

# Western Division Continues to Lead

The Western Division continues to be a leader in the many diverse affairs of the American Fisheries Society. I attribute this to the strong support of the Chapter membership as well as our past leadership at all levels of Division and Chapter involvement. I hope to maintain the program continuity and initiatives that Bob White and other Past Presidents have begun. With the help of each and everyone of you, we can continue to mold the Division into a strong voice for the AFS. The Division has many initiatives being drafted this year and we need all of you to add your expertise and comments. I also encourage you to read the reports in this newsletter including AFS annual meeting activities; this will give you a good overview of our efforts this year.

The EXCOM has several goals for this year including revision of the by-laws, drafting of a procedural handbook, improvement of the newsletter, continued guidance of symposia and workshops, and coordination of the 1983 meeting with the Western Association. We plan to keep most committees intact from last year to maintain program continuity, but new or additional members are always welcome. I encourage committee chairmen to seek out willing members who are anxious to serve. Your involvement, no matter how small, is always welcome and *is really needed* to make the Division/Chapters function effectively. I also strongly encourage student member participation. As future fisheries leaders, your new ideas and vitality are needed.

A special welcome is due to our newest Chapter—the *Hawaii Chapter—Aloha!!!* I encourage all Chapters to communicate with the Hawaii Chapter to assist them in getting their feet on the ground. I'm sure they'd like to hear from you. Stan Moberly, Alaska Chapter, deserves our thanks for spearheading the drive to form the Hawaii Chapter.

There are also "wheels in motion" to establish a Mexican Chapter. Phil Pister, California-Nevada Chapter, is carrying the ball and we hope to have them on board this year. We are looking forward to the involvement of the Mexican fisheries professionals and students and to working with them in years to come.

Our newsletter editor, Glenn Phillips, is doing a super job of getting the newsletter out, so let's support him by getting all relevant information in to him for the next newsletter deadline, *April 20*. Chapters are continually asking for more recognition and involvement from the Division, so let's see all the Chapters provide reports for the next newsletter. We want to hear from you and what your programs are. Feel free to provide Glenn with all the news you can.

I look forward to working with all of you during the 1982-83 year, and welcome any suggestions you may have. Maybe I, or some EXCOM member, will see you at your annual meeting and we can discuss specific ways the Division can help your chapter. Until then, or the next newsletter, keep up the good work and we appreciate your support.—*Don Duff, President, Western Division*

## Northwest Power Act Protects Fish

It would be hard to find another piece of legislation that has the potential to do so much for fish and wildlife in the Columbia River Basin. It began as an attempt to provide regional planning, directed by the four Northwest States, to insure the Northwest of a reliable, cost-effective power supply. It emphasizes conservation and renewable resource development for meeting future energy needs. It also contains the important 4(h) section which provides for the mitigation, enhancement and protection of anadromous and resident fish and wildlife due to impacts from hydroelectric development. Continuing declines in what was once the world's largest salmon and steelhead resource, brought rise to this section of the Power Act.

The final program, adopted on November 15, confirms the Power Planning Council's commitment to mitigating hydropower impacts by adopting a vast array of agency and tribal recommendations. Agencies and tribes will have their own block of water ("Water Budget") to shape during the spring to assist downstream migration of juvenile fish over the dams. There are also numerous measures addressing opportunities for improving habitat, by-pass facilities at dams, hatcheries and more. The new hydro section provides an opportunity to set "off-limits" certain valuable streams from hydroelectric development in the future.

