



THE TRIBUTARY

A Newsletter of the Western Division,
American Fisheries Society



American Fisheries Society
Western Division

Volume 12, No. 1/December 1986

President's Message from Atop a Fishbox

It is certainly nice to have the opportunity to visit with all you fish brothers and sisters of the Western Division of the American Fisheries Society (WDAFS). As most of you are aware, there is a broad spectrum of expertise and interests among our membership, from the assessment of marine stocks to the development of water quality criteria to the culture of catfish. During my travels to the different chapters in the last two years I have noted a repeated theme of concern due to increasing demands on and improprieties to finite fishery resources. Symposia, session topics, and discussions on issues such as competition for harvest allocations and poor land management practices resulting in the deterioration of habitat and water quality are all commonplace whenever we meet these days. It has been encouraging and gratifying to see our membership using their professional society as a forum for discussions, mental stimulation, and political action on fisheries issues based on good solid science. AFS should always be the place where we can participate in such activities with our "agency hats off."

An increasing number of chapters in the WDAFS are proceeding to "take the law into their own hands" by using existing federal and state statutes and regulations to force agencies to do what has already been prescribed of them. Some of the Society's membership feels that such political action is an inappropriate activity for AFS. Well, I assure you that the chapters that are pursuing specific resource issues are doing so with the highest degree of professionalism, and following the necessary procedures outlined in federal and state laws and regulations. I endorse the efforts of those chapters and will do all I can to support them.

This proactive position is also being seen at the Parent Society level with such recent actions as the position paper

on Federal Fisheries Responsibilities, the litigation of the Omnibus Range Bill, and the hiring of a deputy director to lobby fisheries issues. Such actions are being performed in a manner consistent with the goals of AFS and our Code of Practices, that is, providing for the enlightened management of aquatic resources for the optimum use and enjoyment by the public, while maintaining high scientific standards and integrity.

I feel the chapters should drive the American Fisheries Society and provide the direction for their professional society. The WDAFS stands ready to do all it can to support its chapters. There is nothing more frustrating than to watch and listen to fisheries biologists try to convince themselves that it is wrong for AFS to be an advocate for wise utilization of fisheries resources. While I think a number of us have been cautious in using our professional status and abilities to take stands of a political nature, it now seems that we are beginning to realize the fate of the fisheries resource requires action in addition to biological investigation. If these valuable public resources are to be sustained and available for future generations, it is now time to decide whether we're going "to fish or cut bait."

These days we need to become more effective in the role as biopoliticians. Most of us are by now adequately spoiled with our "high tech" abilities to quickly process reams of data to test our hypotheses. But rarely do any of us receive training on how to deal with the social or political aspects of our chosen profession. The younger year classes especially need to be made aware of what lies ahead so that they can be more effective. Times have changed significantly since we used slide rules, so has our constituency and the problems that face the fishery resources. Those of us who have survived years in the trenches as proficient "combat biologists" need to get out and educate those younger year classes. We must also

Continued Page 2

(President's Message, from Page 1)

actively develop a constituency that will socially and politically support strong control of activities that are jeopardizing the survival of our fishery resources. I urge all of you to get involved with educating the masses as to the value of their fisheries resources. Offer to participate in Project Wild activities with your local elementary or secondary school. "Teach the children well"--the rewards are incredible.

One of our most glaring professional deficiencies is our inability to show the socio-economic value of the fishery resource. We are really losing the battle in this arena. The resource we study is poorly displayed economically against other commodities, such as timber and minerals. In many states and provinces these classic commodities have not succeeded in sustaining the economy, yet the fishery hangs on by a thread still bringing in the dollars even after being abused. I challenge all of you to demonstrate the socio-economic value of your research, applied management schemes, and pollution control efforts if you sincerely want to see the fishery resources survive your own existence. The Parent Society has recently created a Socio-Economics Section to try to fulfill this need; join and participate, I'm sure you will find it fruitful.

I want to thank all of you for the hospitality shown at the chapter meetings. As was strongly voiced at the WDAFS Executive Committee retreat in Portland last July, the officers of WDAFS will be attending in mass as many chapter meetings as possible during the coming year. We are looking forward to meeting and talking with you all about what the American Fisheries Society should be doing to promote quality fisheries science, wise utilization, protection, and enhancement of fisheries resources. I thank you for your support and involvement in your professional society, the world's largest single representative of fisheries scientists.

