



AMERICAN FISHERIES SOCIETY
ORGANIZED 1870
IDAHO CHAPTER



GILL RAKER GAZETTE

Volume 23, Issue 1

February 2003

Matt Powell - Editor

PRESIDENTS MESSAGE

Steve Elle

Often I am asked the question "What does the American Fisheries Society do for me?" From my viewpoint, the professional publications available from the society are probably on the top of the list, providing a way for many of us to stay up-to-date with current research and management publications. Besides the publications, our annual state gathering is some of the best our society has to offer. We get to touch base with old acquaintances and make new friends. The meeting offers an opportunity to exchange methods and results of projects we are currently working...amazing how many other folks out there are working on similar projects. And we get a chance to let our hair down-those who still have any left-and party! The evening raffle/auction is not only how we raise the funds we use to complete projects for the coming year, but also provide an excuse for a fun evening with friends. The annual meeting also offers the opportunity for you to get involved with committees and influence projects the chapter works on in the coming year. As usual, my response to the question eventually comes back to "the society is what its members make it". Come join us in Boise and help make this meeting a memorable one...and help make your Society a successful organization.

We are rapidly closing in on the annual meeting in Boise. This year's theme is **Technology - Where are we, where are we headed, and has it made us better Managers and Investigators**. Vaughn Paragamian has put together an excellent program...see below for a tentative list of presented papers. Please help us with meeting planning. If you plan on attending but do not want to pay before the meeting, please contact Rob Van Kirk and let him know you will be coming.

We have to give the hotel a head count before the meeting begins. If we guess wrong, it costs the Chapter funds that can be better used for projects instead of for meals we don't need. You can reach Rob at 208 282-2503 or vankrobe@isu.edu

I look forward to seeing you in Boise the end of February. Drive carefully!

*Idaho Chapter American Fisheries
Society*



*Annual
Meeting*

Thursday, February 27 - Saturday, March 1, 2003

**Title: Technology – “Where are we, where are we headed, and has it made us better
Managers and Investigators ?”**

Wednesday, February 26, 2003

- 6:00 PM – 8:00 PM Registration
8:30 AM – 4:30 PM Manuscript Preparation Workshop (pre-registration required)

Thursday, February 27, 2003

- 7:00 AM – 10:00 AM Registration
8:30 AM – 8:40 AM Introduction and housekeeping
8:40 AM – 8:55 AM President’s Address - Introduction to the Plenary Session

(Note: All presenters are primary authors unless otherwise indicated by *)

Plenary Session

- 8:55 AM – 9:15 AM Robert Ahrens -University of British Columbia, Lecturer - Fisheries Science or Rocket Science: Can We Send Fish to the Moon?
9:15 AM – 9:35 AM Matt Powell – University of Idaho, Assistant Professor - Advances in Molecular Genetics: Addressing Old Questions and Solving New Problems.
9:35 AM – 9:55 AM Jim Lotimer – Lotek - Fish and wildlife monitoring the road ahead
9:55 AM – 10:15 AM Robert McClure – Biosonics
10:15 AM – 10:35 AM Break

Panel discussion

Vaughn L. Paragamian, moderator

10:35 AM – 10:40 AM Introduction

10:40AM – 11:45 AM Discussion

Thursday, February 27, 2003 cont'd

11:45 AM – 1:00 PM Lunch Committee Breakouts

Session 1 – Technical Applications 1

Shanda Fallau Dekome,

moderator

1:00 PM – 1:05 PM Introduction to session

1:05 PM – 1:25 PM Mark Liter and Melo Maiolie - IDFG - Fishes of the Priest Lake System: Yesterday, Today and What Technology May Bring Tomorrow

1:25 PM – 1:45 PM Jack Doyle – USGS -Use Of acoustic instrumentation in collecting hydrologic data

1:45 PM – 2:05 PM Larry Brotman – ESRI -

2:05 PM – 2:25 PM Break

2:25 PM – 2:45 PM Art Butts – Hydroaquostic population estimates: can we identify targets in reservoirs with complex species assemblages

2:45 PM – 3:05 PM Gary Barton, E. H. Moran, and C. Smith – USGS – Instrumentation and methods used for high resolution bathymetric mapping of the Kootenai River white sturgeon habitat in Montana, Idaho, and British Columbia

