was instrumental in establishing their awards programs. He has been active in Bonneville Chapter's Executive Committee, received a Special Award of Merit for Achievement from the Chapter in 1983, and the prestigious Chapter Fishery Scientist of the Year Award for 1984.

**SECRETARY-TREASURER**

**Ellen Gleason**

Ellen is a Fisheries Biologist and Staff Assistant for the Inland Fisheries Board, California Fish and Game in Sacramento, California. Her AFS activities include serving as the Division's Secretary-Treasurer in 1984/85, Past-Treasurer of the Cal/Neva Chapter, and served as newsletter editor for several years for the Cal/Neva Chapter. She also served as Secretary-Treasurer of the Sacramento Chapter.

**Lou Carufel**

Lou is Program Director for Fish and Wildlife, as District Biologist with the Bureau of Land Management in Fairbanks, Alaska. AFS activities include: Chapter President of the Arizona/New Mexico Chapter; Resolution Chairman for the Western Division, Alaska Chapter, and Cal/Neva Chapter; Alaska Chapter news editor for several years; Chapter and Division level active participation in Student Affairs, riparian habitat; and frequent contributions to the annual conferences.

**NATIONAL NOMINATING COMMITTEE**

**Don Duff**

Don is the Regional Fisheries Program Manager for the U.S. Forest Service, Inter-Mountain Region, Salt Lake City, Utah. His AFS activities include Past-President of the Western Division, Past-President of the Bonneville Chapter, and is President-Elect for the Fisheries Management Section. Don has chaired a wide variety of committees at the Chapter Division section at a national level, and is a frequent contributor at the annual conferences. He received the Society's Distinguished Service Award in 1981.

**Christine Moffitt**

Christine is Adjunct Assistant Professor, Department of Fish and Wildlife Resources, University of Idaho (Moscow). Her AFS activities include two years as Chairman of the Membership Concerns Committee, President of the New England Chapter, and two years on the Membership Equal Opportunities Committee. Christine has served as Program Chairman for the Northeast Division, and will be one of four convenors of the Anadromous/Cantadromous Symposium to be held in Boston in 1986. She will also chair the poster session for the annual meeting in Sun Valley.

**BALLOT EXPLANATION**

The National AFS Office has asked other units to adjust the terms of office for their officers to match the terms of office of National AFS Officers. Most Chapters and Divisions voted unanimously to change the terms of Western Division Officers. If changed, current officers will continue to serve until the change of officers at the National AFS business meeting in Sun Valley. Incoming officers will then serve until the 1986 AFS Annual Meeting in Rhode

Island. Members are asked if they will support the EXCOMM in making the change by marking the appropriate box (Agree \_\_\_; Disagree \_\_\_) on the ballot.

AGENDA

1985 Meeting of the Western Division of the American Fisheries Society  
and Joint Meeting with the Western Association of Fish and Game Agencies

16-18 July - Snowmass/Aspen, Colorado

Tuesday - JOINT SESSION (WAFGA/WDAFS)

- 9:00-12:00 Late Registration
- 8:30-10:00 General Session  
Welcome to Colorado  
Introductions and Announcements - Assistant General Chairman, Arch Andrews,  
Colorado Division of Wildlife  
President's Message  
Western Association - James R. Ruch, Director, Colorado Division of Wildlife  
Western Division, American Fisheries Society - Dr. Neil Amentroot  
Keynote Speaker - To be Announced
- 10:00-10:30 COFFEE
- 10:30-11:30 Politics: The Only Game in Town  
Moderator: Tim Schultz, Colorado Commissioner of Agriculture, Chairman of  
the Colorado Wildlife Commission  
Speakers: U.S. Legislator - To Be Announced  
State Legislator - To Be Announced  
Questioners: Jay D. Hair, Executive Vice President, National Wildlife  
Federation  
Carl R. Sullivan, Executive Director, American Fisheries  
Society  
Nancy Ruebert, Political Specialist, KOA Radio, Denver

12:00-1:30 Lunch on your own

1:30-5:00 CONCURRENT SESSIONS (WDAFS) - NATIVE COLORADO RIVER FISHES

Session Chairperson: Chuck McAda  
U.S. Fish and Wildlife Service/Grand Junction, Colorado

- 1:30-1:40 Introduction - Chuck McAda
- 1:40-2:05 Distribution, habitat, and food preference of native and introduced fishes in  
the White River, Utah and Colorado.  
John G. Carter and Vincent A. Lavara  
Ecosystem Research Institute, Logan, Utah.
- 2:05-2:30 Impact of Taylor Draw Dam and Kenney Reservoir on the fishes of the White River  
in Colorado.  
Tom Chart\*, Eric Bergersen, and Pat Martinez  
\*Colorado Cooperative Fishery Unit/Fort Collins, Colorado
- 2:30-2:55 Survival of stocked Colorado squawfish, with reference to largemouth bass  
predation.  
Douglas B. Osmundson\* and Charles R. Berry, Jr.  
\*Utah Cooperative Fishery Unit/Logan, Utah

2:55-3:20 COFFEE

3:20-3:45 Temperature as a resource limiting Colorado squawfish in the Upper Colorado  
River basin.  
Lynn R. Koedling\*, Douglas B. Osmundson, and Charles R. Berry, Jr.  
U.S. Fish and Wildlife Service/Grand Junction, Colorado

3:45-4:10 Reproductive ecology of humpback chub and roundtail chub in the upper Colorado  
River.  
Bob D. Burdick\* and Lynn R. Koedling  
\*U.S. Fish and Wildlife Service/Grand Junction, Colorado

