

The Tributary

A Newsletter of the Western Division, American Fisheries Society

Volume 23, No. 4, December 1998

WESTERN DIVISION MEETING 99'

First call for papers

Mark your calendars! The Western Division has set the dates (July 11 - 14, 1999) and the place (University of Idaho in Moscow, Idaho) for the 1999 meeting. Because last year's meeting was held in September, the time for planning and organizing a meeting is shortened. We hope the response for papers will be enthusiastic. We're planning an inexpensive meeting and hoping for a good response from students. See you there!

CONTRIBUTED PAPERS AND POSTERS

Again this year, the program will include two types of presentations: contributed papers/posters and symposia. Symposia include both panel discussions and workshops. Oral presentations will be limited to 20 minutes a 15-minute presentation with 2" x 2" slides, followed by a 5-minute question and answer session. In a symposium format, two 20-minute time slots may be used for a keynote speaker or a panel. Your Program Committee solicits your abstracts for contributed papers, posters, and symposia. Each abstract must follow the accompanying format. **THE DEADLINE FOR ALL SUBMISSIONS IS March 19, 1999.** The Western Division does not waive registration fees for symposia, workshop, poster, or contributed paper participants.

SYMPOSIA

Proposals for symposia will be accepted from groups or individuals. Topics should be of general interest to Western Division members. A symposium may be either a partial day or a whole day. Those proposing a symposium will be expected to develop the symposium, arrange for the speakers, and chair the symposium (or arrange for others to do those tasks). Organizers of proposed symposia must submit a completed outline, indicating all speakers are confirmed and the titles of their talks on or before February 19, 1999. Abstracts for each approved symposia speaker (in the same format as contributed papers) are due on or before March 19, 1999.

FORMAT FOR SYMPOSIA PROPOSALS

1. **TITLE:** Brief but descriptive
2. **ORGANIZERS:** Provide name, address, phone, fax, and email of all organizers. Indicate with an asterisk whom should be contacted about the acceptance and scheduling of the proposed symposium.
3. **DESCRIPTION:** In 300 words, describe the problem the symposium will address, the objective and the impact the proposed symposium will have on fisheries resources and or fisheries managers.
4. **FORMAT:** Describe the format and length of the proposed symposium (e.g., a half-day symposium, or a one-day symposium with 15 speakers, followed by a panel discussion).
5. **MODERATOR:** Identify (Name and title) the session's moderator.
6. **AUDIOVISUAL NEEDS:** Describe anticipated AV needs (e.g., slide projector, screen). Overhead projectors are not encouraged; video projection machines will not be

available unless rented by the speaker or the session sponsor. Any special needs should be requested well in advance of the meeting.

7. **SPEAKERS AND TOPICS:** Using the following headings, please provide: *Name, Title, Paper title, Topic Confirmed*
8. **SPONSORS:** Sponsors are not required, but, if a symposium is sponsored, please indicate the sponsor, so they may be properly acknowledged in the program.

FORMAT FOR ABSTRACTS

Each abstract must be submitted electronically using the format in the accompanying example. Title should be brief but descriptive. List all authors, title or affiliation, address, phone, fax, and email. When there are multiple authors, indicate the presenter(s) with an asterisk. **The abstract is limited to 200 words.** If your submission is a contributed paper, please indicate your preference for
1) Oral Presentation,
2) Poster Presentation, or
3) Oral Presentation Preferred/Poster Presentation Acceptable.

A poster session will be scheduled which will allow interaction between poster authors and the attendees.

GENERAL TOPICS FOR CONTRIBUTED PAPERS AND POSTERS

Fisheries Management, Aquatic Ecosystems/Communities, Human Dimensions of Fisheries, Endangered Species, Education, Fish Health, Fish Culture, Genetics, Physiology, Habitat and Water Quality, Population Dynamics, Marine Fish Ecology, Bioengineering, Freshwater Fish Ecology, Fisheries Administration/Policy, Introduced Species, International Fisheries, and Fish History.

CONTACTS

Submit all materials (symposia proposals, contributed paper abstracts, and poster abstracts) via email to Ken Hashagen at khashage@hq.dfg.ca.gov. All submissions should be in WordPerfect 6.0 or earlier. Use a standard 12-point font and left justification only. If you do not have access to email, you may submit a 3.5" floppy disk to Ken Hashagen, 3512 N. Lakeshore Blvd., Loomis, CA 95650. Questions may be directed to Ken at 916/327-0712 (days). **Late submissions and facsimiles WILL NOT be accepted.**

An Example of an Abstract for the 1999 Western Division Meeting

K.A. Hashagen (California Fish and Game, 1416 Ninth Street, Sacramento, CA 95814; 916/327-0712, FAX 916/324-0475; khashage@hq.dfg.ca.gov)

Title: The Preparation of Abstracts for Scientific Conferences

Abstracts are used by the Program Committee to evaluate and select papers for inclusion in the scientific and technical sessions of the 1999 Western Division, American Fisheries Society's annual meeting. An informative abstract contains a statement of the problem and its significance, study objectives, principal findings, and key conclusions. Abstracts should be 200 words or less and conform to the prescribed format.

Topic: Fisheries Management

Preference: Oral presentation preferred/poster session acceptable

Authors Status and Association to AFS

Name	Status	AFS member
1. K.A. Hashagen	professional	yes

AFS Society NEWS

The AFS invites applications for the position of AFS executive director. See the notice on page 40 of the December Fisheries and on the web site at http://www.fisheries.org/executive_announce.html. The executive director is the Society's most important and influential staff leader, and the Search Committee is looking for strong administrative, communication, team-building, and fund-raising skills as well as broad knowledge of aquatic resource issues and governmental operations. Deadline for applications is 14 January 1999.

The draft revised AFS Strategic Plan, 1999-2004, is available for review by members. The Strategic Plan Revision Committee, chaired by Barbara Knuth of Cornell University, has been working on the new plan for the past year. Two 1998 Governing Board retreats, previous plans, and numerous comments from AFS leaders have contributed to the current draft. Before finalizing the plan and submitting it to the Governing Board for a vote at the March 1999 midterm meeting, the committee is soliciting a final round of review comments. You can access the draft plan at <http://www.fisheries.org/governance/PLNDRF/stpln opn.htm>. Send comments to Barbara Knuth (bak3@cornell.edu) before 15 January 1999. Don't miss this opportunity to help shape the future direction of AFS!

INSIDE HIGHLIGHTS!

Annual Report

WDAFS Scholarship Awards

WDAFS Grants

Professional Development

Value of Coldwater Fish Conference

The Tributary is distributed to 3,671 WDAFS members and exists as a forum to present fisheries-related information. The editor is Paul Evans. If you have information you would like to have included in The Tributary, please contact us at:

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WESTERN DIVISION, AMERICAN FISHERIES SOCIETY

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Submissions for the next issue of The Tributary are due by March 12, 1999.

BULK RATE
U.S. POSTAGE

PAID

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INTERESTED IN BECOMING A DIVISION OFFICER?

For the last several years it has been difficult locating qualified candidates for the Western Division Executive Committee. But the Division needs your help. In 1999 we will elect a new vice-president to enter the 4-year president's cycle, a secretary-treasurer to serve two years beginning in July 1999 (Ed Cheslak is currently serving the balance of a 2-year term from which the original secretary-treasurer resigned), and a national nominating representative to serve a one year term. Following are descriptions of officer requirements and duties from the Division bylaws:

SECTION III. Officers and Representatives

- A. The officers of the Division shall be the President, President-Elect, 1st Vice President, and the Secretary-Treasurer.
- B. Representatives for the Division in Society matters shall be the Division Representatives to the Society Governing Board and the Division Representative to the Society Nominating Committee.
- C. All candidates must be members in good standing for at least two years immediately preceding their nomination. Also, they must have attended an annual meeting of the Division in one of the preceding three years.
- D. The Division President, President-Elect, and 1st Vice President shall serve for a period of one year, and shall be ineligible for re-election to the same office for a period of one year after the expiration of their term. The Secretary-Treasurer shall serve for a period of two years and shall be eligible for re-election for a maximum of two consecutive terms and shall be ineligible for re-election for a period of one year after the expiration of a second term.
- E. As defined in Article III.4 of the AFS Constitution, the Division representatives to the Society Governing Board will be the President and President-Elect and will serve for a one-year term. In addition, a proxy may be designated should either of these officers be unable to attend a Governing Board meeting providing the Executive Director is notified in writing in advance of the meeting. This proxy may be any Past President or elected officer of the Division not currently a member of the Governing Board or acting as a proxy.
- F. In the event of postponement or cancellation of an annual meeting, the officers and representatives shall continue to serve until the next general membership meeting.
- G. If an elected officer cannot complete the term of office, the Executive Committee is authorized to appoint a replacement until an election is held.

