



NEWSLETTER

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We would appreciate your comments on this electronic version of the NC Chapter Newsletter. Please send all responses to Jerry Finke (jerry.finke@ncwildlife.org).

President's Message – Lawrence Dorsey

It is hard to believe that the first quarter of 2006 is almost over. It seems like just last week that we were meeting at Brown Summit. I want to thank everyone who attended the meeting and more importantly thank those that helped with the planning and execution of the meeting. I'd particularly like to thank my EXCOM colleagues who were an immense help in getting all of the details in place. Brian McRae did an outstanding job with the financial and clerical end of the meeting planning. Duane Harrell and Mallory Martin were always there to answer my questions and keep me straight. I'd also like to thank those that moderated, judged papers, conducted the raffle (NCSU Student Subunit), and anyone that offered a hand in moving items and helping clean up. As a chapter, I think we do a fine job at holding an annual meeting!

After our annual meeting, I attended the Southern Division AFS Spring Meeting in San Antonio where I represented the NCAFS at the division's EXCOM meeting. I can't tell you how proud I was to be in the North Carolina seat and to represent our chapter. There are other chapters in the Southern Division that are doing good work but I was impressed with how well we stacked up to those other chapters.

We start the new year with a tremendous amount of momentum on many fronts. The Education and Outreach Committee is busy finalizing their informational brochure entitled "Techniques to Maintain Healthy Aquatic Ecosystems Associated with Waterfront Development in North Carolina". Greg Cope and Bob Barwick have spearheaded this project and the finished product should be out sometime later this spring. While the product itself will be of great value, it's most impressive that Greg and Bob were able to secure a grant from the North Carolina Cooperative Extension Service that resulted in 100% funding of this effort without expending NCAFS funds.



NCAFS EXCOM - Duane Harrell, Kent Nelson, Lawrence Dorsey, Brian McRae

The NCAFS is also in the process of sponsoring and funding a Hutton Scholar. Kim Sparks and Tom Kwak have worked diligently to recruit a scholar and to identify work opportunities for the scholar in the Raleigh area this summer. At last check, the AFS office in Bethesda was still processing applications but it appears that there is a good chance we will have the opportunity to mentor someone from the Raleigh area. I would also like to thank those agencies, universities, and companies that have agreed to help in the mentoring and work experience for the scholar this summer. There will be more to come on this front as the year progresses.

We have also undertaken a new program to assist student travel to the AFS Annual Meeting each year. The requirements and an application for the award are now on the NCAFS website. This program will be funded by the Ichthus Fund, which was started several years ago through the donation of an anonymous contributor. John Crutchfield and Greg Cope of the Awards Committee have worked hard to make this an outstanding opportunity for student travel assistance. I would hope that all student members of the NCAFS take advantage of this program.

There are a couple of other new items to mention for the upcoming year. We will soon begin to plan for the 2007 NCAFS Annual Meeting and we have had some initial discussion about meeting jointly with the Virginia Chapter of the AFS. We will let you know more as the details are worked out. Secondly, I will be contacting other universities in NC with aquatic biology curricula to let them know about NCAFS and the work our chapter is doing. We have a great relationship with our students at NCSU but it can only make us better to include other universities with an interest in fisheries and aquatic sciences. Last but certainly not least, the EXCOM welcomes aboard Kent Nelson of the North Carolina Wildlife Resources Commission as President-elect for 2006. Kent served as General Chair for the 2003 SDAFS Meeting in Wilmington, NC and will bring a wealth of professional experience and leadership to the chapter.

I am honored to serve as NCAFS President for 2006. I look forward to working with all chapter members particularly those I haven't worked with before. Several members approached me at the annual meeting and offered their assistance during the upcoming year. This is the attitude that makes our chapter strong and I will be calling on these members and others for assistance in the coming days. As always, I welcome any input or suggestions from all chapter members.