3:05 PM – 3:25 PM Steve Combe – Electronic Data Solutions – Datasight: A relational database for managing, integrating, and distributing environmental data

3:25 PM – 3:45 PM Danielle Schiff – Spatial and temporal distribution of bull trout in the North Fork Clearwater River drainage, Idaho

3:45 PM – 4:00 PM Break

Session 2 – Technical applications 2, moderator

4:00 PM – 4:05 PM Introduction to session

4:05 PM – 4:25 PM Melo A. Maiolie and Eric J. Stark - IDFG - Strobe light testing to reduce kokanee entrainment losses

4:25 PM – 4:45 PM Russell Moursund – Battelle – The DIDSON acoustic camera: a new technology for the In Situ observation of fish

Thursday, February 27, 2003 cont'd

4:45 PM – 5:05 PM Dave Faurot – Nez Perce Tribe – Quantifying adult salmon spawner abundance in Lake Creek, Idaho

6:30 PM – ? Palouse Unit Student mixer at Idaho Pizza Company, 7100 Fairview Ave, Boise

Friday, February 28, 2003

Session 2 – Contributed papers 1 Jody Walters, moderator

8:00 AM – 8:05 AM Housekeeping and Announcements

8:05 AM – 8:25 AM S. Chamberlain – Dept. of Aquatic, Watershed and Earth Resources, Utah State U and J.L. Kershner, USFS - Evidence for a contracted thermal niche of exotic Brook trout in the presence of native Bull Trout in the Lost River Systems of SE Idaho.

8:25 AM – 8:55 AM David Arthaud and Jim Morrow - Relationship of Anadromous Fish Stock Performance and Stream Flow in the Lemhi and Salmon Rivers, Idaho

8:55 AM – 9:15 AM Darren R. Thornhill* and David H. Bennett - U of I - Using an Experimental Application of the Wolman Walk Pebble Count to Predict Fall Chinook Redd Site Selection in Priest Rapids Reservoir, Columbia River

9:15 AM – 9:35 AM Wade P. Cavender, Keith A. Johnson and Kenneth D. Cain - U of I - Distribution of *Myxobolus cerebralis* within a free-flowing river system during the migration period for juvenile anadromous salmonids in Idaho

9:35 AM – 9:55 AM Jim Younk – Idaho Power Company – Continuous Chlorophyll a monitoring on the Snake River

9:55 AM – 10:15 AM Break

Session 3 – Contributed papers 2, moderator

10:15 AM – 10:20 AM Introduction to session

10:20 AM – 10:40 AM Jason Pyron, Bart

10:40 AM – 11:00 AM Tami Reischel, Chris Peery, and David Bennett – U of I -Temperatures of Lower Granite Reservoir and Response of Adult Salmon and Steelhead to Cold Water Releases from Dworshak Reservoir in 2001

11:00 AM – 11:20 AM Kara J. Anlauf, Christine M. Moffitt, and Michael E. Colvin – U of I - Progress in using GIS based landscape parameters to model the likely influence of *Mixobolus cerebralis* in Idaho

Friday, February 28, 2003 cont'd

11:20 AM – 11:40 AM Art Butts – IDFG - Hydroacoustic population estimates: Can we identify targets in reservoirs with complex species assemblages?

11:40 AM – 1:40 PM Lunch – ICAFS Annual Business Meeting, Western Division AFS Update – Ken Hashagen

Session 4 – Contributed papers 3, moderator

1:45 PM – 1:50 PM Introduction to session

1:50 PM – 2:10 PM Bill Horton, Fred Partridge, Scott Marshall and Sharon Clark – IDFG – Collecting permits: more than any of us want to know

2:10 PM – 2:30 PM Derek S. Fryer, and James L. Congleton – U of I - Swimming performance of hatchery-reared yearling chinook salmon before and after passage through the Snake-Columbia River hydropower system

2:30 PM – 2:50 PM Carla Hogge, Matt Campbell and Keith Johnson – IDFG -Differentiating the neurotrophic Myxobolus sp. from *M. cerebralis* and its distribution in Idaho waters

