



NEWSLETTER

SEPTEMBER 2000

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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 \(jhightower@ncsu.edu\)](mailto:jhightower@ncsu.edu)

PRESIDENT'S MESSAGE

Greetings! Fall is upon us. Things continue to progress on several fronts for the Chapter. First, based on discussions and motions made at this year's Chapter business meeting, an Ad Hoc Finance Committee was appointed to evaluate options for investing our funds accumulated from last year's successful AFS national meeting in Charlotte. That Committee, chaired by Kim Baker, Chapter Secretary-Treasurer, made several recommendations for long-term investments of these funds to help with Chapter activities in future years. These funds have been invested into several different areas. A special thanks to Bob Goldstein, Mike Swing, Jim Rice, and Scott Van Horn, for sitting on this committee. As a result of this committee's efforts, a standing Finance Committee, comprised of Kim Baker, Bob Goldstein, and Mike Swing, has been established by

the Chapter EXCOM to help guide financial decisions. To put our actions into tangible benefits, the EXCOM is currently evaluating financial ways to help students and young professionals become involved in the American Fisheries Society and further their professional development. The EXCOM invites your input as we invest in the future of the fisheries profession.

On another front, the Chapter has made a tentative bid to host the 2003 AFS Southern Division midyear meeting in the Wilmington area. That proposal will be formally brought forward at the Division EXCOM meeting at the upcoming Southern Division fall meeting in October. Hopefully, we will receive endorsement and can move forward in making reservations for hotel accommodations. Bob Curry is tentatively proposing the meeting be held in Wilmington, NC around February 5-9, 2003 and has a draft contract with the Hilton Wilmington Riverside. He will be finalizing the contract and will prepare a formal bid proposal to present to the Southern Division EXCOM. Please consider volunteering to help with this meeting. Everyone can contribute in some way to make this a successful meeting.

Work continues on the Chapter Bylaws and procedures. With the formation of the Finance Committee, duties have been added to the Bylaws for the Finance and Education standing committees. The EXCOM will finalize the Chapter Bylaws and procedures, and these will be posted on the Chapter web site in November. We expect to vote on the final version at the January 2001 business meeting and have the Chapter Bylaws forwarded to the AFS national EXCOM for review and approval in the spring of 2001.

Bob Curry is reviewing the Chapter long-range plan. Discussions are underway by EXCOM to determine if the Society's national plan can be utilized or integrated into long-range planning for the Chapter. Look for more details in this area later this year.

Planning continues for our upcoming 2001 meeting. Bob Curry and Keith Ashley, along with Wade Bales of the South Carolina Chapter, are shaping up a good meeting for us. A beach setting for the meeting will hopefully help renew our commitments to the profession and our jobs. I am sure this will be an outstanding success. I hope to see you there.

Before I sign-off, I would like to mention two extremely important items. An important piece of legislation, the Conservation and Reinvestment Act (CARA), is currently awaiting consideration by the Senate for approval. CARA represents a significant commitment and investment that would help protect our natural resources for years to come. If CARA is approved, approximately \$3 billion will be appropriated annually for the next 15 years to help conservation programs on the national, state, and local level. North Carolina stands to gain \$46 million per year from CARA, if approved by the Senate. And that is the key, approved by the Senate. The Chapter has endorsed a letter sent by the N.C. Park and Recreation Society to Senators Edwards and Helms that asks them to support this bill. As environmental professionals, we need to support this important piece of legislation and what it means to conservation programs. Please consider writing or contacting Senators Edwards and Helms on this issue.

Finally, and most importantly, I would like to recognize Dr. Richard Noble for being the recipient of the AFS Meritorious Service Award. Dr. Noble has significantly influenced the fisheries field for the past several decades, particularly in his research on southeastern reservoir

fish community dynamics. He has guided and mentored numerous fisheries scientists through undergraduate and graduate programs and on into their professional careers, including me. Dr. Noble has helped shape and provide important direction to the Fisheries and Wildlife Program at N.C. State University. He has served in numerous capacities at the chapter, division, and national levels in AFS and helped shape policy and direction of the Society. Dr. Noble can always be counted on to provide sage advice at Chapter meetings. Congratulations Dr. Noble on receiving this distinguished award!

John Crutchfield

2000 AFS MERITORIOUS SERVICE AWARD

One more thought on Rich Noble's achievement, this from the pen of Tom Kwak.

Unless you were able to attend the American Fisheries Society (AFS) Meeting two weeks ago in St. Louis, you may not have heard that our own Rich Noble (Professor of Zoology and Forest Resources, Fish and Wildlife Program Director) was presented with the Meritorious Service Award.

The Meritorious Service Award is awarded annually to an individual AFS member for unswerving loyalty, dedication and meritorious service to the Society over a long period of time; and for exceptional commitment to the programs, ideals, objectives and long-term goals of AFS. The Award was presented to Rich at the Society's plenary session by Fred Harris (NC Wildlife Resources Commission Fisheries Chief and AFS First Vice-President) on August 21 with over 1,000 members in attendance.