SECTION IV. Duties of Elected Officers and Representatives

- A. The President shall
 1. Preside at all meetings.
 2. Serve as Chair of the Executive Committee.
 3. Be a member of the Society's Governing Board.
 4. Appoint committee chairs and perform other functions as authorized.
 5. Present reports of Division activities at the annual meeting of the Division, at meetings

of the Society's Governing Board, and at annual meetings of the Society.

- B. The President-Elect shall
 1. Assume the duties of the President if the President is absent or unable to act.
 2. Serve as Co-Chair of the Program Committee.
 3. Prepare and present a detailed budget for the next fiscal year for review by the Division's Executive Committee and membership approval at the annual meeting.
 4. Be a member of the Society's Governing Board.
 5. Automatically become President at the conclusion of the Society's annual business meeting.
- C. The Vice President shall
 1. Assume the duties of the President-Elect if the President-Elect is absent, unable to act or assumes the Presidency.
 2. Automatically become President-Elect at the conclusion of the Society's annual business meeting.
 3. Coordinate the activities of the Division standing and technical committees and serve as liaison between the committees and the Executive Committee.
 4. Ensure that committee products concerning advocacy and policy follow a review and action pathway through the Policy Review Committee, Environmental Concerns Committee, and/or the Executive Committee in accordance with the Division Advocacy Procedures and these Bylaws.
 5. Serve as Chair of the Membership Committee.
 6. Serve as a member of the Program Committee.
- D. The Secretary-Treasurer shall
 1. Keep the official records of the Division, conduct its correspondence, and collect and be custodian for any fees or assessments authorized by these Bylaws or funds allotted to the Division by the Society.
 2. Disburse funds only as authorized by either the membership or Executive Committee.
 3. Submit a report on receipts and disbursements at the Division's annual meeting.
 4. Perform other duties requested by the Society's Executive Director.
 5. Submit the minutes of the annual meeting to the Society's Executive Director and the Division Executive Committee within 30 days following the meeting.
- E. The Immediate Past President shall
 1. Serve as an ex-officio (non-voting) member on the Division's Executive Committee.
 2. Serve as Chair of the Division Nominating Committee.
 3. Serve as Chair of the Division Awards Committee.
 4. Serve on the Policy Review Committee.
- F. The Division Representative to the Society Nominating Committee shall
 1. Search the Western Division membership for potential candidates to Society officerships and aid their nomination.

SECTION V. The Division Executive Committee

- A. The Division Executive Committee shall consist of five elected officers and the President

of each Chapter within the Division.

- B. It is authorized to act for the Division between meetings and transact necessary business.
- C. A quorum for an Executive Committee meeting shall consist of four of the five elected officers and one-third of the Chapter Presidents. If unable to attend an Executive Committee meeting, the Chapter President may appoint one of the Chapter officers to represent the Chapter, with full voting rights. If such substitution is made, the Division Secretary shall be notified prior to the meeting.

If you think you might be interested in serving on the Excom or know someone who would make a good candidate, please contact Pete Bisson at (360) 753-7671 or e-mail him at bissonp@olywa.net.

1999 WDAFS AWARD FIRST CALL

It is not too early to start thinking about 1999 WDAFS awards. There are many worthy individuals and organizations who have made substantial contributions to AFS and to fisheries conservation and management in western North America, and we would like to recognize them at our annual meeting. All you have to do to nominate someone or some organization for an award is write a letter stating why they are deserving of a particular award and send it to WDAFS past-president Pete Bisson at USDA Forest Service, Forestry Sciences Laboratory, 3625 93rd Avenue SW, Olympia, WA 98512-9193, or e-mail him at bissonp@olywa.net. Award winners are honored at the Western Division banquet or business meeting. The Western Division has several award categories:

Member Awards

Award of Excellence: Given annually to a member who has demonstrated outstanding sustained achievement in our profession. This is the highest award given by the Division.

Award of Merit: Given annually for a unique or special contribution involving service above and beyond the normal call of duty. This award may be awarded to several individuals and is given for successful completion of a special project such as a workshop, book, or public education effort.

Award of Special Recognition: Given annually for outstanding contributions to Division activities, such as service on a committee, sustained contributions to the newsletter, etc.

Non-Member Awards

Robert Borovich Conservation Award: Given annually to a volunteer organization, sport fishing group, watershed council, or environmental organization for outstanding efforts to promote fisheries or aquatic ecosystem conservation.

Conservation Achievement Award: Given annually to a federal, state, or tribal natural resource agency for its conservation projects.

Riparian Challenge Award: Given annually to one or more federal land management agency (USFS/BLM) local districts for outstanding riparian protection and restoration projects. Ron Wiley, chair

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1997-98 WESTERN DIVISION ANNUAL REPORT TO THE AFS

Prepared by Peter Bisson, Past President, Western Division AFS

Officers

President	Peter A. Bisson
President-Elect	Robert E. Bilby
Vice President	Ken A. Hashagen
Past-President	Thomas P. Nesler
Secretary-Treasurer	Dave Drake
Newsletter Editor	Paul Evans
Nominating Rep.	vacant

Chapter Presidents

Alaska	Mason D. Bryant
Arizona-New Mexico	Colleen A. Caldwell
Bonneville	William A. Bradwisch
California-Nevada	Patrick J. Coulston
Colorado-Wyoming	Patrick J. Martinez
Colo-Wyoming Student	Scott Mullner
Hawaii	Walter N. Ikehara
Humboldt	Susan C. McBride
Idaho	Tim C. Cochnauer
Montana	Mark E. Lere
NM State Univ Student	Nikkoal McClelland
No. Pac. International	Kurt L. Fresh
Oregon	Harold J. Weeks
Greater Portland	Richard B. Turner
U. Wyoming Student	Andrew D. Gryska

Committees (internal affairs)

Archivist	Venice Beske
Arrangements	Cindy Hartmann
Audit	Lou Carufel
Awards/Nominations	Tom Nesler
Equal Opportunity	Jerry Salazar
FAN Manager	Tom Nesler
Membership	Ken Hashagen
Policy Review	Dennis Tol
Program	Cindy Hartmann

Committees (external affairs)

Bull Trout	Shelly Spaulding
Endangered Species	vacant
Environmental Concerns	Michael Ward
Native Peoples Fisheries	Kelly Meyer
Riparian	Ron Wiley
AFS Resolutions	Dennis Tol
AFS Certification Appeals	Pete Bisson
Mining Reform	Steve Wolff
Professional Conduct	Randy Bailey

Division Highlights:

Professional Development

The 1998 Western Division annual meeting was held in conjunction with the 16th Lowell Wakefield Fisheries Symposium on Sept. 30-Oct. 3 in Anchorage, Alaska. The meeting was co-sponsored by the Western Division, Alaska Chapter, and Alaska Sea Grant. The Wakefield Symposium attracts an international audience of scientists, particularly those interested in marine shellfish and oceanography. The theme of the combined meeting was *Ecosystem Considerations in Fisheries Management*. The combined attendance at the Western Division meeting and Wakefield Symposium was more than double the average attendance at our annual meeting and gave members an opportunity to learn about topics not usually highlighted at our meetings. We held 4 concurrent sessions from Wednesday through Friday and 3 concurrent sessions on Saturday.