Lawrence

Secretary-Treasurer's Report

[Minutes of the February 2006 Annual Business Meeting.](#)

Submitted by Brian McRae, Secretary-Treasurer

Annual Meeting Photo Highlights

The 2006 Annual Meeting of the NCAFS was held January 31 – February 1 at the Brown Summit Meeting Facility in Greensboro and 73 members attended.



A lot of food and beverages were consumed at the social.



Steve McMullin, Virginia Tech and SDAFS Vice-President, spoke to the Chapter on behalf of the Southern Division.



Jim Rice (left) received the Chapter's Distinguished Service Award from President Duane Harrell.



Greg Cope (left) receives the Don Baker Award for the best professional presentation at the 2006 Meeting from President Duane Harrell.



The 2006 Rich Noble Award for the best student presentation was won by Lori Davias, NCSU. Rich Noble (left) presents the Award to Jim Rice who accepted in Lori's absence.



Incoming President Lawrence Dorsey (left) offers congratulations and presents the Past President's Plaque to Duane Harrell near the close of the business meeting.

NCSU Student Subunit Report

The NCSU student sub-unit is excited to report that the beginning of 2006 is as active as the end of 2005. The transition of officers went smoothly and the first item up on the agenda was the North Carolina AFS meeting in Brown Summit, NC. Out of three student speakers at the meeting our sub-unit was represented by one undergraduate and one graduate speaker. Aaron Bunch and Lori Davias both did a great job with their presentations and Lori was honored with the Richard L. Noble Best Student Paper Award. Faculty member Dr. Jim Rice was honored with the Distinguished Service Award. The SFS annual raffle was also held at the NC AFS meeting and we are excited to report that we raised \$630 for our sub-unit. YEAH!!!



Jenny Vander Pluym and Jessica Brewster display t-shirts and raffle items for the SFS.

We would like to thank Great Outdoor Provision Company, West Marine, Orvis, Target, Applebee's, Red Robin, The Carolina Hurricanes, and Barnes and Noble for their generous donations to our raffle. We would also like to thank Duane Raver Jr., Dr. Greg Cope, Nolan Banish, Dr. Jim Rice, and Jim Dean for their personal donations. We were barely able to catch our breath after the NC AFS meeting when we were off to the AFS Southern Division meeting. Our sub-unit had four students that traveled to San Antonio of which two, Lori Davias and Jessica Thompson, were presenters. We have definitely had a busy season of meetings, but we are proud to have had excellent presenters representing our sub-unit!!

Yates Mill Pond in Raleigh has decided to open its waters to public fishing. On February 24th, our sub-unit conducted a fish population survey of the pond. We had a mixture of undergraduates and graduate students collecting and working up fish. Of course, a first-timer at boat-electroshocking, Clay

Compton, brought back the largest largemouth bass.



First-timer on the electroshocking boat, Clay Compton, with one of several largemouth bass that he collected at Yates Mill Pond.

Along with largemouth bass we collected warmouth, creek chubsuckers, pumpkinseed sunfish and several good size redear and bluegill sunfish. Our report will help park managers inform fishermen of the types and size distributions of sportfish present in the pond.



Jessica Brewster, Ryan Spidel, Aaron Bunch, and Julie Harris working up fish at Yates Mill Pond.

We continue our busy schedule with a shad/striped bass fishing trip to Battle Park in Rocky Mount on March 25th. Last year's group experienced a combination of stripers and American shad and we are hoping for the same success this year. Hopefully, we will catch enough fish to add a fish fry to our list of events!! On April 1st, we will be paddling down the Neuse River near Clayton, NC picking up trash along the way as we participate in the Neuse River clean-up. We are hoping that Mother Nature isn't a prankster that day and gives us beautiful weather as we pick up tires and trash.

We would like to thank Dr. Larry Nielson, Provost and Executive Vice Chancellor for Academic Affairs at NCSU, for coming and speaking with us at our January meeting. Neil Medlin, environmental supervisor for the NC DOT, will be our featured speaker for the April 4th meeting. As always we invite state chapter members to join us at our meetings or contact us with any events where our participation would be useful. Please feel free to contact Jessica Brewster, jrbrewst@ncsu.edu, or Christin Brown, chbrown@ncsu.edu, with any ideas or questions you have about our sub-unit or if you would like to become a member of our mailing list.