2:50 PM – 3:05 PM David C. Burns, Rodger L. Nelson, Caleb F. Zurstadt, David M. Hogen, Michael McGee, Dale Olson – USFS - Developing an empirical model of bull trout persistence in south-central Idaho watersheds

3:05 PM – 3:25 PM Break

3:25 PM – 4:00 PM Reed Burkholder – Putting hydropower in perspective: comparing hydropower to other generating technologies

3:45 PM – 4:20 PM Doug Munson – IDFG - Changes in the IDFG ELISA – based culling program for brood Chinook salmon

4:05 PM – 4:40 PM Shawn R. Narum, CIT FC; Jason Vogel, Nez Perce Tribe; Andre Talbot, CRITFC; and Matt Powell, U of I, Center for Salmonid Species at Risk No genetic divergence detected between pre and post supplemented chinook salmon spawning aggregates in Johnson Creek, ID

4:25 PM – 4:45 PM Greg Schildwachter – OSC - Fish Conservation in the Upper Salmon Agreement comments to the Idaho Chapter, American Fisheries Society

4:45 PM – 5:05 PM Patrick Murphy, Tim Cochnauer, and Ed Schriever – IDFG - Utilization of tiger muskellunge for suppressing self-sustaining populations of introduced brook trout in high mountain lakes of Idaho

6:30 PM – 11:00 PM Raffle and auction with absolutely not-to-be-missed entertainment at 7:00pm

Saturday, March 1, 2003
Session 5 - Contributed papers 4, moderator

- 8:00 AM – 8:05 AM Housekeeping and Announcements
- 8:05 AM – 8:25 AM Daniel J. Isaak (U of I), Russell F. Thurow, Bruce E. Rieman, and Jason B. Dunham – USFS - Temporal Variation in Synchrony Among Chinook Salmon Redd Counts from the Middle Fork Salmon River, Idaho
- 8:25 AM – 8:45 AM Joseph R. Kozfkay and David M. Teuscher – IDFG -Improving vulnerability to angling of rainbow trout-a selective breeding experiment
- 8:45 AM – 9:05 AM Benjamin R. LaFrentz, (U of I) Scott E. LaPatra, Gerald R. Jones (Clear Springs Food), and Kenneth D. Cain – U of I -Antigenic characterization of *Flavobacterium psychrophilum* and determination of protective antigens
- 9:05 AM – 9:25 AM Stephen R. Clayton, Jody K. Brostrom (IDFG), and Peter Goodwin - Philip Williams & Associates, Ltd - Quantifying Physical and Biological Responses to Stream Restoration at the Reach Scale
- 9:25 AM – 9:50 AM Tim Cochnauer and Christopher Claire – IDFG - SStatus, distribution, and habitat utilization of Pacific lamprey in the Clearwater River drainage, Idaho
- 9:50 AM – 10:05 AM Break
- 10:05 AM – 10:25 AM Doug Munson – IDFG – An epizootic at Sawtooth hatchery
- 10:25 AM – 10:45 AM Michael Colvin, Kara Anlauf, Keith Johnson (IDFG) and Christine M. Moffitt – U of I – Prevalence of *Myxobolus cerebralis* in the Pahsimeroi watershed, Idaho: associations between landscape and fine scale habitat characteristics
- 10:45 AM – 11:05 AM Russ Thurow (USFS) and Dan Isaak (U of I) - Temporal and spatial dynamics of chinook salmon in the Middle Fork Salmon River, Idaho
- 11:05 AM – 11:25 AM Brett Roper -
- 11:25 AM – 11:45 AM Vaughn L. Paragamian – IDFG – Road blocks to hypothesis testing or the back door to recommended flows for burbot
- 11:45 AM - 12:00 PM Presentation of best paper awards, closing remarks
- Adjourn
- 1:00 PM Executive Committee Meeting

Nominations Committee

Upcoming IDAFS Elections

The following is a list of candidates for IDAFS office. Elections will be held during the annual meeting.