The program puts a recognized burden of accountability on the tribes and fish and wildlife agencies to work together in implementing cost-effective and durable mitigation measures. In general, there has been receptivity by the power community who stress the need for establishing clear goals for mitigation. In the final analysis, the time has come to overcome the long and often bitter conflicts in the Columbia Basin, for it is clear that we cannot reverse the consequences, if we do otherwise.—*Pat Graham, Montana*

### Division Budget

The Division treasury is in better shape than it has been in the recent past. As of July 21, 1982 the status of the budget was:

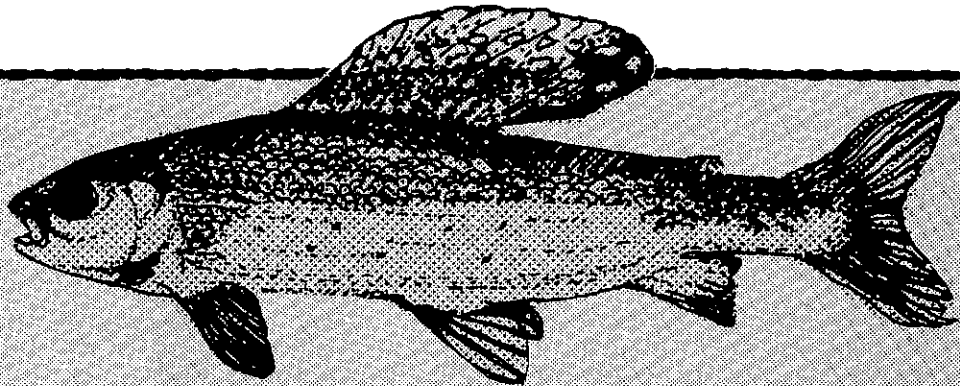
\$1,659	- July 1981 balance
7,118	- Deposits 1981-82
<u>5,278</u>	- Expenditures
\$3,499	- Balance

We are also expecting additional revenue from sale of the Habitat Inventory and Utilization Symposium Proceedings.

# THE TRIBUTARY

A NEWSLETTER OF THE  
WESTERN DIVISION,  
AMERICAN FISHERIES SOCIETY

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# Western Division of the American Fisheries Society

## Officers

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## Committee Chairpersons

Awards .....	Jack Griffith Idaho
Audit .....	Mary McAfee Colorado
Program .....	Stan Moberly Alaska
Riparian Habitat .....	Don Martin Idaho
Time and Place (1984) .....	Ross Peterson British Columbia
Time and Place (1985) .....	John Peters Colorado
Water Development and Streamflow .....	Tom Wesche Wyoming Dudley Reeser Colorado
Nominating .....	Bob White Montana
Student Concerns .....	Jim Reynolds Alaska
Membership Concerns .....	David Bennett Idaho
Public Lands .....	Vacant To be announced
Newsletter .....	Glenn Phillips Montana
Resolutions .....	John Peters Colorado
Audio-Visual .....	Mike Johnson California
Marine Fisheries .....	Gary Sakagawa California
Endangered Species .....	John Rinne Arizona
Self-Evaluation .....	Bob White Montana
Membership .....	Tony Novotny Washington

# Forest Planning and Fish

National Forests throughout the United States are in the process of formulating ten year management plans. Plans are being completed under the requirements outlined in the National Forest Management Act. These plans will largely determine the future condition of many of our most important watersheds and have obvious implications to fisheries both on and off National Forests. Unfortunately, most National Forests are under tremendous pressure from the Reagan administration to increase commodity outputs including timber and range. Forest plans released to date reflect this rapid development orientations with most plans calling for more roads, increased timber harvest, and accelerated sedimentation.

This emphasis is difficult to swallow, considering the ever increasing importance of forested public lands for providing fish and wildlife related recreation. Particularly since increasing numbers of private landowners are beginning to charge access fees for hunting and fishing rights.

Forest Service fish and wildlife biologists have worked hard to protect fish and wildlife values on forest lands but they are far outnumbered within the Forest Service by professionals with more commodity oriented training. Timber harvest goals are being set in Washington D.C. and forests are pressured to meet these goals. Involvement in the planning process by citizens and professionals who have on the ground familiarity with individual forests is very much needed. The willingness of WDAFS members to organize and work with citizens groups could largely determine the future of our National Forests.

In some regions, citizens groups have successfully influenced plan direction by formulating citizen's forest management alternatives. A monthly periodical (called **Forest Planning**) designed to help citizens and professionals participate in the planning process is available from the Nationwide Forest Planning Clearinghouse at a cost of \$7.00 per year. The useful document can be obtained by writing Forest Planning, c/o CHEC, P.O. Box 3479, Eugene, OR 97403, or call (503) 686-4360. Get involved!

