



The Tributary



A Newsletter of the Western Division, American Fisheries Society

Volume 29, No. 1, February 2005

Creating a Fisheries Mosaic: Connections Across Jurisdictions, Disciplines, and Cultures

135th Annual Meeting of the American Fisheries Society

September 11 - 15, 2005
Anchorage, AK

Make plans now to come to the 135th Annual Meeting of the American Fisheries Society, co-convening with the annual meetings of the Western Division AFS and the Alaska Chapter AFS along with the 23rd Lowell Wakefield Symposium on Pacific Rockfishes! The meeting is at the Egan Convention Center and Performing Arts Center in Anchorage, 11-15 September 2005. The meeting's theme will be "Creating A Fisheries Mosaic: Connections Across Jurisdictions, Disciplines, and Cultures." A "mosaic" represents a whole that is greater than the sum of its parts. We expect you will find the collection of events, symposia, and contributed papers in Anchorage to be a stimulating mosaic of fishery and aquatic science, culture, and adventure. Anchorage will be an outstanding venue to advance your professional networking and to keep current on emerging ideas in fisheries science and management, with the added bonus of an opportunity to experience some of Alaska's scenery, wilderness, and recreational adventures. The meeting theme reflects President Barbara Knuth's Program of Work for her year in office, emphasizing the notion of "connections." World-renowned fisheries artist

Ray Troll has designed a stunning and inspiring meeting poster in keeping with this theme, and will speak about the convergence of his art and fisheries science as one of the meeting's plenary session speakers. Other plenary speakers will address the relationship of indigenous knowledge with western science and fisheries management (Patricia Cochran, Alaska Native Science Commission), and emerging partnerships between business and non-profits for promoting sustainable commercial fisheries and educating consumers about the importance of making appropriate seafood choices (Heather Tausig, New England Aquarium).



Come To Anchorage!

Anchorage, Alaska's largest city, is home to about 265,000 people. Anchorage was established in 1913 between Turnagain Arm and Knik Arm of Cook Inlet as the construction camp for the Alaska Railroad to be built from Seward to Fairbanks. That first year the city was variously called "Ship Creek" and "Woodrow", but with establishment of the post office in 1914, the name Anchorage was firmly in place, named because of the Knik vessel anchorage located immediately offshore from the new camp. Today, Anchorage is a lively center of commerce, art, and adventure and has been named an All American City four times, a special recognition shared with only seven other cities in the U.S. Located on the shores of Cook Inlet and at the foot of the Chugach Mountains, Anchorage is a unique urban environment set in the heart of great wilderness.

The Tributary is distributed to 3,742 WDAFS members and exists as a forum to present fisheries-related information. The editor is Mark Brouder. If you have information you would like to have included in The Tributary, please contact us at;

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Submissions for the next issue of The Tributary are due by May 1, 2005.

WDAFS on the web: <http://www.wdafs.org>

President's Message - "WDAFS Has An Ambitious Agenda for 2005"

The year ended on a sad note - The Alaska Chapter has prepared a tribute to Molly Ahlgren. She was President of the Alaska Chapter when she was killed in an accident. I cannot let her death pass without some personal thoughts. For those of us who knew her she was a dynamo who was making a difference to her students, the resource and all of us who knew her. She will be missed as a colleague and as a friend.

Tom McMahon Nominated - Tom has thrown his hat in to the ring and is running for President (2nd Vice President) of the American Fisheries Society. If elected, he will follow in the footsteps of a long line of stellar officers who have come from the Western Division. With Tom's phenomenal energy level, enthusiasm, and organizational skills, I am sure he will run an energetic campaign for office. Have any of us ever been able to tell Tom "no" to any request he has made of us? So, say "yes" when he calls or as I ask you to consider voting for him!

Change in Fiscal Year - At its mid-year meeting the EXCOM voted to change its fiscal year. Our year has traditionally ended on April 30, which meant that roughly five months of budget year had passed before the officers would be installed. So, my term of office will be first that goes through September 30. This should have the Western Division officers and budget year mirror each other. While this may appear to be a minor change, it should assist future officers in establishing their plan of work with a budget they operate under for their full term.