Submitted by Jessica Brewster, Student Subunit Co-President

Awards Committee

REMINDER—STUDENT TRAVEL AWARDS AVAILABLE FOR 2006 AFS ANNUAL MEETING! Calling all students (both undergraduate and graduate) ...To facilitate your participation in the Annual Meeting of the American Fisheries Society to be held September 10-14, 2006 in Lake Placid, New York, travel awards are being offered by the NC Chapter. Support is provided via an award of \$200 to \$ 400 (actual amount depends on the number of qualified applicants) to help defer the costs of travel, registration, and accommodations. Up to 12 travel awards will be made for the 2006 Annual Meeting. A complete application package must be submitted to Dr. W. Gregory Cope, NC AFS Awards Committee, Department of Environmental & Molecular Toxicology, NC State University, Box 7633, Raleigh, NC 27695 on or before **June 15, 2006**. See the Awards Committee web site at <http://www.sdafs.org/ncafs/Awards.htm> for more details. Contact Dr. Greg Cope at greg_cope@ncsu.edu or at 919-515-5296, for more information.

Submitted by Greg Cope, Awards Committee

Environmental Concerns Committee

The Resolution on Emergency Watershed Protection Program in North Carolina (see December 2005 newsletter) was presented during the NCAFS business meeting on January 1, 2006. After some discussion regarding its content and verbiage, the decision was made to proceed with a membership vote on the document and, if approved, have the Environmental Concerns Committee (ECC) coordinate the minor changes with the Executive Committee. The resolution passed unanimously. It has since been modified and submitted to the EXCOM.

Pending final approval it will be distributed to the U.S. Department of Agriculture and, as suggested by the membership, Trout Unlimited, The Wildlife Society, and other potentially interested parties. The ECC appreciates the efforts of the EXCOM and the opportunity to address this important issue on behalf of the membership.

The membership of the ECC has changed. Danielle Pender announced before the annual meeting that she would be stepping down from the committee. The ECC will certainly miss Danielle given her enormous contributions, achievements, and

direction over the years and we hope to see her return at some point.

Those that may be interested in serving on the committee are encouraged to contact President Dorsey or myself. And, as always, the committee welcomes any advice from the membership on issues or efforts to undertake on behalf of fishery resource conservation in our state.

Submitted by David McHenry, Environmental Concerns Committee Chair

News from around North Carolina

2006 SEAFWA Conference News from Dan Michaelson, VDGIF – First Call for Papers.

Manuscripts, abstracts, and posters are requested for the 60th Annual SEAFWA Conference. Four hundred years ago, European settlers arrived in Virginia. The Old World met the New World and the landscape was permanently altered. Today, people and wildlife struggle to live in harmony. Conflicting demands on resources, natural and otherwise, are on the rise. Fish and wildlife agencies across the country work diligently to achieve equilibrium, but outside influences threaten that balance each and every day. How will we manage interactions between wildlife and society in the Next New World and beyond? Visit the following website for submission information. <http://www.seafwa2006.org/guidelines/>.

AFS Award Nomination News from Gus Rassam,

AFS – The AFS is seeking nominees for the President's Fishery Conservation Award. The Award is presented in two categories: (1) an AFS individual or unit, or (2) a non-AFS individual or entity, for a singular accomplishment or long-term contribution that advances aquatic resource conservation at a regional or local level. The award is administered by the Past Presidents' Advisory Council. A nomination package should include a strong and detailed letter describing the nominee's contribution and the evidence for accomplishment at a regional or local level. If the nomination is for an individual, include a CV if possible. Nominations may be supported by multiple individuals by signing one nomination letter, or by submitting supporting letters in addition to the main nomination letter. Include the nominee's title and full contact information (address, email, phone).

Nomination deadline: **May 5, 2006. Contact:** Barbara A. Knuth bak3@cornell.edu.