The Western Division will continue annual financial awards to outstanding fisheries graduate students within the Division, an initiative that was begun by Carl Burger several years ago.

The Western Division approved a disbursement of \$300 to Washington Trout in support of a forum on Uncertainty in Salmon Harvest Management, in which a Bayesian decision model was developed to help managers account for uncertainty in setting harvest limits. Two members of the Excom participated in the program, which was attended by salmon managers from several Pacific Northwest states.

Diversity

The Western Division contributed approximately \$1650 to the AFS International Fisheries Section to help provide AFS journal subscriptions to Russian Far East laboratories (with matching funds from Oregon and Alaska chapters).

The Excom approved a disbursement of \$275 to the AFS Native Peoples Section to help defray Monterey meeting attendance costs for a Native American section member.

The Excom approved a disbursement of \$1000 to the AFS Equal Opportunities Section to help recruit students from underrepresented groups to AFS.

Visibility

The Division completed a review of the proposed Forage Improvement Act with the able assistance of Bill Bradshaw. Our review pointed out significant shortcomings in the proposed bill that would jeopardize riparian zones and streams in watersheds subject to federal grazing allotments. Copies of our review were sent to congressional representatives from each western state.

The Division's Bull Trout Committee provided technical assistance regarding a plan for management of the Wigwam River watershed. The Wigwam River is a transboundary stream between US and Canada and contains a native bull trout population.

The Division's Bull Trout Committee provided a technical review of a draft bull trout conservation plan.

The US-Canada Salmon Treaty was highlighted at our annual meeting in Anchorage with speakers representing both scientific and political perspectives.

The Western Division has been asked by Washington State to recommend 9 scientists for an Independent Scientific Review Panel, which will review various aspects of the state's salmon recovery plan. An ad hoc nominating committee has been formed, containing AFS, WDAFS, and North Pacific International Chapter representatives.

The Western Division commends the many activities of its chapters, which have significantly improved aquatic resource conservation and management throughout western North America. Many of these activities are highlighted in the following chapter reports.

Chapter Highlights:

Alaska

The 24th Annual meeting of the Alaska Chapter of the American Fisheries Society was held in Juneau during November 18-20, 1997. The meeting was attended by more than 190 people. The theme of the meeting was "From the Mountains to the Sea: Linked Ecosystems". The opening session featured David Benton representing Frank Rue commissioner of the Alaska Department of Fish and Game who spoke on the Department's commitment to scientifically based management of salmon stocks; followed by Phil Janik, Regional Forester of the U.S. D.A. Forest

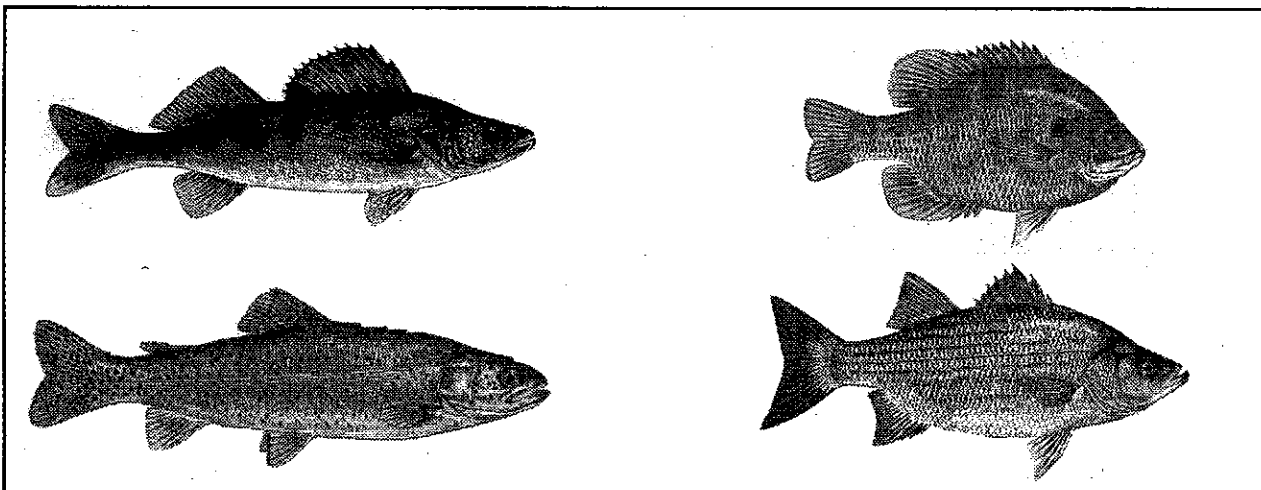
Service, Alaska Region, who emphasized the importance of maintaining anadromous salmonid habitat throughout the Tongass National Forest. Following his presentation on the current Forest Service aquatic management direction, Mr. Janik responded to questions from the audience concerning Forest Service policy for protecting and maintaining aquatic habitat.

The first keynote speaker, Jim Sedell, traced the significance and role of large wood from headwater stream through the floodplain and into the open ocean where large wood functions as cover on the high seas and is colonized by a diverse group of marine invertebrates. Marine transport of large wood results in deposit in the river mouths in tundra rivers. The second keynote speaker, Dr. David W. Welch, presented result from high seas surveys of pacific salmon that showed sharp thermal boundaries limiting high seas rearing area. Current models of global warming predict large scale northward shifts in marine rearing areas and in one model increases in temperatures in the north Pacific would restrict sock-eye salmon rearing in the high seas to the Bering sea by the middle of the next century. More than 60 papers in eleven special and contributed paper sessions covered topics from presentations on the development of the Tongass Land Management Plan, Pacific Herring research and management, the function and management of headwater streams in the pacific northwest to shellfish management and research. Abstracts of most presentations are available on the Alaska Chapter homepage. (www.alaska.net/~fishak/).

John Clark was awarded the Walley Norenburg award for 1997 and Dr. Fred Everest received the meritorious service award for his work for on the Tongass Land Management Plan which included significance advances in protection of aquatic habitat in the Tongass National Forest. The outstanding paper for the 1997 meeting was presented by John Hudson on "Salmon carcasses increase stream macroinvertebrate abundance in Alaska. Carol Kerkvliet, who also received a the cultural diversity travel assistance award, along with her co-authors, P. Crane, and L. Seeb, were recognized for the best poster session of the meeting. Her poster was Genetic Relationships Among Chinook Salmon (*Oncorhynchus tshawytscha*) Populations in Alaska Based on Variation at Multiple Allozyme and Microsatellite Loci.

A new student sub-unit was organized at the University of Alaska southeast located in Juneau. Since its inception the sub-unit has elected officers, organized a mini-symposium on student research, and sponsored a workshop on writing.

- The Fish Ecology in Arctic Symposium (American Fisheries Society Symposium 19) edited by Jim Reynolds was published in 1997 and was available for purchase at the 1997 chapter meeting; copies will also be available at the 1998 meeting in Anchorage. It contains 32 papers that range from management and population dynamics marine and freshwater species to taxonomy and genetics of fish in northern Canada and Alaska. Selected papers from the Habitat Restoration Symposium held at Girdwood in 1992 have been collected, edited, and published. It is in the process of being distributed to all participants. Work is continuing on the "Fishes of Alaska Key", a large and comprehensive compilation of all species in marine and freshwaters of Alaska. Completion of the first complete draft is expected this winter, 1998.
- The Chapter web page (www.alaska.net/~fishak/) has been renovated and has links to various fisheries related activities and organizations including the parent society. Information on the page includes Abstracts from the most recent (1997) annual chapter meeting, the newsletter, chapter by-laws and procedures, and the EXCOM and how to contact them. The page is maintained by Norma Sands.
- The chapter completed and submitted a review and comments on the 1997 final Tongass Land Management Plan to the U.S. Forest Service, Alaska Region. Other environmental issues has



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included comments on the development of State of Alaska, DNR proposal for timber management of Spruce bark beetle kill on the Kenai Peninsula.