The list of Rich's contributions and service to the AFS is too long to begin to detail here, but includes:

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- Membership in the society since 1964.
- Advisor, Founder and/or Charter Member of Texas A&M Chapter, Texas Chapter, North Carolina Chapter, Student Sub-Unit of NC Chapter, Education Section, and Introduced Fish Section.
- President of Texas Chapter, Education Section, and Southern Division. Many committee memberships and chairmanships in AFS, Education Section, Southern Division, and chapters.
- Recognized for service and/or professional accomplishments by Education Section, Fisheries Management Section, Southern Division, and

Texas Chapter.

- A continual contributor of papers, journal articles, and book chapters for AFS meetings and publications at all levels.
- A mentor to undergraduate and graduate students, many of whom have subsequently held leadership roles in AFS.

We have been fortunate to share in the many benefits and notoriety of Rich's service and dedication to the AFS, the NC State University Fisheries and Wildlife Program, Zoology and Forest Resources Departments, and the North Carolina Cooperative Fish and Wildlife Research Unit. Please join me in congratulating Rich for this well-deserved international recognition.

Congratulations Rich!

2001 NCAFS PRESIDENT-ELECT CANDIDATES

The Nominating Committee (Scott Van Horn, David Yow , and Tom Thompson) would like to report that Shari Bryant and Kent Nelson (both NCWRC biologists) have agreed to run for NC Chapter AFS President-Elect. Both are extremely well qualified to fill this position. Please take a minute to read the biographies of Shari and Kent.

We intend to provide electronic voting during November with election results announced at the 2001 Chapter business meeting. Thanks to Shari and Kent for volunteering for Chapter leadership. Please consider volunteering for Chapter duties. The NC Chapter can only move forward if we have people willing to help.



Shari Bryant - Shari Bryant is a District Fisheries Biologist for the North Carolina Wildlife Resources Commission. She received her B.S. in Biology and Earth Science from Clarion University of Pennsylvania (1983) and M.S. in Wildlife and Fisheries Biology from Clemson University (1986). Shari has worked for the Wildlife Resources Commission since 1986 and has been involved in research and survey projects with largemouth bass and crappie in Piedmont reservoirs. Shari joined AFS in 1986. She was Secretary-Treasurer of the North Carolina Chapter from 1994 to 1996. She has served on the Southern Division's Small Impoundments Committee (1990-1999) where she served as Secretary-Treasurer (1991-1996) and Chair (1996-1998).



Kent Nelson - Kent Nelson graduated from VPI with a MS in Fisheries Science in 1978. He has worked for the NCWRC's Division of Inland Fisheries since 1978 as a Habitat Conservation Section Biologist, District Biologist and Coastal Research Coordinator. Since 1995 Kent has been the Coastal Region Supervisor. He has served as Chairman of the SDAFS Striped Bass Committee and also served on the Warmwater Streams Committee.

2001 ANNUAL MEETING - SECOND CALL FOR PAPERS

Joint Meeting of the Carolina Chapters of the American Fisheries Society and South Carolina Fishery Workers Association

The 2001 NCAFS Chapter meeting will be January 17-19 at the Sea Trail Resort and Conference Center located in Sunset Beach, North Carolina. The program will include contributed papers from both North and South Carolina on any fishery-related topic. Presentations may include completed projects or works in progress. The meeting registration fee is \$30 and will cover the costs of breaks and socials.

Please note that an additional day has been added to accommodate all the papers and meetings. The meeting begins at 1:00 PM Wednesday, January 17 and concludes at noon on Friday, January 19. Two workshops are also tentatively planned for Wednesday morning from 8:00 AM until noon: A non-parametric statistics review and a reservoir limnology overview. Contact John Crutchfield E-mail: john.crutchfield@cplc.com if you are interested or need additional information. There will be a small registration fee for each workshop.

Submission deadline is December 8, 2000.

Abstracts for presentations should be submitted electronically to Bob Curry at CURRYRL@MAIL.WILDLIFE.STATE.NC.US or on a 3.5" diskette in either Microsoft Word or WordPerfect format. Presenters are requested to provide name, affiliation, phone number, e-mail address and a brief biographical sketch for a 20-30 second introduction. Send submissions to Bob Curry, NC Chapter AFS, 2001 Program Chair, 1721 Mail Service Center, Raleigh, NC 27699-1721; phone (919) 733-3633, ext. 280; Fax (919) 715-7643.

Presenters should plan for a 20-minute program that includes a question/answer period. We urge students to attend and we are particularly interested in student presentations. Awards for "Best Paper" and "Best Student Paper" will be awarded by each chapter. Look for further meeting details, program abstracts and registration information on the NC Chapter web site at <http://www4.ncsu.edu/unity/users/j/jhncsu/public/NCAFSIntro.html>

2001 ANNUAL MEETING - ACCOMODATIONS

Accommodations range from a 2-person mini suite for \$65 per night to a three bedroom villa for \$200 per night that can accommodate 6-10 people. A 10% room tax will be applied in addition to the base room costs. Room reservations can be made by calling the Sea Trail Reservation Department at (800) 624-6601. Be sure to let them know that you are attending the NC/SC Chapters American Fisheries Society meeting. Room reservation cut-off date is December 4, 2000. The conference lodging and meeting facilities are outstanding and we thank Dean Cain and Wade Bales from South Carolina for making all the arrangements.

