



AMERICAN FISHERIES
SOCIETY



NEWSLETTER

March 2004

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We would appreciate your comments on this electronic version of the NC Chapter Newsletter. Please send all responses to Joe Hightower (jhightower@ncsu.edu)

President's Message – Mallory Martin

Service...with a smile!

One of the great things about AFS service is the opportunity to work with folks outside of our usual circles of colleagues. Since joining the chapter's ExCom last year as President-Elect, I've had many occasions to extend my own network of fisheries contacts throughout North Carolina, and beyond. The professional benefits of these kinds of interactions are enormous, and are likely to influence me for quite a long time.

That network of AFS contacts includes people like Kim Sparks, who served as Secretary/Treasurer of the chapter for two years on her own time, without employer support for her participation. During her reign, Kim kept the financial and administrative records of all chapter business in top-notch form, even surviving a financial audit from Bob Curry! Other influential AFS volunteers include chapter past-presidents Shari Bryant and Tom Kwak. These folks implemented and completed an impressive slate of accomplishments for our chapter, significant enough for our chapter to be recognized at the Southern Division Spring Meeting as Outstanding Chapter for 2003 (see accompanying article). Everyone in the chapter deserves to be congratulated for that special recognition by the Southern Division!



Smiling AFS volunteers Shari Bryant (L) and Kim Sparks (R).

While preparing for the chapter annual meeting last month, I asked for assistance from many of you to help out with various aspects of the meeting and workshop arrangements and I was never turned down. In fact, I had more people asking "What can I do to help" than I had tasks for them to work on. Then, shortly after being installed as your chapter President, I contacted each of the chairpersons of the various chapter committees to ask for their continued service to the chapter for another year. Without exception, the answer was an enthusiastic "Yes!" I can't imagine a more eager and passionate group of people with whom to work.

The point of all this is that our chapter is fortunate to have a diverse membership of individuals who are willing to devote their time and efforts to the work of the chapter. This is truly a volunteer organization and no one gets much recognition or individual reward for his or her efforts. Nevertheless, you'll be hard pressed to find a group of folks any more committed to participation, more devoted to cause, or more dedicated to purpose. Thanks to you all for your continued service.

Now, here's the hook: If you're looking to increase your involvement in AFS, or just wanting to increase your experience level or expand your fisheries contact network, there are virtually unlimited opportunities right here in our own chapter. You'll probably find, like I did, that your volunteering initiative will be much appreciated by the other smiling servants in the chapter. Ask any of the committee chairpersons or chapter officers (the list is on the website) how you can contribute.

Mal

Minutes of the 2004 Annual Business Meeting

[Click here to view the 2004 Annual Business Meeting Minutes.](#)

Submitted by Kim Sparks, Past Secretary-Treasurer

Nomination Committee

Thanks are extended to all the candidates for their willingness to serve. Balloting was close; the new President Elect is Duane Harrell, Duke Power company, and the new Secretary/Treasurer is Brian McRae, NCWRC.

Submitted by Chad Thomas, Nominations Committee Chair

2004 NCAFS Awards

Awards presentations are one of the highlights of our annual Chapter meeting. This year marks the first time we presented separate best paper awards to students and professionals. Thanks to timely efforts by the many members who assisted in judging papers we were able to determine the winners in both categories in time to present the awards at the business meeting on February 5th.

The **2004 Richard L. Noble Best Student Paper Award** was won by **Alesia Read** for her presentation titled *Assessment Tool for Identifying American Shad Spawning and Nursery Habitat*. Alesia's paper was

coauthored by Dr. Joe Hightower, her M.S. advisor at NC State University. In addition to her award plaque Alesia will receive a monetary award, instituted this year by the Executive Committee, of up to \$500 from the Chapter's new Ichthus fund for travel to present her paper at the 2004 parent society meeting in Madison.



Alesia Read receives the 2004 Richard L. Noble Best Student Paper Award from the man himself.