- Two continuing education courses are offered in conjunction with the Annual Chapter/Western Division Meeting on September 29 — Internet applications and fish and wildlife software and GIS Applications in Fish and Wildlife Management.

Arizona-New Mexico

The Chapter held their annual meeting in conjunction with the Arizona and New Mexico Chapters of the Wildlife Society in Sierra Vista, Arizona February 5-7, 1998. Membership is up to 256 members.

Chapter members, Tom McMahon (2001 co-chair arrangements committee), Joe Janisch (2001 co-chair arrangements committee) and Colleen Caldwell (2001 co-chair, program committee) are already busily preparing for the national meeting to be held in Phoenix, AZ in 2001. They attended the national meeting in Hartford to coordinate activities and brainstorm with AFS executives.

Bonneville Chapter

The Bonneville AFS Chapter held a joint Technical and Poster Session Meeting with the CO/WY AFS Chapter in Grand Junction, CO on March 3 and 4, 1998. The Bonneville Chapter had 109 members attend. The technical session had three concurrent presentations with excellent paper presentations in all. Individual Chapter Business Meetings were held to handle the appropriate business. A list of awards presented is as follows:

Scientist of the Year Award (two presented): Mark Holden, Utah Reclamation Mitigation and Conservation Commission; Dr. Chris Luecke, Utah State University. Lifetime Achievement Award (two presented): Ron Goede, Utah Division of Wildlife Resources; Tom Pettengill, Utah Division of Wildlife Resources.

Culturist of the Year Award: Wayne Gustavson, Utah Division of Wildlife Resources.

Awards of Merit (eight presented): Bruce Barrett, Thomas Ryan and Edward Vidmar, U.S. Bureau of Reclamation; Chris Keleher, Roger Wilson, Bob Spateholts, Don Wiley and Bryce Nielson, Utah Division of Wildlife Resources.

The Best Technical Professional Paper Award was given to Dan Duffield, U.S. Forest Service, Ogden, Utah.

On March 5, following the Chapter's Technical Session, a jointly sponsored a Continuing Education Course dealing with Management of Large Lakes and Reservoirs was taught. Fifty five members from both chapters attended.

Bonneville Chapter activities have involved increasing membership, reviewing and commenting on Central Utah Projects involving the restoration of two state fish hatcheries, writing a letter of support to legislators sponsoring a bill to provide a balanced policy making Fish Health Board with an independent chairperson. The Chapter is also following closely the status of the Bonneville Cutthroat Trout listing issue.

Colorado-Wyoming Chapter

Continuing Education, 5 March 1998, Drs. Brett Johnson (Colo. State Univ., CO/WY Chap) and Dave Beauchamp (Utah St. Univ, Bonneville Chap) instructors — "Reservoirs: New Perspectives and Techniques for Research and Management". Course seeks to follow guidelines found in "Continuing Education Manual" to facilitate course approval and receipt of credit (CUE's) by participants.

2nd Joint Annual Meeting with Bonneville Chapter, 3-5 March 1998. Regional Cutthroat Species Forum: Should Any of the CO/WY/UT's Cutthroat Subspecies be Federally Listed as Endangered? The cutthroat session included differing perspectives/point-counter point from agency, environmental, university and lay-person interests. Contributed papers from

three-state area on 4 March 1998.

CO/WY Chapter arranged and hosted the "Conservation Symposium" at The Mitsubishi Motors 17th Annual World Fly Fishing Championship and Conservation Symposium in Jackson, WY, September 1997. The 1997 symposium was recognized as the "best ever in the history of the Championships" providing "world-wide participants information on stream management and conservation techniques". Participating Chapter members included:

Chapter Representative - Mark Novak (U.S. Forest Service)

Symposium Moderator - Pat Martinez (Colo. Div. of Wildlife)

Presenters - Dr. Bob Behnke (Colo. St. Univ.), R. Remmick (Wy. Game & Fish),

John Varley (Yellowstone Nat'l Park), Kurt Nelson (U.S. Forest Service), John Kieffling (Wy. Game & Fish)

Poster - Rob Gipson (Wy, Game & Fish)

2nd Joint Annual Meeting with Bonneville Chapter, 3-5 March 1998. Theme: "Following the Leaders, Leading the Followers". Top agency administrators responded to questions intended to get at the "leadership" direction for difficult and contentious aquatic resource conservation topics.

In 1997, the CO/WY Chapter became a life member of the Colorado Riparian Association (CRA) and donated \$500 toward construction of a second "Stream Trailer", a powerful educational tool which demonstrates stream channel and habitat dynamics. During summer 1998, the CRA in conjunction with CO/WY AFS will be onsite at the Wyoming Hunting and Fishing Heritage Exposition (website: [www://gf.state.wy.us](http://www.gf.state.wy.us)) in Casper, WY, to display, operate, and discuss stream habitat dynamics using the "Stream Trailer". This event is co-hosted by: Wyoming Game & Fish Dept., The North American Pronghorn Foundation, The Wyoming Foundation for North American Wild Sheep, Federal Cartridge Corporation, H&R 1871 Inc., Friends of the NRA, The Wyoming Outdoor Council, Wyoming Department of Agriculture, U.S. Fish and Wildlife Service, and the Wyoming Outfitter and Guide Association.

Several Chapter members were co-recipients of AFS Management Award for Habitat Restoration, Little Mountain Project, Wyoming, 1997.

Colorado-Wyoming Student Chapter

A full spring semester is planned for the UW student sub-section. On January 26th, Dirk Miller of the Wyoming Game and Fish Department spoke to the sub-section about employment opportunities with the WGFD Fisheries Division. He also explained the process to obtain professional certification through the American Fisheries Society. In April, Dr. Tim Patton agreed to come and inform the sub-section of the lifestyles of some of Wyoming's lesser known and appreciated fauna, reptiles and amphibians. Dr. Patton is a recent grad from the UW Cooperative Research Unit and long-time member of the student sub-section.

On Saturday January 31, we held our annual ice-fishing extravaganza on Diamond Lake, west of Laramie. The weather was favorable, and 20 students participated in the event. Both rainbow and cutthroat trout were caught, the biggest over 18" and a total of five fish being the most caught by one student.

The student sub-section co-sponsored the 1998 Wyoming Anglers Symposium with the University of Wyoming Flycasters. The symposium is entitled "Western Angling: A Perspective on Land Access in the Rocky Mountain Region." This two day event took place on April 24-25 and featured two days of individual fly-tying and casting techniques demonstrated by world renowned fly fishermen Jack Dennis and Gary LaFontaine. They also presented lectures around campus on Friday. On Saturday, the symposium included more time with Jack and Gary, as well as technical presentations pertinent to Wyoming's anglers by regional resource management experts and professors. This day was topped off with a formal catered banquet featuring both Jack and Gary as keynote speakers.

- In addition, for the first time the student sub-section has been in existence, we are submitting a budget to ASUW (Associated Students of the University of Wyoming). This is an annual process that allows student organizations to secure funding for programs, speakers, and other activities that are of broad appeal and otherwise would not be affordable. Our budget proposal totaled \$9423.24. As a result, in the 1998-99 academic year we plan to bring six accomplished fisheries scientists/ecologists/orators to campus for seminars and individual meetings with students and faculty. We will also be planning a few educational/recreational outings to points of interest around the state (fish hatcheries, fishing hot spots, and other areas of interest). Through these programs we hope to contribute to the quality of seminar speakers brought to UW. We hope this will increase campus and community awareness of

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EFFECTIVE SAMPLING SYMPOSIUM

Effective fish sampling strategies under the ESA; sampling representatively while protecting PETS species. A 1999 WDAFS Annual Meeting Symposium.