## Privatization: Public Hunting and Fishing Lands May Dwindle

Privatization of public lands threatens to become one of the most important fish and wildlife resource issues of the 1980s. The following article, written by Chuck Griffith, National Wildlife Federation, Western Regional Executive, reflects the views of that organization.

What is "privatization?"

Besides being the newest buzzword among the Sagebrush Rebels, it describes the newest Administration approach to turn publicly-owned lands into private ownership, supposedly to decrease the national debt.

Having lost the Sagebrush Rebellion, the Sagebrushers now intend to turn over the federal public lands to private interests, not to the states. In most instances, the states simply didn't want to bear the responsibility for and cost of maintaining these lands, despite the fact they contain some of America's richest natural resources.

So, let's take a look at privatization and where we stand on it now.

### Privatization Primer

As mentioned, privatization is a plan to sell public lands to private interests with the intent, as announced, to raise \$17 billion in revenues by 1987 to help cut the national deficit. It is, in fact, the latest effort to turn millions of acres of public rangeland over to private ownership.

How much land is at stake?

Interior Secretary Watt claims that up to 35 million acres of public lands could be sold under the land disposal program. Senator Paul Laxalt (R-Nevada) claims that up to 170 million acres of rangeland should be sold to livestock operators who hold grazing permits on these publicly-owned lands.

How does this happen?

A Real Property Review Board was established by Executive

## Robert L. Borovicka February 21, 1920 - June 22, 1982

Robert L. Borovicka, a fisheries biologist for 36 years, died 22 June at his cabin near Bend, Oregon. Borovicka was a life-long Oregonian, having been born in Portland, Oregon in 1920. He is survived by his wife Georgia, and their children Kathy, Tom, Jim, Angela, Carla and Bobbie Jo.

Borovicka graduated from Oregon State College in 1942 with a degree in Fisheries. After a four year tour as an artillery officer in World War II, Borovicka began a 20-year career with the Oregon Department of Game. He was initially hired to conduct special lake and stream studies in central Oregon, being named in 1948 as the District Biologist for the Bend District. From 1957 to 1966, he was the Chief, Coordinating Fishery Biologist for the Oregon Game Commission in their Portland Office.

In 1966, Borovicka left the Oregon Game Commission to go to work for the Bureau of Land Management in the Portland Service Center. He was the first fisheries biologist hired by BLM. For several years he worked throughout the western U.S., helping to develop fisheries programs in all states in which BLM had offices. When the Service Center was closed, Borovicka remained as Fishery Biologist in the Oregon State Office. He left this position in 1977 to become Chief of the Branch of Range, Watershed and Wildlife in the Oregon State Office, a position he held until his retirement 30 April, 1982.

Borovicka became a member of the American Fisheries Society in 1946. He served on many committees at the Chapter, Division and National level, and was one of the first presidents of the Oregon Chapter. He was active in other professional groups, serving as National President of the American Institute of Fishery Research Biologists in 1977 and 1978.

While with the BLM, Borovicka was involved in many projects, including the Alaska Pipeline, the California Desert Study, and in development of programs for Threatened and Endangered Species. He was one of the founders of the Desert Fishes Council. Borovicka also continued his association with the U.S. Army, eventually retiring from the Reserves as a Lt. Colonel, Artillery.

Borovicka was well known and respected by those he worked with, particularly in the Western States. He played a major role in upgrading the quality of management of aquatic resources on public lands. Always willing to assist new biologists, he helped many men and women throughout their early careers. Even though he is gone, his influence will be felt for many years to come. For further information please contact: Arthur Oakley or Neil B. Armantrout, Bureau of Land Management, Oregon State Office, Box 2965, Portland, Oregon 97208, (503) 231-6866/6870.

## Publications

Bob Carline and his Committee have rewritten and published the popular booklet *Fisheries as a Profession*. The booklet is available at the AFS Central Office at 50¢ for the first copy, 25¢ for additional copies, and a minimum order of \$1.00.