Annual Meeting - The Western Division, Alaska Chapter and the American Fisheries Society are hosting the 135th AFS Annual Meeting in Anchorage, Alaska, September 11-15, 2005. **The theme of this annual meeting is "Creating a Fisheries Mosaic: Connections Across Jurisdictions, Disciplines, and Cultures."** Barbara Knuth is President of the American Fisheries Society and chose this theme because "the image of a "mosaic" captures for her what AFS is and should be." Alaska is an appropriate venue to highlight the mosaic of jurisdictions (i.e., local, state, federal, tribal, international), the mosaic of disciplines (i.e., freshwater and marine fisheries, ecological aspects and policy and social issues) and the mosaic of cultures (i.e., indigenous peoples, and traditional scientific approaches).

Fund Raising - Foremost, the Alaska, Chapter, Western Division and parent society are each

raising funds to meet targets that allow registration to remain stable for the annual meeting. Due to the relatively large target for the Western Division (\$30,000) we need to redouble our efforts. Casey Harthorn, Arizona/New Mexico Chapter, has stepped forward to lead a one-year full court press of fund raising. Casey will lead the Committee that will consist of officers both present and past. If anyone has contacts or would like to help with the effort, please call me or Casey.

This Committee will also plan for and conduct a "Fisheries Gala" in February 2006. Leaders in the fishing industry, boating manufacturers and policy leaders will be invited to attend sessions where we will request feedback on policy and resource issues/concerns. That is, given workload where do these national leaders feel the Western Division should be spending its valuable resources. When not debating workload, participants will be sampling steelhead in the Stamp River in British Columbia, Canada. There has to be some incentive to "donate" to the Western Division!

Plan of Work - The AFS Governing Board first adopted a Strategic Plan (SP) for the American Fisheries Society to cover the period 1999 to 2004. On August 21, 2004, the Governing Board approved its new 2005-2009 Strategic Plan. This Strategic Plan is intended to guide the Society's activities over a five-year period. Although the Strategic Plan was developed for the American Fisheries Society as a whole, all AFS subunits are encouraged to adapt the parent society's Strategic Plan to meet their needs, particularly emphasizing those sub-goals and strategies that are consistent with unit priorities. In addition, all units are encouraged to provide reports to the Governing Board that refer to progress on one or more elements of the Strategic Plan. With this in mind, The following Program of Work for the coming year focuses on three major goals that were articulated in the parent society's Strategic Plan:

- Aquatic Stewardship
- Information Transfer and Outreach
- Member Services

Aquatic Stewardship - AFS and its members will be leaders in promoting the sustainability and sound stewardship of fisheries resources and aquatic ecosystems.

Strategy from SP - AFS Subgoals AS 1 and AS 2 - Efforts will highlight the importance of bio-

diversity, watershed management, habitat conservation and educating the public/lawmakers about fisheries sustainability and sound stewardship of aquatic ecosystems.

Indicators of Success:

• Standing and ad hoc committees have been created to address key aquatic stewardship issues in western North America, including the Environmental Concerns Committee, Fisheries Sustainability Committee, Riparian and watersheds Committee, and Policy Review Committee.

• The Western Native Fishes Committee is evaluating the status of native fishes in western North America. After this Committee hosted a symposia at the 2004 WDAFS annual meeting, it is working to publish the papers.

• The WDAFS will participate in the proposed AFS ad hoc committee to examine past AFS Capitol Hill efforts with the idea of improving future Hill visits.

• The WDAFS continues to utilize the mid-year EXCOM meeting to identify emerging issues and develop common strategies for addressing them.

• Continues to support projects that advance aquatic stewardship in western North America through the Division's grant program.

• Sponsor of the 2005 symposium "Pacific Salmon Life History Models: Advancing Science for Sustainable Salmon in the Future."

• Support the "Coastal Cutthroat Trout Symposium" to be held September 29 to October 1, 2005 and sponsored by the Oregon Chapter.

Information Transfer and Outreach - AFS and its members will be recognized by decision-makers and natural resource professionals as an important source of science-based information about fisheries and aquatic systems and their conservation, management, and sustainable development.

Strategy from SP-AFS Subgoals ITO 1 and ITO 2 - Enabling our membership to be viewed as aquatic resource professionals by employers and the public. Improve visibility and AFS image as a scientific organization and information source.