The **2004 W. Don Baker Memorial Best Professional Paper Award** was won by **Dr. Greg Cope** for his presentation entitled *Assessing the Presence of Estrogenic Chemicals with Sentinel Fish*. Greg's paper was coauthored by Gerald A. LeBlanc, Larry McMillan,

and Scott L. Van Horn. Congratulations to both our winners.



President Tom Kwak presents the 2004 W. Don Baker Memorial Best Paper Award to Greg Cope.

The **Distinguished Service Award** recognizes Chapter members who have distinguished themselves by service to the Chapter, the American Fisheries Society, or the fisheries profession. This year the Chapter presented its Distinguished Service Award to **Fred A. Harris** in recognition of his distinguished service to the North Carolina Chapter through positions of leadership in the Southern Division and Parent Society, culminating in the Presidency of the American Fisheries Society.



Awards Chair Jim Rice and President Tom Kwak present the 2004 Distinguished Service Award to Fred Harris.

Fred played a significant role in the creation of the NC Fisheries Worker's Association in the mid 1980s, and its subsequent evolution into the NC Chapter of the American Fisheries Society. His leadership and encouragement are major reasons why we have such a

high level of involvement by fisheries professionals in our Chapter; his example and expectations have made us better. Likewise, Fred has had a strong and steady influence on the Southern Division of AFS in many roles, including as its President. Our parent society has especially benefited from his leadership in recent years as he has served on the AFS ExCom and as our President.

In all these roles Fred has been our Ambassador, always representing us well, carrying forward our views, and letting it be known that we are a Chapter that can be counted on to get things done. Thank you Fred!

Submitted by Jim Rice, Awards Committee Chair

SDAFS Outstanding Chapter Award

Congratulations All the Way Around: NC Chapter Receives Outstanding Chapter Award -- Those of us NC Chapter members that were fortunate enough to attend the business meeting at the Southern Division AFS Spring Meeting, 26-29 February in Oklahoma City were pleasantly surprised. Our chapter was recognized as the Outstanding Chapter for 2003-04! In some ways, this award was not a surprise to me, because as past president, I've been aware of some of the many accomplishments of the last year that led to the award.

Ten recent chapter highlights (not a top-10 list, just a random sampling) that helped earn this honor are

- (1) a newly instituted raffle for AFS Parent Society memberships for one undergraduate student, one graduate student, and one young professional that attend the chapter annual business meeting from donations at the door;
- (2) a new parent society raffle among members voting for new officers, to improve a previously low voter turnout;
- (3) hosting a successful 2003 SD Spring Meeting in Wilmington;
- (4) newly instituted student-mentor dinner at our annual meeting;
- (5) supporting the Hutton Program, a grant award to a local museum, and participating in funded youth mentorship activities;
- (6) seeking and receiving a grant award and developing and distributing an educational poster on introduced aquatic nuisance species;
- (7) passing resolutions on instream mining, proposed coastal developments, the effects of non-native aquatic species, and reducing sedimentation in surface waters;
- (8) organizing a symposium on sedimentation effects at the 2003 SDAFS Spring Meeting;

- (9) sponsoring and instructing a workshop at the SD Spring Meeting on population parameter estimating for fisheries; and
- (10) publishing an article in *Fisheries* related to that workshop.

The award plaque that president Mallory Martin and I accepted on your behalf reads

“The Southern Division presents its Outstanding Chapter Award to the North Carolina Chapter, for promoting professionalism among its members and enhancing fisheries in their region.”

Mallory will display the Award at our next annual Chapter Meeting (joint with the NC Wildlife Society Chapter) and it will circulate, along with our Chapter’s charter, with the current standing Chapter president. As the Southern Division Outstanding Chapter, our application materials will be forwarded to the Parent Society Awards Committee for consideration as the Outstanding Chapter among those in the Parent Society, which will be awarded at that annual meeting during August in Madison, WI.

Congratulations to you all for this tribute to your steadfast effort and exceptional accomplishments!