The *Aquatic Habitat Inventory and Utilization Symposium* held October 1981 under Chairman Neil Armantrout is in the process of being published. Sales will be by the Executive Director's Office at \$20 per copy, beginning this fall.

*Best Management Practices for the Management and Protection of Western Riparian Stream Ecosystems* has just been published. It is an excellent 45-page guide on how to protect streams from a wide range of natural and manmade perturbations. Authored by the Riparian Habitat Committee, the publication is available for \$5.00 by writing Carl Sullivan, 5410 Grosvenor Lane, Bethesda, MD 20814.

*Monetary Values of Freshwater Fish and Fish Kill Counting Guidelines*, AFS Special Publication No. 13, will be available from the AFS office with a special \$8.00 price tag for members. Nonmembers will pay \$10.00. Prepared by the AFS Monetary

Order to expedite disposal of these federal properties, mostly rangeland, forests and wildlife refuges.

Federal agencies were ordered to inventory land under their jurisdiction and suggest disposal areas to the Board. Four million acres already have been identified as disposable. Discounted conveyances to state and local governments, once the announced purposes of the Sagebrushers, has been ended.

### Realtors Enlisted

Realtors have been enlisted in the program to nominate land for disposal.

What about Congress?

Senate Resolution 231 (Senator Percy, Ill.) and House Resolution 265 (Rep. Winn) endorses the administrative actions already taken.

Legislation is anticipated to legalize privatization by amending a broad range of public land and conservation law.

What is the Federation position?

The Federation supports existing Congressional policy of retention of the public lands.

The Federation supports existing procedures which allow for disposal of individual parcels of land which, through land use planning and public input, are found to be not in the public interest to retain.

### Secret Inventory

The Federation opposes the secret and accelerated inventory now being conducted by the Forest Service and the Bureau of Land Management, under direct orders from the Administration. This inventory is intended to meet budgetary targets and does not adequately consider public benefits of public land ownership.

The Federation opposes changes in existing law which will allow short-term monetary gain to override the public benefits of stewardship of public resources for the long-term benefit of society and future generations."

## Legislation

### Oregon's Riparian Property Tax Exemption Program

This law's provision for a property tax exemption on private lands adjacent to Oregon's streams is intended to encourage private landowners to protect or restore streamside vegetation. A participating landowner would pay no property tax on the streambed and streambank up to one hundred (100) feet landward from each side of the stream channel if the Department of Fish and Wildlife has approved the land as riparian and concurs with the owner on measures for stream corridor protection or rehabilitation. Fishery leaders in other western states should consider pursuing similar legislation.

### NMFS Habitat Protection Budget Slashed

The importance of habitat protection was stressed in an AFS letter to Senator Lowell P. Weicher, Jr., Chairman of the Senate Subcommittee on Appropriations. We have asked Senator Weicher's assistance in preventing a serious fund reduction (\$3,611,000) in the F.Y. 1983 National Marine Fisheries Service Budget for work related to habitat protection. The House Subcommittee elected to restore several drastic cuts in the budget recommended by the administration. However, the House did not restore the funds targeted for habitat protection.

### D-J Expansion Delayed

Despite the optimism on D-J Expansion and the alleged support of the House and Senate Tax Bill Conferees, D-J was dropped from the Tax Bill near the end of the marathon Conference Committee meeting. The compromise D-J package had been endorsed by virtually all sides of the issue, so its abandonment came as a surprise to supporters. It obviously reflects lack of support from Congressman Dan Rostenkowski and Senator Robert Dole, who served as Chairmen of House and Senate Conference Committees respectively. Next step in strategy has not yet been decided.

Values of Freshwater Fish Committee, and Southern Division Pollution Committee, the publication was edited by Society Editor, Robert Kendall. It provides schedules of replacement values for freshwater fish throughout the United States, the values backed by a detailed sampling protocol that allows the magnitude of fish kills to be estimated with optimum statistical validity.