Potentially endangered, threatened, and sensitive (PETS) species have become the primary focus of many fisheries research and management studies in lakes, reservoirs, and streams throughout the western U.S. Although PETS species are often the "driver" of these projects, tribal, state, and federal regulations may preclude capture of the species for which funding is intended to benefit. In response to restricted take of PETS species, numerous contemporary capture methods are being developed, tested, and implemented that attempt to reduce potential harm to specific sizes, species, and guilds of fish. Conceptually, these capture methods reduce mortality or catch of a particular species, while sampling the remainder. Concurrent with this strategy is the challenge of collecting a sample suitable to describe the actual composition of all species present.

This session is designed to disseminate information on the latest capture techniques and strategies being used in waters where PETS species occur. Participants are encouraged to share results describing successes or failures to reduce capture or mortality of PETS species while effectively sampling other fish. The intended result of this workshop is to provide fishery researchers and managers with new information to assist them in:

- reducing mortality or unintended capture of PETS species during fish sampling programs,
- increasing intended, harmless capture of PETS species during fish sampling programs, and
- applying innovative and effective capture methods that will reduce harm and mortality to all fish species.

In addition, techniques may be discussed that allow intentional biased capture of particular sizes or species of fish. Such methods could be used to attempt to reduce or eradicate exotic or undesired species in areas where they compete with native PETS species. A list of interested participants for this session is being assembled and abstracts will be due in March 1999. For more information contact: Randall Jeric
Parametrix, Inc.
5808 Lake Washington Blvd. NE, Suite 200
Kirkland, WA 98033-7350
Phone (425)822-8880, FAX (425)889-8808
E-mail: rjeric@parametrix.com

PROFESSIONAL DEVELOPMENT

By Ken Hashagen

Professional development is a topic that should be of interest to any fisheries biologist. In my view, professional development is primarily the responsibility of the employee or individual, but the supervisor also has a responsibility to guide his or her staff to effective career development. I discuss the roles of both the individual and the supervisor.

Individual

Let's say you have just graduated from high school or college and starting your first job (temporary or permanent) in your chosen profession. You have a store of knowledge, primarily from books and from your education. How can you build on this base of knowledge? What do you need to do to be successful in your field, to be a recognized professional, and to be competitive in promotional exams? Here are some ideas: Learn your present job thoroughly; clearly understand the goals and objectives of your unit. Ask questions. Look at the organizational charts for your unit and the department. Understand the mission statement of your agency or firm.

Set individual goals. This is one of the most important steps of professional development, in my opinion. Where do you want to be in 1 year? In 5 years? Outline the many steps you will need to take to get to your goal (see below) and commit to a deadline for each step. Take a Time Management class. Buy a planner and use it. It's a great tool. Determine what promotional opportunities are available to you. Your Human Resources Office or Personnel Officer can discuss career ladders with you, provide you with job specifications and help you understand the skills and abilities necessary for you to move to the next level. Find out the date of the next exam, if that is how promotions are made in your agency.

Discuss career opportunities with your supervisor. Make sure that he/she is aware of your interest in moving up the career ladder. Volunteer for additional tasks which are not part of your job, but which will give you additional skills or experience. Keep your resume up to date, adding each new skill as you master it. Join a professional society such as the American Fisheries Society, and become involved. Attend the meetings. Introduce yourself to other members and volunteer for committee assignments. It's a great way to meet other people with similar interests and to develop a network of contacts that you can use to find other jobs in your field. Read professional literature, the magazines and books published by your professional society, or go to the library or bookstore and borrow or purchase books in your field. Develop a professional library. If appropriate to your job, consider writing a popular, scientific, or technical article and submitting it to your house publication or another journal.

Continue your education. The average 4-year college degree is obsolete in a year or less. If you don't continue to expand your education, you'll be left out as other, better-educated co-workers get the promotions. Vow to take a class or course each semester or quarter, whether a 1-day class or a semester-long course. Obtain professional certification if it is available in your field. Certification will give credibility to your publications and presentation. Meeting certification requirements will ensure your continuing education. Don't stay in a job too long. Look for new challenges. Change is good and it should be constant, if you hope to advance. Transfer laterally if you have an opportunity to work for other people with the reputation of developing their staff or you have an opportunity to broaden your base of skills or experience.

Find a mentor. A mentor is someone who will provide you advice and counsel, who will be your champion, who will recommend career options, and guide you throughout your career. A mentor is not always your boss or supervisor. Learn from your supervisor. Determine what traits or approaches are effective, in your opinion, and incorporate them into your management philosophy and style.

Finally, prepare for your financial future. Don't depend on the retirement plan offered by your employer. Set up a savings account, invest in a mutual fund, have money withheld each month from your check and put toward a deferred compensation account. Save some amount each month, no matter how small, and increase the amount with each pay raise or promotion. Financial well being can greatly expand your options if you lose your job unexpectedly, if you want to return to school for an advanced degree, or if you want to retire early.

Supervisor

Aside from attending to your own career development, as noted above, if you're a good supervisor, you will provide opportunities for career development for each of your employees who desires help. In some cases, an employee may not want to advance. He/she may be comfortable with his/her job and level of responsibility or doesn't want to move into the supervisory or managerial ranks. But, be aware that this situation can change as people get married, have a child, need extra income, or mature and change their goals. A good supervisor will ask, during the annual performance review, what the employee's goals are and, based on the response, will assist the employee in meeting those goals. As a supervisor, you can encourage your employees to take each of the steps listed above for the individual. Your encouragement and guidance will result in motivated employees. In my view, a good supervisor is constantly training new employees, employees who are replacing those who have promoted out of the unit. The supervisor is a trainer, challenging employees with job rotations, special assignments, and opportunities to develop special skills. A good supervisor doesn't focus only on the technical skills, but encourages his/her employees to develop people skills and management, planning, and budgeting skills that will serve them well in future assignments. Allowing employees to sit in on leadership team meetings and to make presentations will give them visibility and develop presentation skills. Preparing employees for exams is part of the role of the supervisor. Advice on what to study and how to dress will be invaluable to your employees. Mock orals with sample questions will give your employees

the confidence and skill to do well oral exams. "I hear some supervisors out there saying, I haven't got time to do all that. I have an in-box, and meetings, and phone calls, and budgets, and paperwork that's due." Trust me, this approach will work. Your employees will feel that they are part of a team, and will take on additional responsibility because they realize it will be to their benefit. You will have employees who understand what the unit is trying to do, its goals and objectives, so you can have them cover meetings for you or make presentations, so you can make those phone calls and do that paperwork. Most of your vacancies will be filled by motivated employees who want to transfer into your unit or join your firm because they understand that you will help them develop and that people promote out of your unit. Give it a try! It works!

Ken Hashagen is a Certified Fisheries Scientist and a supervisor for the California Department of Fish and Game, Natural Heritage Division, 1416 Ninth Street, Sacramento CA 95814.

98 WESTERN DIVISION SCHOLARSHIP

In 1998 the recipients of the Western Division Scholarships were honored at the annual meeting in Anchorage. The two scholarship recipients each received a check for \$1,500 and a plaque acknowledging their achievement. The recipients were:

Kitty Griswold, Ph.D. student, Department of Fisheries and Wildlife, Oregon State University, Corvallis, Oregon. Her research focuses on preservation of anadromous and resident forms of Dolly Varden and cutthroat trout in streams flowing into Prince William Sound.

Andrew Talabere, M.S. student, Department of Fisheries and Wildlife, Oregon State University, Corvallis, Oregon. His research deals with defining the relationships among Lahontan cutthroat trout distributions, stream temperatures, and beaver ponds in southeastern Oregon.

Two additional students were recognized with an honorable mention and were presented with a plaque acknowledging their achievement. They were:

Scott Mullner, Ph.D. student, Department of Zoology and Physiology, University of Wyoming.

Daniel Isaak, Ph.D. student, Department of Zoology and Physiology, University of Wyoming.

WDAFS BULL TROUT COMMITTEE

Bull trout are among the most cold water adapted fish and require very cold, clean water for incubation, juvenile rearing and other life history stages. They are often considered an indicator species for habitat and water quality. The Western Division Bull Trout Conservation Committee has facilitated and coordinated the AFS peer review of several important documents pertaining to bull trout, the most recent being the "Bull Trout Interim Conservation Guidance" prepared by U.S. Fish and Wildlife Service.