Submitted by Tom Kwak, Past President

NCSU Student Subunit Report

February was a month of meetings and awards for our subunit. Eight students from NCSU attended the North Carolina Chapter meeting, four of whom presented. We are very proud of Alesia Read, who won the Rich Noble award for best student paper. At the meeting we organized a successful student mentor dinner, where students had the opportunity to meet one-on-one with professionals in the field.



Lawrence Dorsey draws the winning ticket for a unique prize at the student raffle.

We also raised over \$400 with our annual raffle. Thanks to our 11 donors we gave away over 20 prizes to happy conference-goers. With funds raised in the raffle a \$300 scholarship will be awarded to an undergraduate student in fisheries to attend NCSU summer camp, a required field course for fish and wildlife undergraduates.

Ed Malindzak led the one student delegation to the Southern Division meeting in Okalahoma City, where our members were honored with several awards. Dave Hewitt was recognized for the best student paper given at the 2003 Southern Division meeting in Wilmington, NC. Jessica Thompson was given an honorable mention for her presentation at the 2003 meeting as well. Jessica Thompson was re-awarded and Lori Davias was awarded the Robert M. Jenkins Memorial Scholarship. Two of these awards are given annually by the Southern Division Reservoir Committee to students conducting reservoir-related research.



Lori Davias (left) and Jessica Thompson (right) 2004 recipients of the Robert M. Jenkins Memorial Scholarship.

Our first student subunit meeting of the spring was well attended. Nolan Banish from the University Georgia gave a very good talk titled. “An introduction to bull trout”. Two more speakers planned for this spring, Dr. Harry Daniels will speak on April 6th and Dr. Russell Borski will speak on May 4th.

We kicked off the spring with several volunteer activities. We wrote questions for the aquatics section of this year’s *Envirothon*, a quiz bowl event for middle and high school students. Our members presented at

“expanding your horizons” an event where 7th grade girls learn about careers in science. The spring has just begun and with the improving weather you can count on more activities from your lively student subunit.

Please check out the sub-unit web page at http://www.ncsu.edu/stud_orgs/sfs/ to learn more about our group and upcoming activities. The sub-unit list serve is the best way to stay up to date on fisheries related happenings at NCSU. Directions on how to subscribe are available at the web site.

Contact Summer Burdick (smburdic@unity.ncsu.edu) if you have any questions about Sub-unit events.

Submitted by Summer Burdick, Student Subunit President

Education Committee

A continuing education workshop was offered Wednesday morning on the topic of Fisheries Technology. A unique educational opportunity was set up by the Continuing Education Committee that included 30-minute presentations by various manufacturers and representatives of fisheries equipment. The high-tech fisheries world was represented by Biosonics (telemetry), YSI (instrumentation), Sonotronics (telemetry, tags), Grant Engineering (telemetry), Lotek (hydroacoustics), and HTI (hydroacoustics, tags). The workshop format allowed for interaction and specific Q & A between the vendors and field users. Much positive feedback was received from participants and vendors alike.



Kevin Kumagai, HTI, displays goods and services at the Fisheries Technology workshop.

As always, I would appreciate any comments or suggestions regarding items for the Education Committee. While I have focused primarily on continuing education for members, there are other ways we as a chapter can provide education outside of our

membership. If anyone has any suggestions, please contact me at dorseylg@vnet.net or 704-986-6109.

Submitted by Lawrence Dorsey, Education Committee Chair

Environmental Concerns Committee

If Chapter members would like to participate in addressing any issues or have ideas or suggestions please contact Dave McHenry at E-mail: david.mchenry@ncwildlife.org or use the comment form on the ECC web page.