An *Indexed Bibliography on Stream Habitat Improvement*, published in August 1982, contains 828 references on stream habitat improvement. The document is available free of cost from Don Duff, U.S. Forest Service, 324 25th Street, Ogden, UT 84401.

*The Sport Fishing Resource of the National Forests* was published in May 1982. To obtain a free copy write USDA, Forest Service, Washington D.C. 20240.

Also available from the Forest Service is the recent publication, *Wildlife User Guide for Mining and Reclamation*, General Technical Report INT 126. This useful report can be obtained by writing the Intermountain Forest and Range Experiment Station, Ogden, UT 84401.

## Parent Society News

### *Editorial Structure Reorganized*

The EXCOM voted unanimously to adopt in principle a new editorial structure which when implemented will create the position of AFS Managing Editor. The Managing Editor will be able to provide much more editorial consultation to the Society's many Divisions, Sections, Chapters, and Committees. Though the new structure was approved in principle, it will not be implemented until Society resources permit and the EXCOM has given the go-ahead. Such a decision will also await a study by the Editorial Policy Committee to determine what constitutional and bylaw changes will be necessary to implement the change. The estimated additional costs are roughly \$50,000 per year.

### *Equal Opportunity*

The EXCOM directed that the Equal Opportunity Committee be asked to draft as AFS policy statement on equal opportunity in fisheries and present it to the spring 1983 EXCOM meeting for consideration. In discussing the proposal there was general EXCOM agreement that AFS should be more aggressive in its support of equal opportunity.

### *North American Journal of Fishery Management*

Mercer Patriarche, Editor of the new management journal is encouraging fish managers to start writing for this publication. According to Mercer, "ninety manuscripts were submitted in 1981 and, to date, 65 have been received for 1982. About 1/3 of the papers published so far were written by fish managers. However, although the Western Division contains about 36% of the membership of AFS, only 19% of the papers published in 1981 and also 18% of the papers for 1982 have been furnished by this Division. So the challenge and opportunity is there. At the present time, the average interval between submission and publication is 8 months. Individual members who subscribe now total 2,271. Three Associate Editors on the current Editorial Board are members of the Western Division and have been performing a real service to the Journal and the Society—Bob Wiley, Kirk Beiningen, and H.A. (Bert) Larkins. A number of the Division members have contributed their time and expertise for reviewing manuscripts, as well, and these efforts are certainly appreciated."

## Resolutions

### *Western Division*

Six resolutions were submitted by John Peters, Chairman, WDAFS Resolution Committee, and approved at the business meeting. The six resolutions dealt with: (1) Transfer of Public Water Rights on Public Lands, (2) Amendment to Magnuson Fisheries Conservation and Management Act, (3) Canadian

Management of Chinook Salmon, (4) Alter Continental Shelf Revenue-Sharing for Fisheries Programs, (5) Recommendations Regarding Changes in Section 404 of the Clean Water Act and, (6) The Effect in Compensation and Mitigation for Fish and Wildlife Resources.

If you are interested in drafting a resolution contact John.

### *Sport Fishing Institute*

The Sport Fishing Institute recently adopted the following resolution dealing with small-scale hydroelectric projects.

WHEREAS, resident and migratory fish populations in flowing water ecosystems are vulnerable to impoundment, diversion and alteration of chemical characteristics as a consequence of the development of instream hydroelectric facilities; and

WHEREAS, the economic feasibility of small-scale hydroelectric project development has been made more attractive by recent federal legislation, including the National Energy Act of 1978 and the 1980 Crude Oil Windfall Profit Tax Act, and as a consequence the number of applications for preliminary permits for small-scale hydroelectric projects has increased some fiftyfold; and

WHEREAS, the Federal Energy Regulatory Authority (FERC) has adopted streamlined procedures (Order 202) to handle the increased load by categorically exempting from the standard licensing procedures certain hydroelectric projects with generating capacity of less than 5 megawatts, and these shortcut procedures adopted by FERC to expedite hydro development fail to adequately protect fish and wildlife resources; and