Don Martin

CHAPTER NEWS

Alaska Chapter

The thirteenth annual Alaska Chapter meeting in Anchorage was a big success with well over 100 in attendance. It is not surprising that the Alaska Chapter is perhaps our largest, for surely the state's inland and coastal waters must contain nearly half of the nation's fisheries resources.

President Shelby Gerking

also journeyed to Alaska and gave a stimulating address on Professionalism and Continuing Education. Outgoing President Bill Wilson and new President/Program Chairman Lou Carufel deserve particular credit for the meeting's success.

The Anchorage, Alaska, meeting was a prelude to the Society's 1989 annual meeting, which will also be held in Anchorage. It provided a particularly good opportunity to inspect hotel and conference facilities, and planners for the 1989 meeting took full advantage. The 1989 annual meeting will be during the presidential term of Dr. Bob White. Program chairman will be Randy White of the USFWS in Anchorage, while co-arrangements committee chairmen will be Dr. Bill Wilson and Carl Burger. Preliminary planning is well underway and members can look forward to a great meeting with unlimited opportunity for pre- and post-conference fish and wildlife experiences.

Bonneville Chapter

The 1987 winter meeting will be held March 5-6 at the Excelsior Hotel in Provo. The theme for the meeting will be the Role of Education in Resource Management. A panel discussion is being considered; any suggestions for panel members can be made to Bob Hurley.

Chris Jauhola has been forced to resign her post as president-elect of the chapter because she has accepted a position with the forest service in Vancouver, Washington. Her vacancy has been filled by Bob Hurley, former vice president of the chapter. Therefore, the position of vice president is currently not filled. Denise Knight (DWR) and Oscar Creer (DWR) are the two candidates for vice president. Office will be assumed immediately by the elected candidate.

North Pacific International Chapter

The NPIC-AFS Annual General Meeting will be March 9-11 at Harrison Hot Springs, British Columbia. The meeting theme will be "Resource Husbandry: Are We Doing the Job?" Contact Brent Lister, Program Chairman, Box 2156, Clearbrook, B.C., V2T 3X8, (604) 853-3318.

Jim Walton, president of the NPIC-AFS, reports "The incoming executive committee consisting of Jeff Cederholm, Brent Lister, George Reid, Bruce Shepard, and Forrest Olson has a big job ahead. This will be a year of challenges, within the chapter and within our state, provincial, and federal governments.

Continued Page 3

(Chapter News, from Page 2)

"For those of us in Washington, the biggest challenge will come this fall in the form of Initiative 90. We have an opportunity to stop the loss of critical wildlife habitat, to enhance our wildlife resources, and to provide a stable and adequate funding base for the protection and preservation of our wildlife heritage. We are close to success, closer than we have ever been before. If we make it happen, it will be the single most important thing to ever happen for fish and wildlife in this state."

Montana Chapter

Montana Chapter officers as of September 15 are President **Jerry Wells**; President-Elect **Bob Gresswell**; Secretary-Treasurer **Glenn Phillips**; and **Pat Dwyer**, past-president.

Montana Chapter member **Paul Brouha** has been selected as the national AFS deputy executive director. He assumed his duties in Washington D.C. in October. His responsibilities will include habitat protection activities, assistance, and support for AFS subunit activities, congressional and legislative liaison, and other activities.

The 1986 annual meeting of the Montana Chapter was held December 8-10 at the Heritage Inn, Great Falls. **Bob Gresswell** was the program chairman.

Western Division

1985 Annual Meeting

By **Bill Wilson**, President, Alaska Chapter

Prior to the Western Division, AFS meeting in Portland, Oregon, July 20-23, 1986, the Western Division of AFS and the Parent Society co-sponsored a retreat for all chapters in the Western Division. I was in Portland on other business, and was fortunate to be able to attend. **Lou Carufel**, Alaska Chapter president-elect, also attended this one-day event.

This was the first-ever opportunity for Western Division officers to get together and discuss mutual problems and successes, and to offer suggestions to national officers on the present and future activities of the American Fisheries Society. The following is a synopsis of this meeting, which the Western Division hopes to continue as an annual event.