Submitted by David McHenry, Environmental Concerns Committee Chair

News from around North Carolina

2004 NCAFS Meeting Summary from Mallory Martin
- Our 2004 annual chapter meeting was held in Asheville on February 4-5 at the Renaissance Hotel. More than 100 people attended making this our largest chapter meeting ever. Since the meeting was located in the western end of the state, few of our marine and coastal colleagues made the trip but several fisheries folks from neighboring states were able to attend. Most notably, a group of students from the University of Georgia fisheries department came in for the technical sessions. Twenty-four technical presentations were scheduled and began on Wednesday afternoon. In keeping with the mountain location, several presentations on trout management and brook trout genetics were provided. Alesia Read, NCSU, received an award for best student presentation and Greg Cope, also of NCSU, got the best professional presentation award (see accompanying Awards article). An evening social was held in the hotel ballroom featuring beverages and an outstanding assortment of hors d'oeuvres. Meeting attendees of all ages enjoyed the food and socializing.



Meeting attendees enjoy the Wednesday evening social.

Following the social, participants in the student-mentor dinner headed out to eat some more! Overall, the 2004 chapter meeting was a great experience, offering continuing education, technical stimulation, and socializing opportunities galore! If you missed it, don't worry. Plans are already underway for the 2005 chapter meeting – can it be any better?

AFS News from Past-President Fred Harris – AFS, the Estuarine Research Federation and the Ecological Society of America hosted a Capitol Hill briefing on essential fish habitat and its role in fishery science and policy on March 18. The briefing featured presentations by the presidents of the host organizations as well as federal fisheries management agencies and staff members of congressional committees that handle fisheries issues.

Prior to the Governing Board meeting the officers and many Governing Board members met with members of Congress and their staffs to encourage them to use AFS as an information source as legislation is considered that affects aquatic resources.

2004 SDAFS Annual Meeting Summary from Carl Kittel, NCWRC - The folks in Oklahoma put on a great spring meeting in Oklahoma City from February 25 to 29. The meeting was held at the Westin Hotel in downtown Oklahoma City and was within easy walking distance of historic Bricktown and a wide variety of restaurants and micro-breweries to satisfy everyone's taste in food. The meeting was well attended by a wide variety of government agencies, universities, NGOs, sports journalists and others. The meetings were well organized and a good variety of important technical information was presented and discussed.

The meeting got underway on Thursday, February 25 with the technical committee meetings that went on all day. Committees that met included the Reservoir Committee, Warmwater Streams/Instream Flow committees meeting together, Aquaculture, Ictalurid, Nongame, Pollution, Small Impoundments, and Trout committees. The committees discussed technical material, and efforts were also made to improve understanding of committee rules and operational procedures. Thursday evening there was a Social in the hotel hosted by the Largemouth Bass Virus Workshop.

Friday was taken up with several workshops and business meetings. Business meetings included the SDAFS EXCOM meeting in the morning and the Annual SDAFS Business Meeting for the full membership in the afternoon. New officers were installed including Larry Connor as President, Pat

Mazik as President-Elect, and our own NC chapter member and past president Bob Curry as Vice-President. Vic DiCenzo stayed on for his second year as Secretary/Treasurer and Steve Filipek moved up to the post of Past-President. The highlight of the business meeting was awards presentation. The NC chapter won the best chapter award which was accepted by president Mallory Martin and past president Tom Kwak (more on this elsewhere in the newsletter). Workshops included an all day Largemouth Bass Virus Workshop, a workshop on Basic Assessment and Restoration of Degraded Streams, Working with Commissions, and Electrofishing Injury / Standardized Procedures to Minimize Effects. The Largemouth Bass Virus group proposed to keep progress on this and other fish health issues moving forward by forming a Fish Health Committee.

The poster session was also set up on Friday and stayed up until Sunday. Sixteen excellent posters describing research projects were on display. The quality of posters and research was excellent and the presenters were available on Saturday to answer questions about the posters and research involved.

Saturday started with a morning plenary session focused largely on safety. A very personal and thought provoking presentation was made by Larry Olmsted. If this presentation did not get you focused on personnel safety, nothing will. Several technical sessions were ongoing simultaneously for the rest of the day. Session titles included a Warmwater Streams Symposium, an Ecology and Management of Catfishes Symposium, Angler-Related Issues, Morone Ecology and Management, Water Quality: Effects on Fishes and Fisheries, and Fisheries Management. Saturday also featured a mentor lunch for folks who signed up for it and an evening social at a local microbrewery.