The committee has recently received several requests to facilitate development of a bull trout

survey protocol for both currently occupied habitat and suitable habitat. The process for development of this protocol will be similar to that used by Pacific Seabird Group in developing a marbled murrelet survey protocol, which includes peer review and annual revisions as needed. Other committee products might include more peer review, conservation criteria, or comments on priority actions. If you are interested in bull trout, want to help with these products, or have other suggestions for this committee contact Shelley Spalding at 360/753-7762 or email to "shelley_spalding@fws.gov@". Development of the protocol will begin this spring.

fisheries concerns, AFS interest, and student involvement in the sub-section.

- Our sub-section also applied for funding from ASUW for registration fee supplements for students attending the CO/WY chapter meeting in Grand Junction. We received \$300 from ASUW for this event and will be sending ten students to the annual meeting. We have also applied for funding through the UW Graduate School for five sub-section students. This money will pay all costs for the students trips. The UW Cooperative Research Unit and Department of Zoology and Physiology will be sponsoring our transportation costs to and from the annual meeting. Of the students attending, seven will be presenting papers or posters. The sub-section is also participating in the adopt-a-buddy program, allowing WGFD employees to travel to and from Grand Junction in the UW sponsored vehicles. Hopefully, little incentives like these will increase awareness and participation in AFS and associated activities.
- Finally, UW sub-section member Doug Novinger designed a new CO/WY Chapter and sub-section logo. Through a loan from the CO/WY chapter, we will be able to print nearly 100 shirts for sale at the annual meeting by our sub-section. The funds from these shirts provide a major source of our sub-sections independent fund raising, with all funds being used for increasing UW student sub-section activities and visibility.

Humboldt Chapter

ESA Workshop - April 25, 1997, Arcata, CA. We organized this workshop to address local concerns about the Coho listing. Speakers addressed ESA sections 4, 7 and 10 during the one day event. Over 100 agency personnel, students, timber company representatives, non-profit restoration groups, county supervisors, and environmental groups attended. We prepared a 500+ page binder with a copy of the Act, the Federal Register and handbooks developed by NMFS or USFWS for each sections.

President-elect, Dr. Kristine Brennaman, HSU Fishery Faculty, is working with the Cal-Neva chapter and the CDFG to put on one of their California Stream Bioassessment Procedure, 3-day workshops.

Our fall seminar series included 5 presentations by fishery professionals and a PhD candidate. Topics and speakers were:

Sept 18 - Mike Orcutt, Fisheries Director, "Overview of Hoopa Tribal Fisheries"

Oct 18 - Mary Yoklavich, PMEL-NOAA- Coastal Rockfishes: Surviving to Old Age in a sea of technology

Nov 3 - Tammy Newcomb, Michigan State - Watershed Analysis of Juvenile Steelhead Production and Environmental Limitations

Nov 10 - Joe Cech, UC Davis- Temperature effects on California Fishes: Chinook Salmon, Bat Rays, and Delta Smelt

Nov 20 - Pete Kalvass, CDFG - The California Red Sea Urchin, *Strongylocentrotus franciscanus*: Catch, Effort and Management Trends

Our spring seminar series was:

Feb 5 - Jon Heiftz, NMFS - Emerging issues in marine fisheries management in the North Pacific: habitat, endangered species, and ecosystem considerations

Feb 26 - Claude Singleton, BLM- Fitzhugh Creek rehabilitation: a high desert fishery

Mar 12 - George Watters, Inter-American Tropical Tuna Commission-Chilean sea bass: Out of the frying pan and into the fire: a case history of the Antarctic fishery for *Dissostichus eleginoides*

Apr 16 - Robert N. Lea, CDFG- Fishes of the San Benito Islands: California and Panamerican fish connections We held our 24th Annual Joint Technical Conference with the North Coast Chapter of the Wildlife Society on March 28 at Humboldt State University. The theme is "Current Biological Research on the North Coast and Klamath Region."

Montana Chapter

Continuing work toward completion of status summaries for 17 species of special concern in the state

Continuing work toward completion of an educational poster depicting species of special concern

Provided Chapter representation on the state's Montana Bull Trout Restoration Team and tracked ongoing efforts

Provided Chapter representation on the state's Westslope Cutthroat Trout Steering committee and tracked ongoing efforts Provided comments on the state's draft westslope cutthroat trout recovery goals

Provided comment on two landscape assessments, a salvage timber sale and a grazing permit re-evaluation

Provided comment to a governor's appointed task force addressing floodplain management on the upper Yellowstone River

Provided technical comment on the proposed McDonald gold project on the Blackfoot River Tracked FERC re-licensing of the Madison/Missouri dams

Provided Chapter representation on the state's Grazing Best Management Practices technical group

Provided \$8,500.00 in funding assistance for four projects through our Chapter's Resource Action Fund. These projects included an educational "comic book" on bull trout; a children's fishing club newsletter; modification of a diversion structure on a stream to insure passage by bull trout and westslope cutthroat trout; and a re-naturalization project on a bull trout/westslope cutthroat trout stream that was altered in the past by placer mining

Helping organize and co-chairing two upcoming symposia: 1) fisheries management in Yellowstone National Park and 2) conservation strategies for native salmonids in the Rocky Mountains

Provided Chapter representation on the Intermountain Journal of Science editorial board

Distributed recruitment letters to all former members of the Chapter and annual meeting attendees from last year

Published and distributed three Chapter newsletters and held 3 EXCOM meetings Developed a Chapter Web page

Provided comment on Montana Fish Wildlife and Park's Cherry Creek Native Fish Introduction EA comment to the USFWS (subsequently routed to the U.S. Corp of Engineers) about concerns over reservoir operations of Fort Peck Dam and it's impacts to native fish, including the endangered pallid sturgeon

Provided comment to the Montana congressional delegation and Montana governor Marc Racicot endorsing the "Teaming with Wildlife" proposal

Provided comment to the USFS on the draft EIS for the proposed ASARCO mine on Rock Creek Provided comment to the USFS endorsing the proposed temporary suspension of road construction within roadless areas

Approved and incorporated into the Chapter bylaws a student subunit from the University of Montana

Revamped the Chapter's Resource Action Fund to ensure applications are reviewed in a fair and equitable manner and to provide appropriate tracking of Chapter funds

Provided \$8,000.00 in funding assistance for three projects through our Chapter's Resource Action Fund. These projects included funding for fluvial arctic grayling recovery in Montana; publication and distribution of an informational brochure on "whirling disease"; and construction of educational salmonid identification boards

- Published and distributed an additional two chapter newsletters and held two additional EXCOM meetings

- Organized and held a Chapter summer workshop on the Ruby, Beaverhead and Big Hole rivers addressing stream restoration and bank stabilization

Information and highlights from our 1998 annual meeting:

Theme - From Genes to Landscapes: Protecting and Restoring Montana's Aquatic Diversity

Technical sessions included: "Regional Restoration Plans: Promises, Progress, and Pitfalls"; "Watershed Restoration: Citizen Groups and Agency Folks Working Together to Improve Fish Habitat"; 2 "Student Paper sessions"; "Emerging Issues"; and "Contributed Papers"

Held in Helena on February 2 through February 5

154 people registered

Held a one day continuing education workshop on "Genetics in Fisheries Management" taught by Dr. Ann Kapuscinski of the Univ. of Minnesota, Dr. Dave Philipp of the Illinois Natural History Survey and Bill Ardren, PhD student at the Univ. of Minnesota - 56 people registered

At our Awards luncheon, presented awards to folks in the following categories: 1) Individual; 2) Groups and Organizations with two awards given; 3) Industry or Companies; and 4) Montana Fishery Worker of the Year

Dr. Charles Coutant, Immediate Past President of the

Continued on page 8

GRANT PROPOSALS

Each year, the Western Division Executive Committee includes money in the Western Division budget to fund various proposals it receives during the year or to allow the Division to participate in cooperative proposals. Some activities the Division has funded in recent years include: \$300 to Washington Trout to support a workshop entitled "Uncertainty in Salmon Harvest Management", \$1650 to the AFS International Fisheries Section to provide society journals to Russian far east laboratories, and \$1000 to the AFS Equal Opportunities Section to help recruit students from under-represented groups to AFS, division workshops, communication and public education workshops, committee projects, and special symposia at the annual meeting.