Indicators of Success:

• Partnerships with organizations that share our concern about the future of fisheries and aquatic resources in western North America have been maintained and further developed;

• The visibility of WDAFS as a scientific organization and information source has been

further improved;

- The WDAFS Web Site has been further developed to provide timely access to science-based fisheries and aquatic resource management information;

- The Hutton Program has been actively supported and further developed to provide opportunities disadvantaged high school students to participate in the fisheries and aquatic ecosystem programs;

- WDAFS has participated actively in the development of public policy on key issues affecting fish, fisheries, and aquatic ecosystems in North America;

- The WDAFS has created an ad hoc committee to develop options for sending its newsletter electronically which should reduce costs and make the communications easier with professionals in other countries.

- Links between AFS and Stakeholder web sites have been further developed.

Member Services - AFS will provide excellent, cost-effective services, operations and support for its members.

Strategy from SP-AFS Subgoals MS 1, MS 2, MS 3, and MS 4: Meeting efforts will revolve around professional development opportunities and continuing education classes. The WDAFS could provide primary scientific and technical information on fisheries and aquatic resource topics from our wide array of fisheries professionals in western North America and Mexico. Continue to enhance electronic services and communications to all AFS members.

Indicators of Success:

- Student access to WDAFS and Parent Society Meetings has been enhanced by providing funding through the Western Division's Eugene Maughan Scholarship Fund, Sustainable Fisheries Foundation's William Trachtenburg Scholarship Fund and abundant opportunities have been provided for student volunteer participation and monetary compensation at the 2005 Annual Meeting;

- Communications with the Chapters has been maintained and enhanced by convening monthly conference calls;

- WDAFS Officers will make every attempt to attend the Annual Meetings of each Chapter (or meet with Chapter officers at other times) and communicate information on WDAFS activities;

- Broader involvement in WDAFS committees has been solicited through direct communications with members and other means;

- Marine scientists will be actively recruited to participate in the 2005 Annual Meeting in

Anchorage, Alaska;

- Registration fees at WDAFS Annual Meetings have been established at levels that encourage non-members to join the Society;

- Mexican scientists have been actively recruited by facilitating their participation in Annual Meetings. The WDAFS is supporting a meeting of Mexican fishery scientists May 2-5, 2005, in La Paz, Baja California Sur, Mexico that should accelerate the effort to form a Chapter in Mexico.

- Members will be provided with abundant opportunities to share information and refine their communication skills by presenting papers and posters at the 2005 Annual Meeting;

- Timely access to information relevant to WDAFS members has been provided through delivery of the Tributary, further development of the WDAFS Web Site, and application of the WDAFS List Server.

- An array of continuing education opportunities will be offered to members during the 2005 Annual Meeting.

The scope and scale of work being done by the Western Division has been mind numbing to me at times. With my trying to hold the reins of the President's position while continuing my regular job, I sometimes get behind in both "jobs." But then, I am able to spend a weekend getting caught up and doing things like this President's Address. It is at times of such reflection, that I marvel at the great science being done by our members and at the dedication exhibited by our officers, our Chapter and Committee Chairs and most of all by our members. Thank you.

Lynn Starnes - President

Seeking Entries for the 2005 Riparian Challenge

The Riparian, Watersheds and Habitat Committee is seeking entries for the Western Division's 2005 Riparian Challenge Award. The Forest Service, Bureau of Land Management and other conservation agencies or private industries in the states encompassed by the Western Division are invited to participate in the Riparian Challenge. Winners will receive the Western Division's *Award of Excellence in Riparian Management*. The purpose of the award is to:

- Encourage the Bureau of Land Management, Forest Service and other conservation agencies or private industry to strive for excellence in riparian and watershed habitat management,

- Encourage agencies to progress in on the ground accomplishments which when added

together throughout the West, will significantly improve riparian systems,

- Recognize managers and resource specialists for their efforts in maintaining, restoring, and improving riparian and watershed ecosystems.

We hope to receive a number of quality nominations from USFS, BLM and other conservation agencies or industry this year representing their efforts in riparian management. If you are aware of a project that should be considered, please ask the appropriate USFS, BLM, conservation agency or industry to submit an entry form. Winners will be selected in the following categories (depending on the number of submissions received):

BLM

- Best Resource Area or Field Office

Forest Service

- Best Ranger District

Other

- Best Riparian Project

More information, along with a description of the entry format and the criteria for evaluating entries can be found on the Western Division AFS web site www.wdafs.org or the Colorado/Wyoming AFS Chapter website www.fisheries.org/co-wy/. Entries must be received no later than April 15, 2005. The 2005 *Awards of Excellence in Riparian Management* will be presented at the Western Division's meeting in Anchorage, Alaska in September. The exact date and location will be announced at a later date.