The meeting finished up on Sunday with technical sessions until noon. Technical sessions included a continuation of the Warmwater Streams Symposium, and a continuation of the Ecology and Management of Catfishes Symposium, as well as Fish Culture, Population/Fishery Assessment, Habitat and Nongame Aquatics sessions.

I found the entire four days to be well organized, informative and enjoyable. I am sure everyone in attendance felt much the same. The Spring Meeting Steering Committee, the Oklahoma Department of Wildlife Conservation and the Oklahoma AFS chapter should be commended on arranging a great balance of informative technical sessions and workshops as well as some excellent social opportunities.

SEAFWA 2004 News from Steve Leach, SCDNR – The South Carolina Department of Natural Resources invites you to the 58th Annual Southeastern Association of Fish and Wildlife Agencies Conference, Hilton Head, SC, October 30 – November 3, 2004. The fisheries session will include posters and oral presentations of peer-reviewed manuscripts on marine, estuarine, and freshwater fisheries topics, including but not limited to management, research, and culture. Case histories are particularly encouraged.

Written manuscripts for peer review are required for presentation in open technical sessions. Abstracts are required for consideration for poster presentation. Manuscripts must follow Guidelines for Southeastern Proceedings (SEAFWA Instructions to Authors), available online at www.dnr.state.sc.us/seafwa or www.sdafs.org/seafwa/authors.htm, or by contacting the Fisheries Associate Editor (Dr. John Galvez) or Fisheries Program co-Chairs (Scott Lamprecht or Steve Leach). For poster abstracts, follow the instructions for abstract preparation as defined in the SEAFWA Instructions to Authors. **The deadline for manuscript submission for oral presentation, and abstract submission for poster presentation is April 30, 2004.**

The Southern Division of the American Fisheries Society, Student Affairs Committee has graciously provided support for student travel that will cover lodging expenses for a limited number of students attending the 2004 SEAFWA meeting. Application information will be available via the website listed below. Criteria for selection will be the same as that of the SDAFS 2004 Spring Meeting, which may be viewed at:

<http://members.cox.net/gregsumm/Student%20Rooms.htm> If you are interested in obtaining free lodging, send your name, address, contact phone number, e-mail address, school, gender, status (graduate or undergraduate), AFS member number (located on your FISHERIES mailing label), and a statement about why you wish to attend the meeting and the night(s) you will need lodging to:

Stuart Welsh (swelsh@wvu.edu), West Virginia Cooperative Fish and Wildlife Research Unit, PO Box 6125, 313 Percival Hall, Morgantown, WV 26506, Ph#: 304-293-2941 ext.2419

The application deadline is September 15, 2004.

Invasive Species News forwarded by Greg Cope, NCSU - The Union of Concerned Scientists, on behalf of the National Environmental Coalition on Invasive Species (NECIS), is pleased to announce the release of

the Call To Action on Invasive Species. This statement was signed by nearly 800 U.S.-based experts on invasive species -- representing every U.S. state, the District of Columbia, and Puerto Rico, and by 120 citizen's groups -- representing a broad range of local, state, regional, and national groups.

The Call To Action on Invasive Species highlighted for policymakers that progress to stem the spread of invasive species has been woefully inadequate in the ten years since release of the report, "Harmful Non-Indigenous Species in the United States" by the Office of Technology Assessment (OTA) of the U.S. Congress. The Call To Action laid-out a series of steps that policymakers could take to address the problem at hand.