NOMINATIONS CHAIR

Art Butts

Art Butts is a fish biologist for Idaho Fish and Game in Nampa. While growing up in Utah, he found himself spending an inordinate amount of time chasing brown trout in the Ogden and Weber rivers. This pastime resulted in an interest in the biology, behavior, and conservation of western fishes. This love of angling lured him away from a career as a heavy metal musician, and he enrolled at Utah State University in Fisheries and Wildlife, in hopes of finding the financial benefits of a being a fisheries biologist. Art received a B.S. in Fisheries and Wildlife in 1996 and a M.S. in Fisheries Biology in 2002. Art's professional interests include the management, ecology, and conservation of fish populations in lakes and reservoirs, fish behavior and distribution, and assisting in finding ways to decrease the time in between bites for Idaho anglers. Art has been a member of AFS since 1992 and believes the society plays an important role in the protection and enhancement of fisheries resources as well as the continuing development of fisheries professionals. Art would like to "do his part" and contribute to ICAFS by serving as Nominations chair.

Joe Krakker

Joe is currently a Fisheries Biologist for the U.S. Fish and Wildlife Service. During his 19 years with the Service he has worked for the Sea Lamprey Management Program in the Great Lakes, Colorado River Fisheries Program in Utah and Colorado, Trinity River Restoration Program in northern California and currently for the Lower Snake River Compensation Plan Office in Boise, Idaho. Joe also worked for the California Department of Fish and Game for 3 years in northern California. Joe received his B.S. in Geography-Conservation from Northern Michigan University and M.S. in Fisheries from Humboldt State University. He has been an active member of the Bonneville, Humboldt, and Idaho Chapter's of the AFS during his career and would like to serve as the Nominations Chair to actively recruit members to participate in leadership positions in the Idaho Chapter.

SECRETARY - TREASURER

Joe Kozfkay

Joe currently works as a fisheries research biologist with the Idaho Department of Fish and Game out of the Nampa office. Joe received a B.S. in fisheries science from Michigan State University in 1995. After which, he worked as a temporary employee for the University of Missouri, the Missouri Department of Conservation, and the Wyoming Department of Game and Fish. Joe completed a M.S. in fisheries resources from the University of Idaho in 2000. Since then, Joe has conducted research on the Kootenai River burbot, and more recently has focused on developing and integrating methods for producing triploid salmonids in resident hatcheries and assessing their field performance. Joe is interested in the Secretary/Treasurer nomination because he would like to become more involved in AFS and learn more about how the chapter operates.

Kristine Vollmer

Kristine has been an AFS member and Fish Biologist on the Lowman District, Boise National Forest for almost 12 years. She has also worked for the Sawtooth, Nez Perce, and Kaibab NFs, Purdue

University, and numerous private businesses and nonprofit organizations. In addition to fisheries, she has worked in wildlife, hydrology, aquatic botany, and bookkeeping. Kristine earned her BS in Ecology, Evolution, and Population Biology from Purdue, and her MPA in Public Administration – Natural Resources from Boise State University. As Office Manager for a private business grossing 7 digits/year, Kristine personally handled and accounted for all \$\$\$ going in and out and all written communications, dealing extensively with the Navajo Tribe, lawyers, and the IRS. In her 15 years of volunteer work with two nonprofit ambulances and a health clinic, Kristine has served as treasurer, secretary, VP, chair of board of directors, grant writer, position paper writer, liaison with County, EMT, CPR/1st Aid Instructor, #1 penny pincher, and person who did the things that needed to get done that no one else wanted to do. In the November Gill Raker Gazette, President Steve Elle asked members to get involved and spread the wealth of work - Kristine is ready, willing, and very able.

VICE PRESIDENT

Russ Kiefer

Russ Kiefer has been working the past 16 years as a Fisheries Research Biologist for the people of the state of Idaho with the Idaho Department of Fish and Game. Russ's Idaho research emphasis has been on estimating wild/natural production and life cycle survival for chinook salmon and steelhead trout. Russ received a B.S. in Zoology from Texas Tech University and a M.S. in Aquatic Biology from Southwest Texas State University. His early professional fisheries experience was varied and included; environmental consulting firm, warmwater fish hatchery, private conservation organization, private lake fisheries management, coastal fish hatchery, and regional fisheries management. The factors that brought Russ to Idaho were his love of "the west", summer vacations to Idaho visiting relatives and fishing, acute interest in coldwater fisheries, the luck of applying when there were actually jobs available, and a supportive wife. Russ's main motivation is to help society learn how to live and prosper in concert and not in conflict with the natural environment that sustains us. He believes in AFS's mission to promote the conservation and wise use of the world's fisheries resources. Russ would like to better assist the AFS and the ICAFS fulfill this mission. If elected Russ's goals will be to help fulfill AFS's mission, promote member professionalism, increase the visibility and societal role of ICAFS, and increase the number and diversity of membership.