WHEREAS, legislation (S. 1299) which would exacerbate the situation has been introduced which would allow FERC to categorically exempt from the standard licensing procedures hydroelectric projects with total installed capacity equal to or less than 15 megawatts;

NOW, THEREFORE BE IT RESOLVED, that the Board of Directors of the Sport Fishing Institute, assembled in regular Annual Meeting this 4th day of May, 1982 at Washington D.C., recognizing that passage of S. 1299, a bill that would extend (from 5 to 15 megawatts capacity) the minimum for categorical exemption from standard licensing procedures, would exacerbate inadequate protection of fishery resources resulting from rules promulgated (Order 202) by the Federal Energy Regulatory Commission that already grants such exemption to hydroelectric facilities of less than 5 megawatts capacity, calls upon Congress to reject any attempt to exempt hydroelectric projects in excess of 5 megawatts from federal licensing requirements and to insist on mandatory scrutiny of potential impacts on fish and wildlife resources of such projects by appropriate state and federal fish and wildlife agencies.

## Western Division Annual Meeting

### *1982 Conclave Well Attended*

The Western Division held its annual meeting July 18-22, 1982 at the Tropicana Hotel Las Vegas, Nevada in conjunction with the Western Association of Fish and Wildlife Agencies; one hundred and nine persons registered. Officers installed included Don Duff (UT), President; Stan Moberly (AK), President-elect; and Neil Armantrout (OR), Secretary/Treasurer; Al Elser (MT), was elected to the Parent Society Nominating committee.

The theme of this year's conference was "Allocation of Natural Resources on Public Lands—The Challenge of the 80's." Don Duff and his committee did an excellent job of putting together the program. The six technical sessions were well integrated with Western Association sessions and covered such timely topics as the influence of energy development; compatibility of livestock, fish and wildlife management on public lands; aquatic habitat management; The Endangered Species Act; political strategies; and more.

The executive and business meetings were well attended with 11 of 16 Chapters represented. Carl Sullivan and Mercer Patriarche summarized Society activities and status of the North American

Journal of Fishery Management, respectively. Numerous items of business were acted upon including passing nine resolutions; reducing the number of newsletter editions from three to two to improve quality and reduce cost; expanding awards to include a student award; dedicating our annual meeting, the Rocky Mountain Habitat Workshop and the proceedings of the Acquisition and Utilization of Aquatic Habitat Symposium to recently deceased member Bob Borovicka; approval of funds for publishing the Riparian Best Management Practice Paper; setting aside 50% of the proceeds from symposia for supporting future symposia; and providing \$200 for the Permanent Home Fund Raffle.

The 1982 Award of Excellence was presented to Phil Pister, California Department of Fish and Game for his outstanding contribution to fish management and the Outstanding Chapter Award went to the Oregon Chapter for their many notable accomplishments, particularly the passage of the Oregon Riparian and Instream Habitat Tax Incentive Bill.—*Bob White, Past President, Western Division.*

#### Jackson Hole - 1983

The 1983 Western Division AFS Meeting is scheduled for July 10-14, 1983, in Jackson, Wyoming. Program chairman Stan Moberly is charting a nice course for the Division. Tentative technical sessions are as follows:

1. *User perception of the Fishery Resource in the Mountain West.* Coordinator: Mr. R.P. Van Gytenbeek, Federation of Fly Fishers, Denver CO. The goal is to generate some good, lively discussion.
2. *Fishing Regulations, Use and Abuse.* Coordinator: Art Whitney, Montana Dept. of Fish, Wildlife and Parks. A session to discuss the whys and wherefores of angling regulations.
3. *Fish Stock Assessment in Large Rivers.* Coordinator: Steve Yundt, Supervisor, Fish Population/Biostatistics Unit, Wyoming Game and Fish. A session to illustrate the importance of accurate stock estimates in large rivers.
4. *A session to consider the balance between stocking fish and habitat maintenance (tentative theme).* Coordinator: Stan Moberly; Alaska Dept. of Fish and Game.
5. *Standardizing Habitat Evaluation Systems.* Coordinator: Bill Helm for the Bonneville Chapter, AFS.
6. *Marine Fishery Issues.* Coordinator: Dr. Gary Sakagawa, NMFS, La Jolla, CA.