To support the Call To Action, NECIS created five fact sheets. Several serve as indicators of continuing problems, e.g., a list of 10 particularly worrisome invaders that have reached the United States recently; 10 of the worst global invaders not yet in the United States; and 10 damaging invasive species that the United States inadvertently exported. The complete series of fact sheets can be downloaded at http://www.ucsusa.org/global_environment/invasive_species/page.cfm?pageID=1275

NC State Museum News from Wayne Starnes, NCSM – The NCSM is being awarded a \$170,000 grant by NSF for data basing of the fish and aquatic invertebrates collection over the next three years. Additionally, we continue studies, funded by Progress Energy last year, of the undescribed Carolina Redhorse in the Little River (Pee Dee tributary, Richmond-Montgomery counties). We hope to explore this population further as well as survey for others in portions of the Pee Dee and Cape Fear basins that have not been adequately surveyed. We also intend to expand ongoing genetic studies in attempts to acquire data that may be important to conservation of the species.

Tree Seedling News from Mike Arnette, International Paper – The South Carolina SuperTree Nursery of International Paper located in Blenheim, South Carolina has some hardwood seedlings available for this planting season. We are sold out on 30 different species except for these four, river birch, swamp black gum, water tupelo and buttonbush. They are being offered at a reduced rate. The water tupelo, swamp black gum and buttonbush meet or exceed NRCS specifications. For more information please call us at 800-222-1290.

Fluvial Geomorphology News from Karen Terry, MN DNR – Two river-related workshops, "Fluvial

Geomorphology and Stream Classification" and "Stream Assessment and Monitoring", will be offered this year by the Minnesota Department of Natural Resources and the Minnesota Chapter of the American Fisheries Society. Details are at <http://www.fw.umn.edu/mnafstreamcourses2004.pdf>. Please note that the first course (or another that teaches Rosgen's system of stream classification) is a prerequisite for the second course. We expect to be able to offer Continuing Education (CEU) credit for these workshops but details are not yet finalized. Class size is limited to 40 students.

Spotlight on Students and Young Professionals

Summer Burdick, MS Student, NCSU - Summer grew up in Hood River Oregon, located on the Columbia River at the base of Mount Hood. She completed her undergraduate work at The Evergreen State College in Olympia Washington, where the emphases of her studies were environmental science and ecology. After graduation, Summer traveled to New Zealand for three months where she trekked several well known trails and worked on an organic farm.

Upon her return to the United States, she took a volunteer position through the Washington Conservation Corps with the Washington Department of Fish and Wildlife's aquatic nuisance species program as an education and outreach coordinator. She then monitored a salmon weir for the Squaxin Island Tribe. After that, she worked for the Washington State Departments of Natural Resources and Fish and Wildlife examining impediments to salmonid migration such as road crossings and small farm dams. Her experience as a fisheries technician for the state agencies helped her land a job as a biologist on a project studying detectability of bull trout using three sampling methods.



Summer holding an American shad, captured during a 2003 electrofishing survey on the Neuse River near Goldsboro.

At the completion of the bull trout study, Summer spent several months living on a sailboat in the Puget Sound, studying for the GRE and applying for graduate schools. In January of 2003, Summer began graduate school at NCSU. She is working with advisor Joe Hightower on the distribution of spawning activity by migratory fishes in the upper Neuse River drainage and is the current Student Subunit President.

Summer admits she is a novice fisherwoman, but still maintains a love for rivers. She is an avid whitewater enthusiast and enjoys multi-day rafting expeditions as well as single day kayaking adventures. Her aspirations after graduate school are to work as a fisheries professional, promoting conservation of fishes, through sound scientific practice.

Submitted by Joe Hightower, NCSU

Brian McRae, District Fisheries Biologist, NCWRC - Brian McRae is a native of Colorado. He received his B.S. Degree in Environmental, Population, and Organismic Biology from the University of Colorado in 1999. As an undergraduate, Brian worked with Colorado Division of Water Resources assessing water quality in urban streams.



Brian McRae, District 5 Fisheries Biologist for the NCWRC

In 2002, Brian received his M.S. Degree in Resource Ecology and Management with a concentration in fisheries science from the University of Michigan. His thesis was titled "Factors Influencing Density of Age 0 Brown and Brook Trout in the Au Sable River, Michigan". During his graduate years at the University of Michigan, Brian was a member of the Michigan Chapter of the AFS and he assisted the Michigan Department of Natural Resources in assessing adult brown trout population characteristics. He also received the Fishery Alumni Memorial award for work in fisheries science.