Regarding membership, all chapters share the same woes--we all wish we had more fishery professionals involved in our chapter affairs. Chapters are seeking more direct communications from the Parent Society in order to keep our own memberships better informed on national activities. Many chapters charge higher fees for non-members at their meetings. Others utilize their newsletters to emphasize the benefits of AFS membership, ensuring that non-members receive this information routinely.

Student involvement by chapters includes recognition of university subunits within certain chapters. Only chapters encompassing schools with large numbers of fishery graduate students do this, however. Other schools have formed their own chapters but have been met with up and down cycles of interest by students, disinterested faculty leadership, high turnover, and cost. (Students are routinely the least able to pay travel, meeting attendance costs, etc.) All agreed on the importance for university faculty to be active in AFS and to get students "imprinted" on the benefits of professional activity. But the chapters also must work to cultivate university faculty. One good suggestion for involving students is for chapters to sponsor a seminar series for students on the realities of becoming a fishery professional, including job outlooks, actual duties of various types of positions, salary expectations, etc. (One chapter officer suggested that we "depress them" a little.)

We discussed the AFS Certification program at length. Some feel it is valuable, others think it is useless. In some states, being a certified fishery scientist affects your salary or promotion potential. Some private companies (consulting firms) have work prepared by certified fishery scientists imprinted with a seal and signed by the scientist, somewhat like a notary public. Discussion focused on how to continue the program and make certification mean something without starting a huge bureaucratic effort in the process. AFS will expend considerable effort in the next several years examining the certification program. If you are interested in this, let me know.

Continuing Education: AFS President-Elect **Shelby Gerking** intends to make this one of his major efforts next year when he becomes president. AFS plans to start a program of administering in the national office a Continuing Education program for all members. It is planned that, nationally, AFS will provide courses of use and interest to fishery scientists that will be approved by a curriculum committee of some sort and that will carry credit or Continuing Education Units (CEUs). After the courses are taken, graduates would earn a certain number of CEUs, which would be recorded in the AFS offices. CEUs currently are recognized by many employers as

Continued Page 4

(Western Division, from Page 3)

demonstration of improved skills and reason for promotion or salary increase awards. Many chapters offer such courses, such as the Alaska and California-Nevada chapters, and would be included in the program. Chapter courses would have curricula and instructors reviewed nationally and included in the national CEU program catalog.

To improve communications among the Western Division chapters, Western Division officers will make a greater effort to attend all chapter meetings. Chapters are encouraged to exchange newsletters. Several chapters have new products available (course curricula, position papers, slide-tape shows, etc.), which should be advertised to other chapters. (Newsletter exchanges will help.)

AFS is considering sponsoring a national or a Western Division riparian habitat workshop. The purpose will be to exchange ideas and approaches for riparian habitat protection and to discuss mechanisms to gain state-mandated protection via laws or regulations. Oregon recently passed such a law, which the Oregon Chapter thinks still is ineffective. In addition to Oregon, Montana and Idaho are actively working on this issue. Such a workshop may be scheduled for 1987; contact me if you wish to get involved.

We discussed briefly the organization of AFS--divisions, chapters, sections, etc. Discussions focused on the cumbersome nature of the organization, difficulties with communications, ineffectiveness, and other problems. Many think it will soon be appropriate to reorganize, but President Johanna Reinhart felt we shouldn't tamper with it until it's really broken. She feels that if AFS is to be restructured, then it should be done thoroughly, but not right now.

1985-86 Executive Committee

Don Martin, President
Rt. 1, Box 84
Star, ID 83669
208/334-4251

Al Mills, President-Elect
615 E. Center St.
Orem, UT 84057
801/377-5780

Anthony Novotny, Past-President
1919 E. Calhoun
Seattle, WA 98112
206/442-0856
FTS: 399-0856

Nancy MacHugh, Vice President
2741 S. Shore Dr.
Albany, OR 97321
503/754-4431

James Reynolds, Secretary-Treasurer
4627 Harvard Cir.
Fairbanks, AK 99709

Cay Goude, National Nominating
10685 Jackson Rd.
Sacramento, CA 95830

The Secrets of Whispering Willows, Finally Revealed! or... What's It All About, Alfie?