The business meeting will be held the afternoon of the second day of the conference. There will also be a joint meeting of the executive committees to WDAFS and WAFWA.—*Bob Wiley, Program Liaison*

## Other Meetings and Symposia

The Annual Conference of the *California Aquaculture Association* will be held February 23, 24, 25, and 26, 1983 at the El Dorado Hotel in Reno, Nevada. This year the conference will focus on aquaculture in the west coast states. In addition, technical how-to short courses will be conducted by the U.S. Fish & Wildlife Service. For further information contact: George Ray, Secretary of CAA, P.O. Box 1004, Niland, CA 92257, 619-348-0547.

The *California-Nevada Chapter* will be holding its annual meeting January 13-15 at the Hilton at the Park in Anaheim. Session topics include: The future of black bass fishing in California—views from the anglers and biologists; alternative energy problems; and professional education. There will also be sessions for contributed and student papers. Program Chairman Dan Odenweller informs us that there is still room for additional contributed papers. If you are interested contact Dan at 4001 N. Wilson Way, Stockton, CA 95205.

The 23rd annual meeting of the *Great Plains Fishery Workers Association* will be held February 21-23, 1983, at the Holiday Inn in Minot, North Dakota. If you are interested in presenting a paper send your name, address and a short abstract to Fred Ryckman, North Dakota Game and Fish Department, 2121 Lovett Avenue, Bismarck, ND 58505, by December 1, 1982.

The winter technical meeting of the *Bonneville Chapter* of the American Fisheries Society will be held February 8-9, 1983 at the University of Utah, Student Union Theater, Salt Lake City.

Anyone wishing to present a paper at the technical session should contact Randy Radant, c/o Utah Division of Wildlife Resources; 1596 West North Temple; Salt Lake City, Utah 84116 (533-9333 ext 209).

The American Society of Photogrammetry is seeking a Western Division AFS member to assist in local arrangements and planning for a Seattle symposium titled *Application of Remote Sensing to Resource Management*. The symposium is scheduled for May 1983. Anyone with remote sensing background or interest in the Seattle area, contact Don Duff at 801-625-5662 (FTS 586-5662).

An *Urban Fishing Symposium* is scheduled for Grand Rapids, Michigan, October 6-7, 1983. This symposium will address urban recreational fishing resources and their future potentials. We urge any WDAFS members involved in urban fishery management to contact symposium organizers and plug western urban fishing resources into the program. For more information contact Bill Jeffries, 1210 Ann Avenue, Excelsior Springs, MO 64024, (806) 637-3809.

The *Oregon Chapter's Annual Meeting* will be held in Corvallis, February 2, 3, and 4. Jim Newton, program chairman, reports that plans are well advanced for the technical sessions. Good participation from fisheries students at Oregon State University is anticipated. For further information contact Jim Newton, 8134 S.W. 74th Avenue, Portland, OR 97223.

The *Desert Fish Council* will hold its annual symposium November 18-22 at Arizona State University, Tempe, AZ. Special features this year will be mini-symposia relating to the Cuatrociénegas of Coahuila, Mexico, and the role of predation in a desert aquatic ecosystem. For further details contact Phil Pister, Program Chairman, 407 West Line Street, Bishop, CA 93514.

The annual meeting of the *Colorado-Wyoming Chapter* will be held March 23, 1983 at the University of Wyoming in Laramie. For additional information contact Bruce Smith, President, 2403 Victor Road, Rock Springs, WY 82901.

The *Montana Chapter* will be holding their annual meeting February 23-25, 1983. The location is still undetermined. For details contact Pat Graham, 1837 Stag Lane, Kalispell, MT 59001.