This year a total of \$10,000 is available. Most proposals are for relatively small amounts of money (<\$2,500). Because the Division is receiving more requests each year, the Executive Committee has decided to develop a process which will enable them to consider all proposals at one time and fund those with the highest priority. In the past, the Committee has considered them as they come in and funded them with no knowledge of what opportunities might arise later in the year. Sometimes, proposals are received after all the money is gone for the year.

Effective immediately, the Executive Committee will consider proposal twice a year, in July and January. Proposals should be submitted to the current Division President. Proposals should be brief and should include the following:

- Title
- Amount requested
- Name of requesting organization
- Name, address, phone, email, and fax of contact

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SECOND CALL

Second Call for Papers:

American Fisheries Society-North Pacific
International Chapter 1999 Annual General Meeting

Date: February 15 - 17, 1999

Location: Executive Airport Plaza and Conference Centre Richmond, B.C. (South of Vancouver)
Theme: Fisheries in a changing environment - can we keep up?

Program contact: Tim Slaney
76043.2377@compuserve.com
(604) 266-1113, FAX (604) 266-1513

Proposed Session Topics:

Aquaculture diversification - non salmonids.
Biodiversity/endangered species.
British Columbia stream inventory
Coho
Steelhead
Effects of ocean change on salmon migration
Exotic species
Fish and forestry
Fish and hydro-electric power
Marine protected areas
Non-salmonid marine finfish
Selective harvest techniques
Sockeye research: migration and lake residence
Urban streams
Watershed restoration
Student papers
Poster presentations

Abstracts:

please forward to Tim Slaney
300 words or less, Times New Roman 12pt
(electronic format, please, Word 6.0 preferred)
Deadline: January 15th, 1999

Registration:

Registration includes: continental breakfast and break refreshments, 2 lunches, 2 receptions, banquet, raffle ticket, spawning run entry, plus an enjoyable and informative time!

Early registration _____ \$135 CDN/\$90 U.S.
(postmarked or faxed prior to January 15th)

Registration (after January 15th) _____ \$150
CDN/\$100 U.S.

Student _____ \$80 CDN/\$50 U.S.

Check out our home page at
<http://www.geocities.com/Rainforest/5957/>

MEETING ANNOUNCEMENTS

- Feb 18-20, 1999 Annual Whirling Disease Symposium. University of Montana, Missoula. Contact Whirling Disease Foundation, 406/585-0860; whirling@mcn.net.
- Mar 2-4, 1999 International Symposium on Geographic Information Systems (GIS) in Fishery Sciences. Seattle, Washington. Contact Tom Nishida, 011/81-543-36-6043; tnishida@enyo.affrc.go.jp.
- Mar 3-5, 1999 19th Northeast Pacific Pink and Chum Salmon Workshop. Juneau, Alaska. Contact Sharon Hawkins, 907/789-6081; sharon.hawkins@noaa.gov.
- Mar 8-12, 1999 interagency Hydropower Licensing Workshop. Lacey, Washington. Other workshops to be announced for summer 1999 in Shepherdstown, West Virginia. Contact Cindy Williams, 304/876-7466; cindy_williams@fws.gov.
- May 25-28, 1999 47th Annual Meeting of the

NATIVE COLDWATER FISH CONFERENCE

The Value of Native Coldwater Fish Conference

Visit our web site at: <http://www.id.blm.gov/fish-conf.htm>

The conference seeks to develop and encourage cooperative initiatives and funding mechanisms to assist managers of native fish and their associated watersheds, in the Northern Rockies. We hope to bridge the gap between state, tribal and federal agencies as well as conservationists and the general public to build a collaborative framework for the future. To accomplish this, conferees will explore the various values of native coldwater fish and why they are important to local, regional and national constituencies. Attendees giving keynote speeches include USDA Forest Service Chief, Michael Dombeck, Director of the U.S. Fish and Wildlife Service, Jamie Rappaport Clark and Acting Director of the BLM. Other talks and panel discussions will include tribal leaders, state agency managers, county commissioners, economists, biologists academicians, industry representatives and conservationists. The conference will include several facilitated discussions to develop a collaborative action plan that will assist field managers in protecting and restoring native fish and their associated habitats in the region.

This conference is a unique opportunity for discussion between state and federal agencies, conservation scientists, economists industry representative as well as the general public. This conference is sponsored by the American Fisheries Society, American Wildlands, Fly Fishing Federation, Trout Unlimited, USDA Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service. Please join the conference sponsors, several state and tribal wildlife agencies, conservation organizations and the general public at the Coeur d'Alene Resort in Coeur d'Alene, Idaho February 9-11, 1999.

WDAFS AWARDS

Continued from page 2

of the WDAFS Riparian Committee, is in charge of this award.

Student Awards

Graduate Student Scholarships: Given annually to deserving masters and doctoral graduate students in fisheries and aquatic sciences. The amount of the award is determined each year by the Division and often includes financial assistance to the student to attend the annual meeting. Wayne Hubert currently chairs the Graduate Student Scholarship Committee.

Remember, the relatively little time it takes to nominate an individual or organization is repaid many times over by the gratitude of the winners and the knowledge that their efforts are appreciated.

North American Benthological Society. Duluth, Minnesota. Contact Stephen W. Golladay, 912/734-4706; <http://www.benthos.org>.

- Jun 1-4, 1999 Evaluating the Benefits of Recreational Fishing. Fisheries Centre, University of British Columbia, Vancouver, Canada. Contact Gunna Weingartner, 604/822-0618; events@fisheries.com.
- Aug 15-20, 1999 International Congress on Ecosystem Health. Sacramento Convention Center, Sacramento, California. Contact Congress secretariat, 530/754-8507; ehc@ucdavis.edu.
- Oct 27-30, 1999 Spatial Processes and Management of Fish Populations Symposium. Anchorage, Alaska. Contact Brenda Baxter, 907/474-6701; <http://www.uaf.edu/seagrant/Conferences/symposia.html>.

The Value of Native Coldwater Fish
Coeur d'Alene, Idaho
February 9, 10 & 11, 1998

Draft Agenda

Day One

7:30 - 9:00	Registration	
9:00 - 9:15	Welcome	Charles Gauvin, President and CEO, Trout Unlimited
9:15 - 10:00	Keynote Address	Acting Director, Bureau of Management
Land		
10:00 - 10:30	Native Fish - A Cultural Perspective	Tony Incashola, Director, Salish Cultural Committee
10:30 - Break		
11:00 - 12:00	Value and Perspectives:	
	- Scientific	Chris Frissel/Bruce Rieman
	- Economic	Cindy Swanson
	- Socio-Historical	Paul Schullery
	- Recreational	Bud Lilly
12:00 - 1:30	Lunch	
1:30 - 2:15	An Ecological Perspective	Mike Dombeck, Chief, USDA Forest Service
2:15 - 2:30	Break	
2:30 - 4:00	Developing a Regional Strategy for Conserving Native Coldwater Fish: First Working Session	
5:00 - 6:30	No-Host Social	
4:00 - 8:00	Poster Session	

Day Two

8:00 - 8:15	Welcome	
	A Road Map	American Fisheries Society
8:15 - 9:00	Native Fish: The Service's View	Jamie Clark, Director, US Fish & Wildlife Service
9:00 - 10:30	Panel: Why Do We Get To The-ESA?	State Wildlife Directors, Idaho, Montana, Wyoming
10:30 - 11:00	Break	
11:00 - 11:45	Lesson from the ESA - How Can We Avoid Going There?	Tom France, National Wildlife Federation
11:45 - 1:30	Lunch	
1:30 - 3:00	Developing a Regional Strategy for Conserving Native Coldwater Fish: Second Working Session	
3:00 - 3:30	Break	
3:30 - 4:30	Agency Leadership Forum: Dialogue and Setting Priorities	Director, BLM Chief, Forest Service Director, USFWS 3 State Wildlife Directors
6:00 - 7:00	No-Host Mixer	
7:00 - 9:00	Banquet	Speaker - TBA

Day Three

8:00 - 8:15	Welcome	
	Road Map	American Wildlands
8:15 - 9:15	Panel: Stakeholder Review of Draft Strategy	
9:15 - 11:00	Developing A Regional Strategy for Conserving Native Coldwater Fish: Third Working Session	
11:00 - 12:00	Wrap Up	
	Where Do We Go From Here?	