Until recently, the term "riparian" was most commonly associated with a doctrine of water law predominant in eastern states. However, through the efforts of numerous pioneering individuals, this term and its broader reference to an aquatic habitat zone have progressed from being practically unheard of in the 1960's to becoming a rather common cuss word in some circles during the 1970's, to its present status as a booming bandwagon buzzword in the 1980's! Throughout this social evolutionary process of issue identification, credibility development, and ultimately a transition into applied riparian management practices, you can take pride in the fact that the AFS Western Division and its members have been in the forefront of these efforts throughout the West. In particular, Riparian Committee members over the years have several landmark publications such as the position paper on "Management and Protection of Western Riparian Stream Ecosystems," the technical handbook for "Best Management Practices for the Management and Protection of Western Stream Ecosystems," and the recent slide/tape training program on the "Management and Protection of Western Stream Ecosystems," all of which are available from the Riparian Committee. These productions are serving as useful management tools to illustrate, educate, and elucidate the concerns, values, and natural resource requirements for

Continued Page 5

(Whispering Willows, from Page 4)

improved riparian management throughout western North America.

At this point in time, we must now begin to ask ourselves whether we, as individuals, professionals, or as a group, can now go beyond our own points of reference and each, within our personal spheres of influence, begin to develop the great, more significant, issues and values of riparian systems management? Can we take this message and the full scope of its meaning to other interests and show them personal riparian values, in their own terms? In an effort to further advance and expand the information transfer and networking capabilities of the Western Division, your Riparian Committee is presently about to launch an interagency, divisionwide riparian survey under the leadership of **Paul Turner**. This effort will take the social evolutionary process a step further, identifying those organizations and key individuals currently involved in riparian resources management, planning, research, or education. The objective will be to form a network of riparian achievers and their methodologies, to whom we can look for leadership and examples, as to what can be accomplished for riparian resources management. Nothing sells like success and those organizations or individuals who are succeeding in behalf of riparian values, be they fisheries, forestry, livestock grazing, watershed, recovery systems, or whatever, should be brought to the attention of all parties concerned. If you would like to participate in this or other potential efforts as a member of the 1987 Riparian Committee, please contact me at the address below by January 25, 1987. In the meantime, stay tuned...

Bruce H. Smith, Chairman
AFS-WD Riparian Committee
2403 Victor Rd.
Rock Springs, WY 82901

P.S.: One closing thought, relative to the points noted above. In a recent communication with **Dr. Bob Behnke**, I couldn't help but note how, in my travels around the Western Division, it was becoming more apparent to me everywhere I went how in *applied, on the ground* riparian management (not research or publications), the BLM is at least ten years ahead of the U.S. Forest Service. I feel so strongly about this, there's a case of Jack Daniels that says it's so! While I'm open to all comers, considering the overwhelming evidence, I doubt that there will be any contest. However, anyone so inclined may contact me and we'll work out the details.

A Word of Thanks and Praise

I want to take this opportunity to thank all of you for the support that you gave me throughout 1985-86. This society continues to plow new ground every year, and it does so because of the volunteer work of its members and the continuous support of the state and federal agencies, our academic institutions, and private industry. I'm proud to be associated with the Western Division.

The immediate past-president chairs two committees: (1) Nominations for Western Division Officers, and (2) the Awards Committee. I will shortly be asking your chapter presidents to serve on the Nominations Committee, but if you have any candidates for office in mind, I would appreciate a short note from you by February 1st. There are three offices that we vote on each year: vice president, secretary-treasurer, and the Western District representative to the National Nominations Committee. The vice president will move up to president-elect and then president of the Western Division. The secretary-treasurer can serve more than one term. The National Nominations Representative is our vote on the National Nominations Committee, and should be someone who has knowledge of current leadership material in AFS. I will also be appointing an Awards Committee, and in the next issue of the *TRIBUTARY* we will describe the awards and include a form for nominations. The awards are Chapter of the Year; Award of Excellence; Award of Merit; and the Bob Borovicka Conservation Achievement Award.

I would encourage all members to pay their dues before the end of this calendar year in order to be able to include it as a 1986 tax deduction, and take the time to think about this last great opportunity to go for an AFS Life Membership. The price is still \$500 until March 1987, and you can still get a whopping tax deduction for whatever amount you can pump into it between now and the end of the calendar year. You can put it all on your "charge card" if you want. Give yourself and your society a great holiday gift with a Life Membership--everyone will benefit.