Scott Owen

My current work involves writing Source Water Assessment reports and collaborating with the Idaho Department of Water Resources (IDWR) to write Drinking Water Protection Plans for Public Water Systems in Idaho. I also manage remediation projects involving petroleum releases which have the potential to contaminate surface waters. I have completed my graduate research and will receive a M.S. in Waste Management and Environmental Science from Idaho State University in May of 2003. My graduate research was to monitor changes in functional and structural diversity of the microbial community in a constructed wetland system used to treat agricultural wastewater. Another focus of my research was to determine the treatment efficiency for removing common agricultural pollutants at the same constructed wetland system. Other research has included but is not limited to a bioremediation project at the Idaho National Engineering and Environmental Laboratory (Bioremediation Journal volume 6(2), 2002), a senior thesis examining seasonal variation of hydraulic conductance in sagebrush, and a graduate research project evaluating toxicity of selenium to rainbow trout fry. Before attending graduate school, I worked in the water treatment industry for eight years and spent two years as a reservist for the Idaho Department of Fish and Game. I have a keen interest in protection of fishery resources and aquatic habitats and would like to see a more extensive incorporation of wetland creation and enhancement projects to help achieve this goal. I have worked on wetland projects involving the Natural Resource and Conservation Service, the Idaho Department of Fish and game, Idaho State University, and the city of Pocatello, Idaho. If elected to this position, I vow to work diligently to help maintain the ideals set forth by the American Fisheries Society.

Manuscript Preparation Workshop

The Manuscript Preparation Workshop is closed. We have about 27-28 registrants.

Fundraising Committee Update

"Everything is worth what its purchaser will pay for it."

Publilius Syrus (~100 BC)

The fundraising effort is off to a slow start, with the economy being what it is. However, we are making progress. So far you can look forward to seeing, Art (that's art work and Art Butts, FRB Nampa, Idaho), Alligator Heads (donated by Fish Processors Inc. Hagerman, Idaho), a Gyo-taku Barrucuda, (donated by member Phil Groves of Ichy Prints), a depth finder (donated by BottomLine, Garden City, Idaho), Backsplash Pottery, custom fly rods and much much more!

First Ever People's Choice Award

In the last fundraising update I mentioned the "First Ever People's Choice Award". This is a new event to the fundraiser that will allow you the members to select from handmade items created and donated by chapter members. In the past chapter members have donated pottery, baskets, framed flies, a fly tying desk and hand built rods. This is an opportunity for chapter members to show their talent and have fun in the process.

Guidelines and protocols for the People's Choice Award-

- 1) Build, craft or otherwise create an item for the fundraiser
- 2) Deliver the item to a member of the Fundraising Committee by the evening of the 27th.
- 3) All members will be given one vote to pick their favorite item
- 4) Winner will be awarded a **Fishing Trip for two on the South Fork of the Boise River**, with the infamous Steve Elle. Steve has promised to provide hilarious anecdotes, suspect rowing ability and lunch!
- 5) Bribery will be encouraged.

Again, various levels of hand-crafting will be eligible; the only requirement is the item is made by a chapter member. Get your creative juices flowing and help us increase the number of raffle and auction items we have to sell or give away.

Fish-O-Flies, *Oncorhynchus idahoii*

Last year the *O. idahoii*, had over 130 hand-tied flies plus assorted bass plugs and spinners, I know because I bought it!

Flies of all shapes and sizes are encouraged.

As an added incentive, **FOR EVERY HALF-DOZEN FLIES YOU BRING, YOU GET 3 GENERAL RAFFLE TICKETS!!**.