Completed entries should be submitted to the Riparian Challenge Committee Chair at the address listed below and must be received by April 15, 2005. Contact Hilda Sexauer for more information (307-367-2147 ext. 231).

Hilda Sexauer
Riparian Challenge Subcommittee Chair
PO Box 850
Pinedale, WY 82941
Hilda.Sexauer@wgf.state.wy.us
(307) 367-2147 ext. 231

Please refer to **Page 6** for the Riparian Challenge Entry Format and Criteria for Evaluation

Molly Ahlgren The Fisheries Community Loses A Dedicated Member

Molly O Ahlgren

Assistant Professor of Fisheries and Aquatic Resources at Sheldon Jackson College

There is an empty space in the Alaska Chapter of AFS and in fisheries education in Alaska. Our colleague and friend, Molly Ahlgren died in a boating accident on 30 November 2004, just 3 days after her 47th birthday. A certified Emergency Medical Technician, Molly was responding to an EMS call with the Sitka Volunteer Fire Department.

Molly was born in Duluth, Minnesota and pursued freshwater fisheries for her education. She graduated Summa Cum Laude in Fisheries Resources from the University of Idaho in Moscow, ID in 1980 after having spent her summers accruing field research experience. She earned both an M.S. (1984) and Ph.D. (1988) in Fisheries/Aquatic Ecology from Michigan Technological University in Houghton, MI, where she remained for another two years doing post-doctoral research. What the Midwest lost, Alaska gained in 1990 when Molly took a position as an Assistant Professor of Fisheries and Aquatic Resources at Sheldon Jackson College in Sitka, AK. She was employed there as an Associate Professor at time of her death.

Molly's first love was teaching and she was dedicated to her students. She was a passionate teacher who felt her role was "to show people how to encounter the mystery of nature". She developed and taught "hands on" field-oriented courses (her words) in Fishery Science, Ecosystem Analysis, Fish Ecology, Ichthyology, Limnology, Marine Ecology, Marine Biology, Fish Behavior, and Ecological Research Techniques for SCUBA Divers. With that impressive list, it is no surprise that Molly Ahlgren was voted Faculty of the Year at Sheldon Jackson College in 1996 and had many devoted students, past and current. Her vision was to fully utilize the college setting as a classroom and she and her students spent many hours on the beach adjacent to her office. This vision led her to vigorously pursue funds and requisition artwork for the transformation of the wet lab and aquarium at the College. Under her direction the lab was transformed from non-operational to a wonderful resource for students, locals and visitors. Molly felt so strongly that field experience was critical for her students that she obtained her

100-ton Master's License when there was no longer a certified captain for the SJC research vessel.

Molly had passion for her discipline and endless energy for the many things in which she was involved. She was an active researcher, publishing much of her scientific work on her beloved detritivores. She had a soft spot for underdogs, and she liked to say that is how she came to study the sea cucumber, *Parasichopus californicus*. Molly was a Whitely Center Scholar and an Independent Researcher with the University of Washington Friday Harbor Laboratories. Molly served as a member of the Alaska Department of Fish and Game Advisory Committee and as an Associate Editor for the Alaska Fishery Research Bulletin. Molly put her professional research dive experience to use locally as a SCUBA guide and Dive master in Sitka and as a member of the Dive Rescue Team of the Sitka Volunteer Fire Department, the same organization for which she was an EMT. She was a dedicated environmentalist and contributed a reasoned professional voice to many difficult issues of local concern.

In November 2002, Molly was elected as the vice-president of the Alaska Chapter of AFS. In 2003, she became the president-elect of the chapter. In 2004, at the annual meeting of the Chapter that she planned and hosted in Sitka, Molly Ahlgren was installed as the President of the Alaska Chapter of AFS. Bill Wilson says she once gave one of the best scientific papers he'd ever heard. "It documented her work on sea cucumber ecology in coastal Gulf of Alaska waters mixing just the right amount of technical detail, humor, photographs, and well-prepared graphics such that she held the audience spellbound." That was the 1994 Alaska Chapter meeting when Molly won the best paper award. She was always willing to help and had planned to coordinate student involvement for the 135th Annual AFS meeting to be held in Anchorage, AK in 2005. The Alaska Chapter plans to dedicate the 2005 AFS meeting to the memory of Molly Ahlgren, because we know that we will be thinking of her and miss her terribly at that meeting.