## Awards

Several awards were presented at the 1982 annual WDAFS meeting. The *Oregon Chapter* received a trophy plaque for its efforts in the successful passage of riparian area management tax reforms by the Oregon Legislature, as well as its efforts in Pacific Northwest anadromous fish programs and power planning councils, audio-visual aids, brochures on small hydropower projects, and its increasing role in bio-political activities. The Divisions Award of Excellence was awarded *Phil Pister* (CA) for his dedicated efforts in AFS internationalism with Mexico, and his past accomplishments and initiatives in T/E species management in California and the Desert Fishes Council. *Dr. Allen Binns* (WY) was awarded a monetary prize for his winning poster display on stream habitat improvement in Wyoming.

The Bonneville Chapter held its annual meeting last February at the University of Utah. Best paper awards went to *Fred Everest* (U.S. Forest Service) for his paper "A new method for interpreting textural composition of spawning gravel" and to *Steve Lanigan* (Utah State University) for his paper "Analysis of Catch Data from an Idealized Gill Net Fishery." Awards of merit were presented to *Dexter Pitman*, *Kirt Carpenter*, and *William White*. *Warren 'Pete' White* received the Outstanding Fish Culturist Award.

Winner of the Best Paper in the TRANSACTIONS for the 1981 volume was "Forage Fishes and their Salmonoid Predators in Lake Michigan" by *Donald J. Stewart*, *James F. Kitchell*, and *Larry B. Crouder* from the Laboratory of Limnology and Department of Zoology, University of Wisconsin. The runner-up paper was by *Bruce Rogers* and *Deborah Westin* of the University of Rhode Island, Graduate School of Oceanography, entitled "Laboratory Studies on Effects of Temperature and Delayed Initial Feeding on Development of Striped Bass Larvae."

Distinguished Service Awards, presented each year by the Parent Society EXCOM in recognition of especially outstanding service to the Society, were given to *Ed Mertens*, of San Francisco, California and to the *AFS Staff* in Bethesda.

## Utah Slide Modules

According to Chuck McAda, the Bonneville Chapter of AFS is presently putting together a series of slide modules to be used in their public information program. Topics include trout life history and value of fisheries, trout stream ecology, and nongame fishes. If you would like additional information on the future availability of these modules contact Chuck McAda, Box 3442, Grand Junction, CO 80501.

## Nominations Needed

It's never too soon to start thinking about the representation and leadership of our Society. The Western Division has been fortunate in the past to have nominated some high quality folks for national office; we even got a few elected. There are some outstanding candidates in the Western Division right now and I feel it is important to place their names in nomination. Please send your recommendations for national office to Al Elser, Montana Dept. of Fish, Wildlife and Parks, Box 430, Miles City, MT 59301. Remember our representation in Society matters is only as good as the officers we nominate and elect.

## Eat Fish—Think Better!

Who said fish isn't brain food? Choline, a chemical found naturally in fish, has been reported to increase learning abilities as much as 25%. Tests conducted by the National Institute of Mental Health found that in controlled tests, college students were able to memorize word sequences faster after taking choline.

—“Flashes”, Oct. 1978, newsletter of the National Fisheries Institute.

## Editor's Note

How much does the newsletter cost the Western Division? Last year's expenses included:

Postage	- \$ 805.24
Mailing labels	- 120.55
Printing and outlay	- 1,138.04
Total	\$2,063.33

The executive committee voted to cut down on expenses by issuing only two newsletters this year (Fall and Spring) and to circulate the Spring Newsletter early enough to prevent the need for first class postage; first class postage was previously required to insure that election returns arrived prior to the annual meeting. We hope to make up for the loss of one issue by including more information in the remaining two issues. I am sure the executive committee would like to know how you feel about this. I would also appreciate hearing your reaction to the new newsletter format.

How would you like a chance to express your opinion to the rest of the membership on the value of meetings, the way a particular resource agency responds to fish and wildlife issues or any other topic of concern? *The Tributary* is now soliciting *Letters to the Editor*. Let's hear from you!—Glenn Phillips, Editor

**The Tributary**  
c/o Glenn Phillips  
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## THE TRIBUTARY

A NEWSLETTER OF THE  
WESTERN DIVISION,  
AMERICAN FISHERIES SOCIETY