Parent Society, attended and presented the Presidential Conservation Award to Montana's Governor Marc Racicot (in attendance) at our Awards luncheon (local press and television covered the event)

Dr. Charles Coutant gave a special presentation during the meeting addressing his thoughts on the "State of AFS"

Approved \$8,000.00 in funding assistance to three projects through our Resource Action Fund at our business meeting

Oregon Chapter

The ANNUAL MEETING, ("Population, Economics, and Ecosystems: Is sustainability Attainable") was held in Sunriver, Oregon February 11-13, 1998, and attended by 465 people. Five nationally-known speakers addressed the plenary session, and discussed the meeting theme from widely varying points of view. Sixty-one technical papers and 12 posters were presented. Also, a special luncheon on diversity issues in the workplace was held.

Education and Outreach activities included:

- A workshop on technical writing
- An Advanced Stream Biology Workshop for Secondary-level Teachers
- A project to supply AFS journals to fisheries labs in eastern Russia
- Distribution of 250 Stream Continuum posters to educators throughout the Pacific Northwest and other regions.
- Sponsorship of the Desert Fishes Conservation and Management Course

Scientific Publications

Proceedings from "Sea-Run Cutthroat Trout: Biology, Management, and Future Conservation" (J. Hall, P. Bisson, and R. Gresswell, eds.)

Proceedings from the Inland Rainbow Trout workshop/symposium are expected to be published in 1999. (D. Buchanan, P. Howell, and J. Maule, eds.)

Lessons from Floods, an essay in Fisheries (Sept. 1997; K. Schroeder and C. Savonen, authors).

Member Communication

Oregon AFS published quarterly issues of the Piscatorial Press. Three editors produce this 12-page newsletter, distributed free to all members. The newsletter contains photos, essays, announcements, and other Chapter information.

Email is used by all Executive Committee members, to improve response time on legislative issues and other important items. Many of the Chapters committees also use email because of these advantages.

The Chapter also has a home page on the Internet, containing a calendar of events, alerts on important issues, and links to the national chapter.

Environmental Action

Oregon AFS retained a legislative liaison, Stephen Kafoury, to keep the Chapter apprised of issues affecting aquatic resources. The Chapter wrote over 20 letters with detailed technical comments to numerous federal and state agencies and special task forces. Issues addressed included:

- essential salmonid habitat,
- regulation of placer mining,
- the Interior Columbia EIS,
- water quality and federal grazing permits,
- passage issues and dam removal,
- proposed rules for state forestry lands,
- status of bull trout,
- habitat conservation plans and the "no surprises" policy,
- recommendations for the Multidisciplinary Science Team, and
- recommended change of the official common name of the Northern squawfish to bigmouth minnow.

The Chapter also provided oral testimony on several of these issues.

Awards

Best student paper 1998 - Kristopher Wright, Oregon State University,

Best student poster 1998 - Kimberly Cleveland, Oregon State University

Fishery Worker of the Year 1998 - Kirk Schroeder

Award of Merit 1998 - Hiram Li, Doug Markle

Broken Oar Award 1998 - Ray Perkins

Past-President Award 1998 - Thomas Backman

Donations and Scholarships

Oregon AFS gave out two \$1000. scholarships to graduate students at Oregon State University. Recipients were Stephanie Gunckel and Thomas Williams

Other grants went to Oregon Trout, Malheur Field Station, and Northwest Steelheaders

Recruitment and Member Services

The Chapter has initiated an interest and expertise survey to help involve members in appropriate committees. We have also begun a Lost Member Survey. Beginning with the 1999 annual meeting, some funds will be available for members with non-reimbursed travel expenses.

Greater Portland Chapter

The first GPAC bi-monthly meeting, held in November, was a discussion of El Nino that was presented by Jack Bohl of the National Weather Service. This meeting was held on the Portland State University campus.

The second Chapter bi-monthly meeting was held in January at Mt. Hood Community College. The subject of this meeting was the efforts to develop an Oregon and Washington joint recovery plan for the Lower Columbia River steelhead. The speaker for this meeting was Chuck Willis of S.P. Cramer & Associates, Inc.

The third Chapter meeting in March looked at U.S. Army Corps of Engineers' Lower Columbia River Eco-Restoration Program. Tyrae Mahan discussed the Corps efforts to fund and find sponsors for eco-restoration projects in waterways under the Corps jurisdiction. The GPAC 4th Annual Conference was held May 15, 1998 at McMinn's Edgefield and was titled "Fish, Fisheries, and Biologists in the New Millennium — Threatened, Endangered, or full recovery?"

The GPAC Annual meeting was supported by donations from Portland General Electric, the Port of Portland, the Habitat Conservation Branch of the National Marine Fisheries Portland office. In addition, 7 student memberships to the American Fisheries Society were funded by a donation from Paul Fishman of Fishman's Environmental Services.

Other chapter reports not received.

GRANT PROP. *cont. from pg. 6*

person(s)

Date funds are needed

Products that will be produced (what will the requested funds be used for?)

Names of other funding sources and amounts

How will the Western Division's contribution be acknowledged?

Indicate how unused funds (if any) will be handled

Submit all proposals to the current Division

President by January 21 or July 21. Electronic submissions are encouraged.

GRAD. STUDENT SCHOLARSHIPS

WESTERN DIVISION GRADUATE STUDENT SCHOLARSHIP

The Western Division of the American Fisheries Society is pleased to announce the competition for its graduate-level student scholarship(s) for the fifth consecutive year. **Applications are now being solicited.** This scholarship was approved at the 1994 Annual Division Meeting along with an annual obligation of up to \$3,000. The Award Committee consists of five fisheries educators from the Western Division. The Award's application criteria are presented below. The 1999 scholarship(s) will be awarded at the Division's annual meeting. The Committee may choose to divide the award closely ranked applicants. In 1998 two awards were given at \$1,500 each.

APPLICATION CRITERIA

1. **The deadline for applications is 30 March 1999.**
2. Applicant must be a member of AFS or must have submitted AFS membership materials at the time of application.
3. Applicant must have completed successfully two quarters or one semester in residence in a current graduate degree program at an accredited institution of higher learning within the Western Division.
4. Applicant's major field of study must be related to fishery or aquatic resource science.
5. The application package must contain a letter to the Award Chair that specifies:
 - a. the applicant's career goals and reasons for applying (up to 200 words);
 - b. the relevancy of his/her work to the objectives of AFS (up to 200 words);
 - c. the anticipated degree and completion date of graduate study; and
 - d. the names and addresses of two faculty members (one must be the graduate student's advisor) familiar with the student's background and abilities. (The Award Chair will send a standardized recommendation form to each of these two references).
6. The application package must also include copies of undergraduate and graduate transcripts, and a one-page abstract that outlines such items as the goals, objectives, design, methods, and expected products from his/her graduate work.

The application package (student must send a total of five photocopies) should be sent, post-marked on or before March 30, to:

Wayne A. Hubert, Chair
Western Division Scholarship Award Committee
Wyoming Cooperative Fish and Wildlife Research Unit
University of Wyoming
Box 3166, University Station
Laramie, WY 82071-3166