Stream Restoration Construction Training Workshop News from Dan Clinton, NCSU, Cooperative Extension – Blue Ridge Community College – Transylvania Center, Brevard, NC, May 16-18, 2006.

This workshop is designed to cover background, construction techniques, and bidding methods on stream restoration projects. The workshop will introduce attendees to the unique construction techniques used in stream restoration. A demonstration project will be created that demonstrates the installation of stream restoration structures. Attendees will be able to witness structures being installed and ask questions related to equipment, materials, and installation methods. The workshop will also include a tour of several completed restoration projects. A representative from the North Carolina Ecosystem Enhancement Program (NCEEP) will be presenting on methods of bidding through the North Carolina State Construction Office, cost estimating, and acceptance and warranty of work. NCEEP representatives will also be presenting on sediment and erosion techniques and permitting. The workshop is designed for contractors and construction inspectors who are presently involved with or desire to conduct stream restoration construction. For more information please contact Dan Clinton at:

dan_clinton@ncsu.edu (919-515-6771). Additional Workshop information can be found at: <http://www.bae.ncsu.edu/workshops/constructiontraining/index.html>

Excellence in Fisheries Education Award Announcement from Mike Quist, AFS Education Section

The award is presented to an individual to recognize excellence in organized teaching and advising in some aspect of fisheries education. Nominees may be involved in extension or continuing education, as well as traditional college and university instruction. Nominees must be AFS members, have been actively engaged in fisheries education within the last five years, and have had at least 10 years of professional employment experience in fisheries education. Two or more people may act as nominators, but at least one nominator must be an AFS member. Letters and supporting material documenting the contributions of the nominee to fisheries education (e.g., awards,

descriptions of exemplary service, innovations, students taught and advised, post graduate achievements of former students) should be sent to **Michael Quist (mcquist@iastate.edu)** and a second copy to Donna Parrish (Donna.Parrish@uvm.edu) in digital form. Please send a hard copy of nomination materials to Michael Quist. Nomination deadline is May 31, 2006. Additional information can be obtained from: Michael Quist, Dept. of Natural Resource Ecology & Management, Iowa State University, 339 Science II, Ames, IA 50011, Phone: (515) 294-9682, mcquist@iastate.edu.

Stream Restoration Course News forwarded by Barbara Doll, NCSU – The Ecological and Geomorphic Principles of Stream Restoration, June 12-16, 2006. This five-day introductory course at Cromwell Valley Park in Baltimore County presents the ecological and geomorphological foundations of stream restoration, emphasizing their application in restoration practice. The course focuses on understanding and measurement of ecological and geomorphic processes and their application within an integrated approach to stream restoration. The course is designed for anyone that deals with rivers and streams and who can benefit from a more in-depth understanding of how they work - engineers, geologists, biologists, planners, land managers, landscape architects, and government officials. The number of participants is limited to 25 to provide ample opportunities for one-on-one instruction. The 2005 course closed out and included graduate students and professionals from the Mid- Atlantic and West Coast. The course may be taken for graduate credit (\$2,286) or as a non-credit workshop (\$1500). All course materials and most meals are provided. Hotels are nearby for out-of-town participants. For information on registration: <http://www.summer.umd.edu/s/admissions/courses/gs/non-credit/SUMM011>.

Book News forwarded by the AFS - Effects of Urbanization on Stream Ecosystems. Larry Brown, Robert Gray, Robert Hughes, and Michael Meador, editors. As human populations continue to grow, the effects of urbanization on streams and other habitats will become increasingly important to aquatic resource managers and land use planners. Urbanization of watersheds is almost invariably accompanied by loss and alteration of aquatic habitats, two of the most frequently mentioned

causes for losses of aquatic biota. This book includes a variety of case studies addressing the effects of urbanization on stream ecosystems at locations ranging from Brazil to Southern California to New York. These papers address regional variations in study design and responses of habitat, benthic algae, benthic macroinvertebrates, and fish to urban development. Symposium 47, 423 pages, List price: \$69, AFS member price: \$48, Order online: <http://www.fisheries.org/html/publications/catbooks/x54047P.shtml>.