Tony Novotny, Immediate Past-President
Western Division-AFS

WDAFS 1987 Call for Papers

The annual Western Division AFS meeting, which is held jointly with the Western Association of Fish and Wildlife Agencies (WAFWA) is scheduled for July 12-15, 1987, at the Salt Lake City Sheraton Hotel. Accommodations and rates are outstanding and Salt Lake is centrally located for the Western Division and the Intermountain Region. Attendees are encouraged to bring their families and/or companions and enjoy this beautiful, hospitable, mountainous setting.

The overall conference theme is "Meeting Increasing Public Demands on Fish & Wildlife with Declining Revenues." The proposed 1987 WDAF technical sessions are oriented heavily toward management problems pertinent to the needs of the western fisheries resource and program manager. You will find the "1987 Call for Papers" structured under carefully selected topic areas, chaired or co-chaired by widely respected and experienced personnel. Persons wishing to participate and present papers are encouraged to submit abstracts to the appropriate chairperson(s) responsible for organizing their particular subject area as follows:

"Western Management Implications of Fish Disease" co-chaired by:

Ron Goede
Fish Pathologist & Nutritionist
Utah Division of Wildlife Resources
Fisheries Experimental Station
1465 West, Second North
Logan, Utah 84321
801/752-1066

and

Dennis Anderson, Director
U.S. Fish & Wildlife Service
Fish Disease Center
P.O. Box 917
Fort Morgan, Colorado 80701
303/867-9474

"An Overview of Problems & Successes Associated with Introduction of Non-Native Aquatics" chaired by:

Pat Graham, Chief
Fisheries Management Bureau
Montana Dept. of Fish, Game & Parks
1420 E. Sixth Avenue
Helena, Montana 59620
406/444-2449

"Mitigation Strategies: Flow & Non-Flow Alternatives for Stream Systems" chaired by:

Clair Stalnaker, Chief, Aquatic Systems Branch
U.S. Fish & Wildlife Service National Ecology Center
2627 Redwing Road
Fort Collins, Colorado 80526
303/226-9331
(FTS) 323-5331

"Stream Habitat Modification/River Mechanics" co-chaired by:

John Anderson, Fisheries Biologist
Bureau of Land Management, USDI
333 South Fourth Street
Coos Bay, Oregon 97420
503/269-5880
(FTS) 422-9200

and

Errol Claire, District Fisheries Biologist
Oregon Dept. of Fish & Wildlife
P.O. Box 9
John Day, Oregon 97845
503/575-1167

"Cutthroat Trout Subspecies: Identification, Management, and Recovery" co-chaired by:

Bryce Nielson, Leader
Bear Lake Fisheries Project
Utah Division of Wildlife Resources
Bear Lake Fisheries Station
P.O. Box 231
Garden City, Utah 84028
801/946-8501

Continued Page 7

(Call for Papers, from Page 6)

and

Leo Lentsch, Leader
Strawberry Reservoir Project
Utah Division of Wildlife Resources
1115 North Main Street
Springville, Utah 84663
801/489-5678

"Warm Water Fish in Trout Country" chaired by:

Robert R. Rawstron, Chief
Inland Fisheries Division
California Dept. of Fish & Game
1416 Ninth Street
Sacramento, California 95814
916/445-8231

"Innovative Solutions in Resolving Fisheries Problems in Lakes & Reservoirs" co-chaired by:

Jim Johnson
Fisheries Research Program Coordinator
Utah Division of Wildlife Resources
1596 West, North Temple
Salt Lake City, Utah 84116
801/530-1258

Virgil Moore, Resident Fishery Manager
Idaho Dept. of Fish & Game
P.O. Box 25
Boise, Idaho 83707
208/334-3791

While it unfortunately is not the best time of year for student attendance, they are none-the-less strongly encouraged to participate and every effort will be made to facilitate their participation in the technical sessions.

An attempt has been made, through heavy input from program managers and resource personnel, to address specific topic areas as addressed above. This in no way is meant to discourage those from the academic or other environments if they have other pertinent fisheries-related topics they wish to share through participation in the WDAFS technical sessions. If the need arises, the possibility of adding one or more contributed paper sessions is a distinct possibility or the Poster Session format will be available.