Molly was the most alive person I know. That liveliness, coupled with incredible kindness and generosity touched so many people and gar-

nered so many friends. Ever generous, she gave up her ballet class (but stayed up late reformatting the program for AFS) to make time to have dinner with me when I was in Sitka the week before the Alaska Chapter meeting last month. Her vibrancy and enthusiasm were just what I needed then and will remember always. She walked lightly on the earth, with long strides and a dog by her side. Friends remember her brilliant intellect and her vibrant expression of life. She was a life-long learner. She was an inspiration to all who knew her because of her courage, perseverance, and authenticity. Molly died doing what she loved, being on the water and helping people. Alaska, AFS, the fisheries profession and the world will be lessened without her light.

A Molly Ahlgren Scholarship Fund has been set up at Wells Fargo Bank in trust with the American Fisheries Society, Alaska Chapter. Donations will be used to establish a scholarship in Molly's name to help the students to whom Molly was so dedicated. Please make contributions payable to: Molly Ahlgren Scholarship Fund. You may send your donation to: American Fisheries Society Alaska Chapter, c/o Ray Hander, Treasurer, 101 12th Ave., Room 110, Fairbanks, AK 99701, Phone: 907-456-0402.

Brenda Norcross



Molly in her lab

2004 - 2005 Awards Nominations Announcement

It's that time of year, again...nominating and honoring individuals or groups who have demonstrated outstanding contributions to the American Fisheries Society, to our profession, and to fisheries research, conservation and management. This is your opportunity to nominate and honor someone you have professionally admired and ensure that your peers receive the recognition they deserve. Please take a moment and think about people you know that meet the Division's award criteria and should be recognized for their significant contributions and accomplishments. You can check out past and present award recipients on the WDAFS website - www.wdafs.org/committees/awards/award_winners

The WDAFS Awards Committee is seeking nominations for awards that will be presented at our 2005 Annual Meeting in Anchorage, Alaska. Please submit nomination statements and all pertinent supporting documents to Tom McMahon, WDAFS Immediate Past President, 2221 West Greenway Road, Phoenix, Arizona USA 85023 (602-789-3268 or FAX 602-789-7265 or tmcmahon@azgfd.gov) by **May 20, 2005**.

The Division has five prestigious awards for individual and group achievements, some of which are given to non-AFS members. Please consider a nomination within the following categories:

Award of Excellence - This is the most prestigious award offered by the Western Division and it is intended to recognize sustained professional excellence. It is given annually to an AFS member who has demonstrated outstanding achievement and exceptional competence in fishery resource applications through monumental works, new methodologies, or multiple successful contributions that benefit our resources and profession. Successful nominees have usually excelled in research or management programs at the regional, national, or international level. Other examples include fresh, innovative approaches to improving our understanding of aquatic resources, and imaginative and successful programs in education at any level of teaching.

Award of Merit - This award is given to an AFS member(s) who has made a regionally significant and worthy contribution to our Division,

our profession, or our fishery resource.

Award of Special Recognition - This award is given to an individual or entity (AFS member or non-member) making a significant contribution to the development and success of the Western Division.

Robert Borovich Conservation Achievement Award - This award is given annually to an individual (AFS member or non-member) who has significantly contributed to fishery conservation within the Division.

Conservation Achievement Award - This award is given to an entity (such as an agency, tribe, or organization) that has demonstrated a significant contribution to the conservation of fishery resource within the Division.

In addition to the awards described above, the Division also awards the WDAFS Outstanding Chapter Award and the WDAFS Riparian Challenge Awards....check out our WDAFS website for more details.

2005 Western Division Nominations Committee

The mission of the Western Division's Nominations Committee is to recommend a slate of candidates for offices within the Division. In 2005, the Division will need to nominate and elect new members for three offices: Vice-President, Secretary-Treasurer, and AFS Nominating Representative. The Chair for the 2005 Nominations Committee is Immediate Past President Tom McMahon and he is looking for nominations for all three offices. The elected candidates will become new officers immediately following the Annual Meeting in Anchorage.

These offices are very important to the future operation and visibility of the Western Division. Please read the office descriptions below and forward to Tom the names of people he can research further. More information about all of our officers and the WDAFS Bylaws can be found on our WDAFS website.