Stream Restoration Conference News from Cathy Smith, NCSU - Announcing the 2006 SRI Stream Restoration Conference in Charlotte, North Carolina! You are invited to submit abstracts for oral or poster presentations. Presentations should focus on one of the following session topics: Monitoring Restoration Projects, Assessment, Design Considerations, Watershed Scale Projects, Urban Project Issues, Regulations, Rural Project Issues, Restoration Related Research, Riparian Buffers, Funding Programs, Project Development, and Case Studies of Restoration Projects. Please go to our website for details and to submit an abstract online: <http://www.ncsu.edu/sri/2006conference/abstracts.html>
Abstracts must be received via the website on or before **April 30, 2006**. Questions regarding abstracts should be directed to Barbara Doll, Conference Co-chair, at barbara_doll@ncsu.edu.

4th International Reservoir Symposium News forwarded by Mike Colvin - The Southern Division American Fisheries Society Reservoir Committee is proud to announce this symposium has been scheduled for June 6-9, 2007, in Atlanta, Georgia. The theme of this symposium is “*Balancing Fisheries Management and Water Uses for Impounded River Systems*” and will consist of invited and contributed papers from individuals all across the country. Speakers will present on a broad range of issues, from case studies to new technologies to changes in management philosophy. Proposed topics include: Balancing Fisheries Issues with Basin-wide Water Uses, Aquatic Habitat, Human Dimensions, Catch and Release and Use of Regulations, Stocking Issues, and Assessment and Analysis. If you have other topics or specific projects that you would like to present, please contact Mike Colvin at

Mike.Colvin@mdc.mo.gov. More details will be available soon. Stay tuned...

Stream Restoration News forwarded by Thomas Blue, BLUE: Land, Water, Infrastructure - The Water Quality Information Center at the National Agricultural Library has developed a dynamic bibliography on stream restoration. It is accessible at

<http://www.nal.usda.gov/wqic/Bibliographies/dynamic.html#stream>.

The main bibliography is also segmented by three subtopics: effects on erosion and sedimentation, effects on nitrogen, and effects on fish and wildlife. General information about dynamic bibliographies is available at

<http://www.nal.usda.gov/wqic/Bibliographies/dynamic.html#about>.

Raleigh Aquarium Society News Gerald Pottern -

The Raleigh Aquarium Society is a hobby-oriented group interested in captive care, natural history, propagation, conservation, fish-watching, and all aspects of fishes, invertebrates and aquatic plants. RAS Meetings begin at 7:30pm on the first Thursday each month at the NCSU Vet School, corner of Hillsborough Street and Blue Ridge Road in western Raleigh. Due to Vet School Security issues, the downstairs door is usually locked. So if you arrive late, either knock or call one of these cell phones: Brandon Berry at 252-266-3559, Jeff Jenkins at 919-612-0229, or John Patterson at 919-264-4011. For more info see the RAS website:

<http://www.raleighaquariumsociety.com/>.

Spotlight on Students and Young Professionals

Jake Rash, District Fisheries Biologist, NCWRC -

Jake Rash was born and raised in Statesville, North Carolina. Following graduation from North Iredell High School in 1996, he began his collegiate studies at North Carolina State University. After receiving his B.S. in zoology from N.C. State, he entered the graduate program in the department of Fisheries and Wildlife Sciences at Virginia Tech. During his stay at Virginia Tech, he served under the supervision of Dr. John Ney, studying the ecology of juvenile striped bass and juvenile hybrid striped bass in Claytor Lake, Virginia. Following the completion of his graduate work, Jake undertook employment with the Freshwater Mollusk Conservation Center at Virginia Tech.



Jake Rash (left), WRC District Fisheries Biologist in Marion, under the watchful eye of the Governor.