Those wishing to participate in the WDAFS technical sessions should submit an abstract of no more than 2 or 3

reasonable length paragraphs to those chairpersons indicated above, or to:

Alvin D. Mills
WDAFS 1987 Program Chairman
U.S. Forest Service
P.O. Box 1428
Provo, Utah 84603
801/377-5780
(FTS) 584-9101

or

Bruce Schmidt
WDAFS/WAFWA Coordinator
Chief, Fisheries Management
Utah Division of Wildlife Resources
1596 West, North Temple
Salt Lake City, Utah 84116
801/530-1259

Please use the same title on your abstract that you will be using on your submitted paper. Abstracts should be submitted no later than January 15, 1987. Selected participants will be notified of the acceptance of their proposed presentations by March 15, 1987. They will have the option of having an abstract or their entire manuscript included in the proceedings to be published following the July conference. Authors of accepted abstracts will receive further instructions for the preparation of their material for compilation in conference records. An abstract is required of all persons seeking to present a paper (whether formal paper, abstract-only paper, or poster). Abstracts should be typed on 8-1/2- by 11-inch paper, one side only, double spaced, with the format as follows:

1. Title (all capital letters).
2. The word "Abstract" followed by the text of the abstract.
3. Put the name(s), affiliation(s), telephone number(s) and address(es) of the author(s) on a cover sheet entitled "First Call for Presentation" (NOT ON THE ABSTRACT).
4. The abstract should describe in clear, objective terms the purpose of the work, methods used, area or species covered, and should summarize the results and conclusions (tell what you did and what you found out). It should not be a mere recital or description of the contents of your paper.

The selection of presentations will be made solely on the merits of the abstracts. Pass the word to your colleagues and put it on your calendars. Hope to see you all in Salt Lake City in July.

NATIONAL AFS NEWS

The Ecology and Management of Interior Stocks of Cutthroat Trout, a 108-page special publication of the AFS Western Division, has just been completed by Editor J.S. Griffith of Idaho State University. The publication is an outgrowth of the 1979 AFS meeting in West Yellowstone and the 1986 Western Division meeting. Copies, at \$10.00, are available from J.S. Griffith, Department of Biological Sciences, Box 8007, Idaho State University, Pocatello, Idaho, 83209.

Applicants for senior and postdoctoral research associateships are being sought by the National Research Council, the principal operating agency of the National Academy of Sciences. Awards are for one or two years for research of the applicant's choosing and biological subjects are encouraged. Stipends will begin at \$26,350. Applications must be postmarked before January 15, 1987. Applicants need not be U.S. citizens. For further information and application materials, contact Associateship Programs, Office of Scientific and Engineering Personnel, JH 608-D2, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C., 20418, 202/334-2760.

Dr. Robert F. Carline will be the new editor of the *North American Journal of Fisheries Management*. He succeeded founding editor Mercer Patriarche in November 1986. Bob was recommended by a seven-person search committee from a strong group of candidates, and has been appointed by President Shelby Gerking. Carline began his professional career as a biologist with the Wisconsin Department of Natural Resources; during his time with the DNR, he obtained advanced degrees from Oregon State University and the University of Wisconsin. He has been the assistant leader and leader of the Ohio Cooperative Fishery Research Unit, and now is leader of the Pennsylvania Cooperative Fish and Wildlife Research Unit. Bob is a Life member of AFS and the current president of the Society's Central Penn Chapter.

Named to the PFC Editorial Board by President Gerking are Fred Allendorf, Dick Anderson, Jim Avault, Claude Boyd, Laurie Fowler, Donald Garling, Rich Gregory, Roger Herman, Sterling Johnson, Calvin Kaya, Howard Kerby, Eugene

Maughan, Dave McDaniel, Ivan McElwain, Hugh Paston, Randall Robinette, Richard Soderburg, Bob Stickney, Vance Thurston, and Gary Wedemeyer.

Two recent fisheries/stream habitat management related publications have been called to our attention by Don Duff. They are *Proceedings of the 5th National Trout Stream Habitat Workshop*, 1986, and *Indexed Bibliography on Stream Habitat Improvement*, 3rd Revision, 1986. For more information call Don at 801/625-5662.