Vice-President (2005-2006) - Coordinate activities of the Division standing and technical committees and serve as liaison between the committees and Executive Committee; serve as Chair of the Membership Committee and as a member of the Annual Meeting Program Committee; oversee activities of Policy Re-

view Committee and Environmental Concerns Committee; and (most importantly) follow through line of officers at Annual Meeting, becoming WDAFS President-Elect in 2006-2007 and WDAFS President in 2007-2008.

Secretary-Treasurer (2005-2007) - Keep official records (monetary and meeting notes) of the Division; disburse funds and submit various financial reports to the Executive Committee and Division membership; and submit minutes of Annual Meeting to the Society's and Division's Executive Committees. This is a two-year term and shall be eligible for re-election for a maximum of two consecutive terms (4 years max).

Nominating Representative (2005-2006) - The Division's representative to the AFS's Nominating Committee shall search the Western Division membership for potential candidates to Parent Society officerships (i.e, AFS 2nd Vice-President) and aid in their nomination.

Please forward these names to Tom by **April 1, 2005** for the elections this summer. Tom can be reached at (602)789-3268 or (602)568-1406 or tmcmahon@azgfd.gov.

Second International Burbot Symposium

The Second International Burbot Symposium has been planned for September of 2005. It will be a contributed symposium with the joint Annual Western Division American Fisheries Society and the Annual American Fisheries Society meetings in Anchorage, Alaska September 11-15, 2005. Categories will be similar to the First International Burbot Symposium: Life History, Physiology, Genetics, Ecology, and Fisheries Management.

For more information contact

Vaughn L. Paragamian
Idaho Department of Fish and Game
2750 Kathleen Ave.
Coeur d'Alene, Idaho, 83815
Phone (208) 769-1414
vparagam@idfg.state.id.us

Riparian Challenge Entry Format and Criteria for Evaluation

The Riparian Challenge was established as an annual event to encourage continued on-the-ground accomplishments in riparian habitat management in states encompassed by the Western Division of the American Fisheries Society. Entries must document riparian habitat management efforts where resource values will be or have been improved within a watershed. Examples of these resource values include, but are not limited to:

- Streambank stability
- Water quality
- Vegetative diversity
- Stream flows
- Subsurface water supplies
- Aquatic/fish habitat
- Terrestrial wildlife habitat
- Forage production
- Recreation/aesthetic qualities
- Education

Entries must be type written and must not exceed 4 pages of text (not including photographs and maps). Land use plans, research projects, handbooks or technical guidelines are not eligible. These are products that are not actually on the ground accomplishments or achievements. Electronic submissions are strongly encouraged. If submitting hard copies, please submit four complete copies (including photographs). Include the following information on the first page of each entry:

- a) Agency Name or Private Industry
- b) Name of BLM Field Office or Resource Area or name of USFS Ranger District and National Forest
- c) Mailing Address
- d) Primary contact person
- e) Phone number
- f) E-mail address
- g) 1-3 other contacts familiar with the project and telephone numbers
- h) Project plan or name
- i) Date the plan was initiated and date project was or will be completed

Each typed entry should accurately describe the project, including background, objectives and results. Include photographs or scanned images (no slides) adequate to describe the project. Maps can also be included. The following

questions should be answered within the text of each entry

- Which resource values were improved?
- Which species of wildlife will benefit from the project?
- Does the project address habitat for threatened or endangered species?
- How many stream miles and/or acres of riparian habitat were improved?
- Did the project involve an interdisciplinary process? Who was involved?
- Did the project involve multi-agency cooperation? Federal government, state government, private landowners, corporations, conservation groups, etc.

Winners will be selected in the following categories (depending on the number of submissions).

BLM

-Best Resource Area or Field Office

Forest Service

-Best Ranger District

Other

-Best Riparian Project

Winners will be selected on the basis of total points received from the judges for all projects/plans submitted by an office. Points will be awarded based on the resource protection afforded by each project/plan. Small projects are important and valuable; a number of small projects within a field office, resource area or district can equal the point total of an extensive multi-resource cooperative management effort. The Riparian, Watersheds and Habitat Committee of the Western Division of AFS will make selections.

Completed entries should be submitted to the Western Division Riparian Committee Chair at the address listed below and must be received by April 15, 2005.