4:10-4:35 Genetic analysis of the Colorado River Gila: non-fatal sampling, cell culture,  
and electrophoresis.  
Mark Rosenfeld  
University of Utah/Salt Lake City, Utah

4:35-5:00 Taxonomy of larval and early-juvenile Gila from the Upper Colorado River Basin,  
USA.  
Robert T. Muth\* and Charles M. Haynes  
\*Colorado State University/Fort Collins, Colorado

17 July, Wednesday - 8:30-12:00 CONCURRENT SESSIONS (WDAFS)

NATIVE COLORADO RIVER FISHES (CONTINUED)

8:30-9:00 The early life history of Colorado squawfish in the upper Green-Yampa River  
system, Colorado and Utah.  
Charles M. Haynes\* and Robert T. Muth  
\*Colorado Division of Wildlife/Fort Collins, Colorado

9:00-9:25 Effects of cold shock on larval Colorado squawfish.  
Charles R. Berry, Jr.\* and Vicki Rosen  
\*Utah Cooperative Fishery Unit/Logan, Utah

9:25-9:50 Recruitment of Colorado squawfish in the Green River Basin, Colorado and Utah.  
Richard L. Jones  
U.S. Fish and Wildlife Service/Vernal, Utah

9:50-10:20 COFFEE

10:20-10:45 Comparative morphology of the intermetatarsal bones of metalarval and early-juvenile  
razorback, and flannelmouth suckers from the Upper Colorado River Basin.  
Robert T. Muth\* and Steven Platarda  
\*Colorado State University/Fort Collins, Colorado

10:45-11:10 Drift of larval fishes in the upper Colorado River.  
Richard A. Valdez, John G. Carter, and Ronald J. Ryel  
Ecosystem Research Institute/Logan, Utah

11:10-11:35 Factors contributing to the success of razorback suckers in Lake Mojave.  
Gene R. Wilde, Michael Bozek, and Larry J. Paulson  
Lake Mead Limnological Research Center/Las Vegas, Nevada

11:35-12:00 Distribution, reproduction, and habitat use of razorback sucker.  
Harold M. Tyus  
U.S. Fish and Wildlife Service/Vernal, Utah

12:00-1:15 LUNCH ON YOUR OWN

1:15-3:00 WESTERN DIVISION-AMERICAN FISHERIES SOCIETY-BUSINESS MEETING

3:00-3:20 COFFEE

3:20-5:00 CONCURRENT SESSIONS (WDAFS) - CONTRIBUTED PAPERS

Session Chairperson: Dr. Mike Laurs  
National Marine Fisheries Service (La Jolla, California)

3:20-3:45 Re-introduction and monitoring of razorback suckers in the Lower Colorado River  
Basin.  
Jim Brooks\*, Paul C. March, and W. L. Minckley  
\*Arizona Game and Fish Department/Phoenix, Arizona

3:45-4:10 Channel hydraulics, body morphology, and habitat selection by salmonid fishes in  
Pacific Northwest streams.  
Peter Bisson  
Weyerhaeuser Company/Tacoma, Washington

4:10-4:35 Imprinting juvenile salmon with morpholine.  
Thomas J. Ressler  
Cooperative Fishery Research Unit  
Humboldt State University/Arcata, California

4:35-5:00 Stock identification of Arctic grayling in Interior Alaska.  
Hakon Ilop  
Cooperative Fishery Unit  
University of Alaska/Fairbanks, Alaska

18 July, Thursday - CONCURRENT SESSIONS (WDAFS)

8:00-12:00 BIOLOGY AND MANAGEMENT OF FISHES IN NATIONAL PARKS, REFUGES AND MONUMENTS

Session Chairperson: Lou Carufel  
B.L.M./Fairbanks, Alaska

8:30-8:55 The use of large-scale color infrared airphotos for inventorying and monitoring  
stream/riparian areas.  
Paul Cuplin  
B.L.M./Denver, Colorado

8:55-9:20 Pyramid Lake - it's return to a world class fishery.  
Alan Rager, Director of Fisheries  
Pyramid Lake Indian Tribal Enterprises/Sutcliffe, Nevada

9:20-9:45 Fisheries Management and Research in Glacier National Park  
Dr. Leo Marnell  
Glacier National Park

9:45-10:10 Saving the dumb gene in Yellowstone; there is more to preservation than granola.  
Bob Gresswell  
Yellowstone National Park

10:10-10:35 COFFEE

10:35-11:00 Winter telemetry study on Arctic grayling in the Arctic National Wildlife Refuge,  
Alaska.  
Hakon Ilop  
Cooperative Fishery Unit  
University of Alaska/Fairbanks, Alaska

11:00-11:25 Current research on native fishes of the Grand Canyon.  
Henry Maddux\*, William R. Persons, and James C. DeVos, Jr.  
\*Arizona Game and Fish Department/Pasee, Arizona

11:25-11:50 Microhabitat utilization by sub-adult Gila Cypha in the Little Colorado River,  
Grand Canyon.  
Jim Brooks\* and Larry Riley  
\*Arizona Game and Fish Department/Phoenix, Arizona

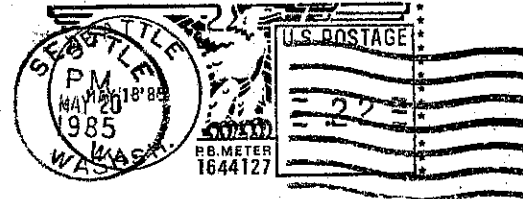
11:50-12:00 Summary, "kudos", and "auf wiedersehen"-Program  
Chairperson: (Novotny)



# THE TRIBUTARY

A Newsletter of the Western Division,  
American Fisheries Society

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