The new "director" of the National Marine Fisheries Service is William E. Evans, who has been chairman of the U.S. Marine Mammal Commission. Evans will be responsible for the management and enforcement of fishery resources in the 200-mile-wide U.S. Fishery Conservation Zone and the protection and conservation of threatened and endangered marine animals. A marine zoologist, Evans has been executive director of the Hubbs Marine Research Institute in San Diego, California, since 1977. He has been nationally recognized for his research on the biological and physiological effects of acoustics on the behavior of marine mammals. Evans earned a bachelor's degree in education from Bowling Green University and received a master's degree from Ohio State University. He received his doctorate in biology and animal behavior from the University of California at Los Angeles. He is married, has two sons, and resides in Escondido, California.

While Roy Stein orchestrated last minute refinements to the 86 annual meeting program, 1987 Program Chairman Dr. Bill Taylor was already hard at work. In concert with President-elect Shelby Gerking, Taylor has selected the theme of "Managing Tomorrow's Fisheries." The 1987 meeting will be in Winston-Salem, North Carolina, September 13-17. For information about the meeting, contact Taylor at the Michigan State University Department of Fisheries, 13 Natural Resource Building, East Lansing, Michigan, 48824, 517/355-4447.

A \$10,000 AFS grant from DuPont/Conoco will make it possible for Dr. Robert Behnke to devote his full energies to the completion of his monograph on the *Native Trout of Western North America*. Funding for printing is available from the U.S. Fish and Wildlife Service and additional support has come from the U.S. Forest Service in Fort Collins, Colorado. Target date for availability of the much-anticipated book is the fall of 1987.

Continued Page 9

(National News, from Page 8)

The composition of a new "Federal Government Role in Fisheries" Committee was the subject of a recent meeting with Bill Gordon who has just stepped down as head of the National Marine Fisheries Service. AFS members will recall that over the past two years the first Government Role in Fisheries Committee (under Chairman Dr. John Harville) developed a specific proposal for reorganization of government fisheries activities. The AFS Executive Committee unanimously endorsed the "Harville" Committee report and President Gerking will likely appoint a new committee in the near future. The mission of the new committee will be to try to implement the recommendations of the Harville Committee.

A fishing tournament information and retrieval system (FTIRS) for use on micro computers has been developed by AFS member Dr. Robert Ditton of Texas A&M. The software is useful for registration and scoring purposes and can provide information in support of marketing. There are fisheries conservation benefits and records of catch by species can be kept for ready comparison with data from future years. Ditton has written AFS asking that this information be passed along to those who work with fishing tournaments. For more information and assistance, call Bob at 409/845-5380.



STREAM HABITAT GLOSSARY

The Western Division's Habitat Inventory Committee has completed a *Glossary of Stream Habitat Terms*. This glossary is chapter one in a larger effort to promote uniformity in the use of terms and measurement methods in streams, lakes and reservoirs. Copies of the glossary can be obtained by sending a check or money order for \$5 made out to the Western Division AFS to:

Dr. William T. Helm
Department of Fisheries and Wildlife
Utah State University
Logan, UT 84322-5210

Quotes

"We are waiting for the long-promised invasion. So are the fishes." Winston Churchill, 1940

"The fish dies because he opens his mouth." Spanish Proverb

"Nothing endures except change." Heraclitus

MEETINGS

June 22-26, 1987--International Symposium on Fisheries Acoustics (ISFA). Sponsored by the Northwest and Alaska Fisheries Center of the National Marine Fisheries Service in Seattle, Washington. Organized with the assistance of the International Council for the Exploration of the Sea (ICES) and the Food and Agriculture Organizations of the United Nations (FAO). Deadlines: Abstracts by October 1, 1986, and registration by March 15, 1987. For information contact: Martin O. Nelson; Chair, ISFA Steering Committee; Division of Resource Assessment and Conservation Engineering; U.S. National Marine Fisheries Service; 7600 Sand Point Way N.E., Bldg. 4; Seattle, Washington, 98115-0070, U.S.A.

HAPPY NEW YEAR!



THE TRIBUTARY

Newsletter of the Western Division,
AMERICAN FISHERIES SOCIETY

c/o Mark Hill, Editor
P.O. Box 8748
Boise, Idaho 83707

NOT-FOR-PROFIT
ORGANIZATION
U.S. POSTAGE
PAID
Seattle, WA.
Permit No. 2214

04433 L
ANTHONY NOVOTNY
1919 E CALHOUN
SEATTLE WA 98112