In September 2005, Jake started work within the North Carolina Wildlife Resources Commission as the Fisheries Biologist I in Waynesville. In December 2005, he began his career as the District-8 Fisheries Biologist, which was convenient since he had yet to unpack from his initial move. As the WRC biologist in Marion, Jake replaces Win Taylor, who now works for Equinox Environmental in Asheville. Jake will be accompanied in Marion by his wife, Lauren. They are looking forward to their return to North Carolina, where they will be in closer proximity to their families and N.C. State athletic events. In addition, they are anxiously awaiting the opportunity to unpack all of their boxes.

Submitted by Mallory Martin, NCWRC

Lori Davias, MS Student, NCSU - Lori is a native of Trumbull, CT. She received her bachelor's degree in Natural Resources from Cornell University in Ithaca, NY, in 2002. As an undergraduate, she spent quite a bit of time on the water rowing for Cornell Crew, but it was a series of internships and jobs that took her from the Hudson River to Venezuelan piedmont streams that solidified an interest in what goes on *under* the surface. After graduation she headed to the NOAA/NMFS Sandy Hook Marine Lab in New Jersey to assist an investigation into the 1997 die-off of the American lobster in Long Island Sound. In 2003 she migrated south to begin work with Jim Rice toward her MS in Zoology at North Carolina State University. There she served as Vice

President of the Student Fisheries Society for two years, during which the subunit won Best Student Subunit awards from both the AFS Southern Division and the parent society.



Lori Davias contemplating the caloric value of this striper's gut contents.

In 2005 Lori's peers recognized her many contributions by presenting her with a special 'trophy' for Service to the Subunit (you can ask her to explain why the award 'trophy' is the remains of a broken commode...). Lori is currently wrapping up her Master's thesis, a collaborative project with NCWRC biologists which employs bioenergetics modeling to understand the conflicting roles of temperature, oxygen, and food on the growth of striped bass stocked in reservoirs across the state. She is considering several job opportunities, and would like to remain in the southeast for at least a few more years (for some reason she doesn't really miss the cold rain and snow of the northeast) in university or government fisheries research.

Submitted by Jim Rice, NCSU

Meetings of Interest

136th Annual Meeting of the American Fisheries Society and the 30th Annual Larval Fish Conference– Sept. 10-14, 2006, Lake Placid, NY. <http://www.afslakeplacid.org/>.

Stream Restoration in the Southeast: Accomplishments and Opportunities – Oct. 2-5, 2006, Westin Charlotte, Charlotte, NC. Learn about stream restoration planning, design, construction, financing, and monitoring in the Southeast. This biennial conference will include research presentations, restoration case studies, posters, industry exhibits, networking opportunities,

and tours of local stream restoration projects. www.ncsu.edu/sri/2006conference/savethedate.html.

60th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies – Nov. 5-8, 2006, Norfolk, VA. <http://www.seafwa2006.org/>.

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

Biologist Contractor Position, Environmental Services Section, Progress Energy - The incumbent will perform field and laboratory tasks in support of hydro relicensing studies for the Blewett-Tillery Hydroelectric Project; 316(b) impingement and entrainment studies; and miscellaneous support at Progress Energy power plants. The main duty will be to lead the continuous dissolved oxygen monitoring program for the Blewett-Tillery Project which includes instrument maintenance, calibration, and field data capture with a laptop computer. Additional field sampling will include fish and other water quality studies. Laboratory duties may include chlorophyll *a* analysis, maintenance and calibration of water quality instrumentation, taxonomic identification of fish and benthic invertebrates, input and editing of data into computers, entry of data records into the QA/QC filing system, maintenance of field sampling equipment, and support of GPS/GIS mapping studies. Job duties require overnight travel, work under a variety of field sampling conditions on rivers and lakes, and extended work hours during some studies. The incumbent must work effectively with other team members to achieve study objectives. Also, the incumbent must be knowledgeable of standard Company safety and other job practices to perform tasks safely and effectively.

This is a term limited position which will be from April 1 through December 31, 2006. Salary will be negotiable depending upon work experience and educational background. There are no medical or dental benefits. Overtime pay will apply for this position. Employment will be through Commensura, Inc.

Additional Employment Opportunities - 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 –

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>