Anyone wishing to donate items or help out with the fundraiser please contact: Lance Hebdon, 208-465-8404 or hebdon@idfg.state.id.us

ICAFS Photos

Greetings ICAFS members,

The education committee (Doug Megargle and Dave Venditti) is currently attempting to revamp the ICAFS slideshow presentation "Fishes of Idaho" created previously by Chris Downs and Jim Fredericks). The goal - To digitize the existing 35 mm slide presentation and make it available for download from our website. If you've visited our website in the past year you may have noticed our plea for more pictures. Our current collection is - quite frankly - miserable. We are either missing photos, or many of those that we do have don't depict identifying characteristics (colors, markings, etc.) or they are simply of poor quality (scanned slides). Our hope is that with the increased use of digital cameras around the state, it would be easier than ever to compile a great photo archive of Idaho's fish species.

This leads to our request: If you have (or know of anyone who does have) good quality digital photos of fish species found in Idaho, would you please forward copies to us. Given the increased use of digital cameras, we figured it would be easier than ever to get copies from those of you who encounter different species over the field season. Ideally, photos should be close-ups depicting the true colors and size of an individual. It is often useful to have something in the photo to provide a scale for fish size (penny, ruler, etc.).

You can forward photos to us several ways:

- 1) Via email: wildfishresearch@yahoo.com
- 2) Via snail mail (CD's, floppy, zip):

David Venditti
1414 E. Locust Lane
Nampa, ID 83686-8451

- 3) Bring copies with you to the ICAFS Meeting

We have provided a table on the ICAFS website (<http://www.fisheries.org/idaho/PHOTO%20NEEDS.DOC>) describing our current needs; however, we would welcome any pictures you may wish to contribute. Each picture used in the presentation will be labeled with the person name who contributed the photo. If you don't currently have a photo, please keep us in mind in the future. Thanks to all who have already contributed, we truly appreciate your efforts.

CHEERS !

Douglas Megargle
Regional Fishery Manager: Region 4 Office
Idaho Department of Fish and Game
P.O. Box 428
Jerome, Idaho 83338
(208) 324-4359

ANNOUNCEMENTS

- **Western Division Annual Meeting**

Cal-Neva AFS will host the 2003 Western Division Annual Meeting in San Diego April 14-17, 2003. The meeting will be held at the Hyatt Islandia Hotel in San Diego. There will be 21 technical sessions as well as a variety of continuing education opportunities. One of the evening socials will be held at the Scripps' Birch Aquarium. Deadline for submission of abstracts for technical presentations is January 17, 2003.

Deadline for early registration is March 14, 2003. Abstracts should be sent to Mark Brouder, US Fish and Wildlife Service, AZFRO-San Carlos, Peridot, AZ 85542, 928-475-2554. His email is Mark_Brouder@fws.gov Additional information on the annual meeting is posted on the following websites

www.fisheries.org/wd/meet/doo3/Poster2.pdf

www.fisheries.org/wd/meet2003_new.htm

SEE THE LAST PAGE FOR THE CALL FOR PAPERS

- **WDAFS Eugene Maughan Graduate Student Scholarship**

The Western Division is pleased to announce that applications for its graduate-level student scholarships are now being solicited. This scholarship program provides up to \$3,000 annually in scholarships to master's or doctoral students in the general area of fisheries science with one to three awards to individual students. Beginning in 2002, the Sustainable Fisheries Foundation established the William Trachtenberg Memorial Scholarship Fund, which augments the Western Division scholarship program. This fund provides up to \$600 annually to a graduate-level student conducting studies on fisheries sustainability. Applications for the Western Division scholarship program will automatically be considered for the Sustainable Fisheries Foundation scholarship program as well. An award committee of five fisheries scientists from the Western Division will make the decision regarding the award of scholarships from both programs. Selection criteria include demonstration of:

1. excellent scholarship as evidenced by grades in rigorous course work during the last 60 hours as an undergraduate and during graduate studies;
2. potential for future contributions to the fisheries profession through management, research or teaching;
3. significant progress toward attaining a graduate degree in fisheries science with a defined thesis or dissertation project.

The 2003 scholarships will be awarded at the annual meeting of the Western Division in San Diego, California, April 14-April 17, 2003.