In April 2002, Brian became the District 1 Assistant Fisheries Biologist with the North Carolina Wildlife Resources Commission. In August 2002, with the threat of hurricanes looming, he left coastal North Carolina for higher ground in the piedmont, specifically District 5. In October 2003, in spite of several ice storms and a major power outage the previous winter, Brian decided to stay in the piedmont and accepted a promotion to become the District 5 Fisheries Biologist. Brian is a member of the AFS Parent Society and North Carolina Chapter. At this year's chapter meeting, he was elected as the Chapter's Secretary-Treasurer. Brian enjoys many hobbies including golf, basketball, fishing, and backpacking.

Submitted by Shari Bryant, NCWRC

Meetings of Interest

Fourth World Fisheries Congress – May 2-6, 2004, Vancouver, British Columbia. Reconciling fisheries with conservation: The challenge of managing aquatic ecosystems. <http://www.worldfisheries2004.org>.

2004 Meeting of the American Society of Ichthyologists and Herpetologists – May 26-31, 2004, Norman, Oklahoma. The call for papers will not be mailed unless requested. Meeting information available only at <http://www.dce.ksu.edu/2004jointmeeting>

2004 Meeting of the North American Native Fishes Association (NANFA) - June 18-20, 2004, Riverbanks Zoo, Columbia, SC. NANFA is an unusual mix of academic and agency biologists, amateur naturalists, teachers, and aquarium hobbyists interested in the natural history, ecology, and conservation of native fishes, plants, and invertebrates, and their maintenance and propagation in home aquaria and ponds. For more information, check out the NANFA website at www.nanfa.org or contact Fritz Rohde at fritz.rohde@ncmail.net.

Southeastern Regional Conference on Stream Restoration - June 21-24, 2004, Winston-Salem, NC. This conference will showcase stream and wetland restoration efforts from Maryland to Florida. Professionals from the southeastern US and beyond will have an opportunity to present and discuss topics related to the field of restoration. http://www.bae.ncsu.edu/programs/extension/wqg/sri/2004_conference/index.html.

River Restoration and Urban Streams Symposium - June 27 - July 1, 2004, Salt Lake City, Utah. The

Symposium will be part of the World Water and Environmental Resources Congress. <http://www.asce.org/conferences/ewri2004/>

134th Annual Meeting of the AFS – Aug 21–26, 2004, Madison, WI. Stay tuned to the AFS webpage for more details. <http://www.fisheries.org/>.

Second National Conference on Coastal and Estuarine Habitat Restoration – Sept. 12-15, 2004, Washington State Convention & Trade Center, Seattle, WA. The goals of the conference will be to: expand our collective ability to restore habitat through small to large scale projects; build the restoration industry products and services crucial to success in restoration; and catalyze new levels of exchange and collaboration between businesses, government, non-profit organizations, scientists, educators and volunteers. <http://www.estuaries.org/>.

Wild Trout Symposium VIII – Sept. 20-22, 2004, Yellowstone National Park, Old Faithful Inn, WY. Diverse interests associated with trout fisheries will share their viewpoints on wild trout management and related public policy, exchange technical information, and seek ways of cooperatively advancing the conservation of wild trout resources. <http://www.wildtrout8.com>.

58th Annual Southeastern Association of Fish and Wildlife Agencies Conference – Oct. 30-Nov. 3, 2004, Hilton Head, SC. www.dnr.state.sc.us/seafwa.