Hilda Sexauer
Riparian Challenge Subcommittee Chair
PO Box 850
Pinedale, WY 82941
307-367-2147 ext 231
hilda.sexauer@wgf.state.wy.us

Please contact Hilda if additional information is needed.

Cashmere High School Student Named Hutton Scholar

Sarah K. Eichler, a senior at Cashmere High School, is one of 65 students nationwide selected to participate in the American Fisheries Society 2004 Hutton Junior Fisheries Biology Program. Eichler's \$3,000 scholarship enabled her to work with Dr. Karl Polivka, a research fishery biologist, at the Forest Service's Pacific Northwest Research Station. Polivka, based at the Station's Forestry Sciences Laboratory in Wenatchee, mentored and supervised Eichler during her more than 6 week work program at the lab.

"Sarah's participation in my research was exceptionally beneficial to me and the rest of the aquatic research team," Polivka says. "She worked beyond the expectations laid out by the scholarship to see that the needs of each research project were met. I think Sarah learned a lot from the experience, and I certainly learned a lot about being a mentor and thoroughly enjoyed having her in my program."

Eichler worked on two studies in Dr. Polivka's research program. The first was a study of behavioral interactions among threatened wild stocks of chinook salmon and steelhead trout and reintroduced coho salmon from a hatchery supplementation program. The second study examined small, steep, fishless streams flowing into Lake Wenatchee and their role in near-shore habitat used by chinook salmon smolts migrating through the lake from the upper Wenatchee River basin. The study also analyzed sculpins, or lake resident fish.

Eichler conducted field observations on individual fish, distinguishing fish species under water and making notes of specific interactions among feeding fish. She also became familiar with the aquatic insects in streams that serve as the major food resources for the fish studied. Her work with Dr. Polivka benefited the PNW Research Station's Aquatic and Land Interactions (ALI) research program at the Wenatchee laboratory. The mission of the ALI Program is to increase the understanding of the effects of natural processes and human activities on the interactions between aquatic and terrestrial ecosystems.

SYMPOSIUM ON FISHERY SCIENCES IN MEXICO



THIRD AND LAST CALL

SYMPOSIUM ON FISHERY SCIENCES IN MEXICO

The SYMPOSIUM ON FISHERY SCIENCES IN MEXICO will take place at La Paz city, Baja California Sur, Mexico, May 2 – 4, 2005.

The subjects to be discussed are:

1. Assessment and dynamics of fishing resources: Fisheries and exploited stocks dynamics and status; Research and resource assessment methods; New advances in methods on population dynamics and models.
2. Fishing efficiency: Ecologic and economic efficiency; Fisheries interactions; Fishing techniques, methods and strategies; Processing systems.
3. Potential resources: Stocks, availability, technologies, markets and promotions
4. Abundance, oceanography, and climate change: Environmental forcing and resources availability: climate, oceanography, pollution, etc.
5. Fisheries in the ecosystem context: Fisheries impacts on the ecosystem; Fisheries and conservation; Resource management in the context of ecosystem; Methods of study and simulation models.
6. Fisheries management: Scientific basis for sustainable fisheries; Fishing and environmental law for the management and conservation of aquatic resources; Integral management strategies: co-management, active participation, committees, historical rights, coastal management; Alternatives for sustainable fisheries programs: The Gulf of California, the Gulf of Tehuantepec, the Gulf of Mexico, and other areas.
7. Public education: the importance of fisheries conservation.
8. Organization of Mexican fishery scientists

ABSTRACTS FOR ORAL PRESENTATIONS OR POSTER SESSIONS SHOULD BE SUBMITTED BY JANUARY 31, 2005 BY E-MAIL TO: sympesq@ipn.mx

Participants can send more than one abstract and indicate their preference for oral or poster presentation. Abstracts, in English and Spanish, should not exceed 300 words. Please include the full name of all authors and addresses.

Symposium registration fees, in US dollars*: Before January 15, 2005, \$100; After January 15, 2005, \$150; At the event, \$200. *STUDENTS WILL BE ENTITLED A 50% DISCOUNT

The meeting hotel will be Los Arcos, at La Paz, where a special conference rate of US \$65 (single or double) is available (reservations@losarcos.com).

For more information, please visit www.cicimar.ipn.mx or www.wdafs.org, or write to sympesq@ipn.mx, or call to Dr. Mauricio Ramírez-Rodríguez at +(52) 612-1234658 or 1225344; Fax: 612-1225322.

WDAFS Officers and Representatives

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