APPLICATION CRITERIA AND PROCESS

1. Applicants must be a member of the American Fisheries Society or have submitted 2003 membership materials by the time of application. *AFS Member number should be placed on application.*
2. Applicants must have completed one semester or two quarters in a graduate degree program at a university within the geographic boundaries of the Western Division.
3. Applicants must have a major field of study that is related to fisheries or aquatic science.
4. Applicants must submit an application package that contains **five** copies of each of the following:
 - A. A letter to the award committee that includes (three separate items):
 1. A brief description of the student's degree program and the anticipated date of completion;
 2. A statement of the applicants career goals and reasons for applying for the scholarship (up to 200 words);
 3. A statement of the academic and professional activities and contributions to AFS and the fisheries science profession (up to 200 words);
 - A. Copies of undergraduate and graduate transcripts, and GRE scores;
 - B. A one-page abstract outlining the goals, objectives, design, methods and expected outcome from the thesis or dissertation project.
 - C. letters of reference from two faculty members (one must be the graduate students advisor) familiar with the student's background and abilities. Letters may be sent separately by individual providing the reference.

The application package should be sent (postmarked) before, March 15, 2003 to:

Robert Greswell
Western Division Scholarship Award Committee
USGS-FRESC
3200 SW Jefferson Way
Corvallis, OR 97331
541-750-7410 (w)
541-758-7761 (f)
robert_gresswell@usgs.gov

- **Fish in the Classroom**

Following the annual meeting in Boise, the Chapter will fund an aquarium and chiller for a new Fish in the Classroom Project. We have decided to award the aquarium based on a "bidding process". Any member can submit a bid. The bids should include the name of a teacher who will conduct the class. The name of one or more AFS members who will assist the teacher. Whether or not matching funds (agency or organization such as Trout Unlimited) are available. The aquarium and chiller will be awarded based on the bids and also based on the presence or absence of other projects in the geographical area proposed (If we already have 5 projects in Boise and none in Lewiston, the Lewiston Project would receive priority). You can submit your bid to Steve Elle via email selle@idfg.state.id.us or you can bring it with you to the meeting. Our intention would be to have a new project up and running this fall or next spring.

- **Radio Telemetry Workshop**

Tammy Salow with Bureau of Reclamation is planning a radio telemetry workshop in Boise for Tuesday, Feb 25. She has room for up to 25 bodies. If you are interested in attending, please contact her at 208 334-1449 or by email tsalow@pn.usbr.gov

- **State Chapter Website**

We've got our own website with info that includes current and past newsletters, announcements and addresses/telephone numbers for your chapter officers. Check it out at http://www.fisheries.org/idaho/news_letter.htm

- **Pass It On!**

Please pass along this electronic newsletter to everyone in your agency. If you did not get it directly, send your email address update to Chris Downs at cdowns@sandpoint.net

ICAFS EXCOM

President: Steve Elle Phone: 208-465-8404
Email: selle@idfg.state.id.us

President Elect: Vaughn Paragamian Phone: 208-769-1414
Email: vparagamian@idfg.state.id.us

Vice President: Matt Powell Phone: 208-837-9096
Email: mpowell@uidaho.edu

Sec./Treasurer: Rob VanKirk Phone: 208-282-2503
Email: vankrobe@isu.edu

Past President: Brett Roper Phone: 435-755-3566
Email: broper@fs.fed.us

Registration

ICAFS Annual Meeting

February 27th – March 1st, 2003 Boise

(Mail by Feb. 14 to ICAFS c/o Rob Van Kirk, Department of Mathematics,
Campus Box 8085, Idaho State University, Pocatello, ID 83209)

Please make checks out to Idaho Chapter American Fisheries Society (ICAFS)

Last Name: _____

First Name: _____

Affiliation: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Email Address: _____

Phone: (work) _____ (Home) : _____

Palouse Unit Member (check if yes): _____

Registration Fees:

2003 pre-registration (\$75.00) _____
registration at the door (\$90.00) _____
National Dues (\$76.00) _____
Sections/Publications (optional) _____

Total for 2003 AFS Member _____
2003 Student Member (\$38.00) _____

(If you are a 2003 student member of National AFS, registration fee is waved)