8th International Conference on Artificial Reefs and Artificial Habitats – April 10-14, 2005, Biloxi, MS. <http://www.lsu.edu/faculty/jhcowan/CARAH.htm>

If you are aware of meeting information that would be beneficial to the membership of the NCAFS, please send it to the newsletter editor for inclusion in the next newsletter. djcoughl@duke-energy.com

Employment Opportunities

Devine Tarbell & Associates, Inc., Aquatic Scientist – Entry Level - Devine Tarbell and Associates Inc. is seeking to fill a full-time entry level Aquatic Scientist position based out of either its Charlotte, N.C. or Portland, Maine offices. The primary focus of the position will be to assist clients with licensing and license compliance for hydropower projects. Current studies include Instream Flow Incremental Methodology (IFIM), anadromous fish restoration, fishway design and efficiency testing, fish

telemetry/tracking, and general river, stream, and reservoir ecological investigations. Other types of projects may include utility transmission, transportation, water supply, and alternative energy development.

Responsibilities include assisting project teams with aquatic/fishery resource studies:

- Planning, coordinating, and conducting biological field investigations,
- Resource data compilation, statistical analysis, data interpretation,
- Preparation of environmental impact assessments and preparation of license/permit applications.
- Must be willing to travel periodically.

Preferred candidates will have a Masters Degree in aquatic biology, fisheries science, or other closely related field (BS with experience may also qualify). Strong technical writing and oral communication skills are essential. Basic computer skills (Microsoft Office Products) are required and experience with computer modeling, GIS, or statistical software is a plus. Salary is commensurate with experience and qualifications. **Contact** - Devine Tarbell and Associates Inc., Attn: Mary McCann, 970 Baxter Blvd., Portland, Maine 04103. 207-775-1031 (fax) email – mary.mccann@devinetarbell.com

Devine Tarbell & Associates, Inc., Aquatic Scientist

— Devine Tarbell & Associates (DTA) has a position opening for an Aquatic Scientist, based out of either our Charlotte, NC or Portland, ME office. The primary focus of the position will be to assist clients with licensing and license compliance for hydropower projects. Current studies include Instream Flow Incremental Methodology (IFIM), anadromous fish restoration, fishway design and efficiency testing, fish telemetry/tracking, and general river, stream, and reservoir ecological investigations. Other types of projects may include utility transmission, transportation, water supply, and alternative energy development.

Responsibilities include assuming a major role in the coordination and management of specific aquatic/fishery projects:

- Planning, coordinating, and conducting biological field investigations,
- Resource data compilation, statistical analysis, data interpretation,

- Preparation of environmental impact assessments, and preparation of license/permit applications.
- Client briefings, resource agency consultation, and participation in public meetings.
- Must be willing to travel periodically.

Preferred candidates will have a Masters Degree in aquatic biology, fisheries science, or other closely related field (BS with extensive experience will also qualify) plus 2 to 5 years professional experience. Candidate must have demonstrated ability to work with project teams, private clients, governmental agencies, and non-governmental stakeholder groups. Strong technical writing and oral communication skills are essential. Basic computer skills (Microsoft Office Products) are required and experience with computer modeling, GIS, or statistical software is a plus. Familiarity with federal regulatory programs such as FERC hydro relicensing, NEPA, ESA, CWA, and state/local environmental regulations is desirable, but not required. Utility industry experience (e.g., hydropower) or prior environmental consulting experience is also beneficial, especially in the Southeastern U.S and associated natural systems. Salary is commensurate with experience and qualifications. **Contact** - Devine Tarbell and Associates Inc., Attn: Mary McCann, 970 Baxter Blvd., Portland, Maine 04103. 207-775-1031 (fax) email – mary.mccann@devinetarbell.com

Fishery related jobs can be found on the AFS web site at: <http://www.fisheries.org/jobs.html>. This site also offers links to job postings on non-AFS web sites.

If you have a fishery-related job opening and would like to post it in the next NCAFS Newsletter, please send your announcement to the newsletter editor. djcoughl@duke-energy.com

Valuable Links – Courtesy of AFS

The American Fisheries Society Home Page offers a wealth of links to assist you in your fishery endeavors. Information on ordering AFS books, public outreach, annual meetings, chapter links and joining the AFS can be found at <http://www.fisheries.org/>.

Additional links can be found courtesy of Dr. Mike Allen and the Southern Division, AFS. <http://www.sdafs.org/links/msallen1.htm>