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NCSU STUDENT SUBUNIT REPORT

The Student Subunit has a full slate of meetings and speakers planned for the fall semester. October 3, Chad Hallyburton (Durham Museum of Life Science), November 7, Jim Borawa (North Carolina Wildlife Resources Commission). December is still open. We meet at 6 pm, 101 Clark Labs, on the first Tuesday of each month.

Student Fisheries Society Summer Camp Scholarship - Last year's highly successful raffle permitted the Student Subunit to offer two scholarships to the Fisheries and Wildlife Inventory and Management Camp. Here is a summary of that experience from Brian Degan.

Brian Degan and Jeremy McCargo, successfully completed the camp this past June. But not without almost giving Rich Noble a heart attack (solicit Rich for story). Both gained new friendships and were exposed to the premier Fisheries and Wildlife Summer Camp in the Southeast that continued their life-long education in fisheries. Students register into NC State's summer school but learn, work, and live in an off-campus forest environment located in G. K. Slocum Camp on the 2400-acre Hill Demonstration Forest, in nearby Durham County. Students attending the camp gained hands-on experience regarding the concepts they learn about in the classroom giving them a "real-life" look at what a career in fisheries and wildlife biology is actually like. Experience gained from camp included structure and function of plant and animal communities, management practices, practical field skills, enhance leadership abilities, and provide practical experience in teamwork.

Brian and Jeremy will be the first to tell you that attending this camp was by far the most beneficial element of NC State's Fisheries and Wildlife curricula. They would like to formally thank the Student Fisheries Society for sponsoring them, and Rich Noble and the other faculty at summer camp for their instruction and guidance.

And speaking of the Student Subunit Raffle . . . Another raffle is planned for this year's Annual Meeting at Sea Trails. Proceeds support campus fishery activities, summer camp scholarships, and more. The Student Subunit would like to solicit the assistance of all Chapter members to raise raffle items for this event. If you know someone at a Wal-Mart who can get some gear, if you would like to donate a gift certificate, if you have old fishing tackle that has just collected too much dust, if you have anything that might be of interest to another fish-head, PLEASE

consider bringing it to the Annual Chapter meeting and donating it to the student raffle! The Student Subunit would appreciate any and all support!

The Subunit's web page is always being updated with new information and images of the recent events and a tour of fisheries research in North Carolina currently being conducted by faculty and students at NC State. The web page can be linked from the Chapter home page or directly at http://www4.ncsu.edu/unity/users/j/jctaylo4/ncsu_afs.

If you have any questions or comments for the student subunit, please contact the current president, Chris Taylor. (Email: chris_taylor@ncsu.edu). Chris is currently residing at the Center for Marine Science and Technology in Morehead City, NC. If you have immediate concerns on campus, please feel free to contact the subunit's vice president, Jason Robinson (Email: jrobins@unity.ncsu.edu or snail-mail: NCSU Dept. of Zoology, Campus Box 7617, Raleigh, NC 27695).

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ENVIRONMENTAL CONCERNS COMMITTEE

President Crutchfield is interested in getting the Environmental Concerns Committee active again. One possible issue that may be addressed is a Chapter position statement on dam removal. Please check future newsletters for further developments.

EDUCATION COMMITTEE

The Education Committee is working on two continuing education offerings for the upcoming 2001 Chapter meeting. Course offerings are based on feedback received from surveys of participants who took courses offered in 1999 and 2000. The first course will be on Nonparametric Statistics and will be taught by Dr. Jackie Dietz of N.C. State University. This 4-hour course will review concepts and assumptions of nonparametric statistical tests and will offer an interactive tutorial with environmental data sets. Dr. Dietz has taught nonparametric statistics at N.C. State for many years and has developed a reputation as an excellent educator who can teach statistics in practical terms. A second course to be taught by Dr. Jon Knight of Duke Power Company will review and discuss reservoir limnology dynamics in the context of relationships with the fish community. Jon is an employee of Duke Power and has conducted extensive limnological research on Duke's power plant reservoirs, including Lake Norman, Lake Wylie, Lake Jocassee, and other piedmont and mountain reservoirs. This 2-4 hour course will review limnological concepts and the dynamics of reservoirs.

President Crutchfield has been the chairman of the Education Committee for several years and has organized many fine continuing education opportunities. However his current responsibilities as Chapter President will keep him extremely busy and we need to solicit a new chairman. Please contact John if you would like to assist the NC Chapter and become the chairman of the

Education committee. The Education committee chairman will ". . . work in close contact with the Chapter President to provide continuing education opportunities for Chapter members in conjunction with the annual Chapter meeting. Educational opportunities for the public and user groups of North Carolina fisheries resources may also be initiated."

E-mail: john.crutchfield@cplc.com

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NEWS FROM AROUND NORTH CAROLINA

AFS News from Fred Harris - Strategies to increase membership in AFS will be a focus area this year. Governing Board approved several measures intended to provide monetary incentives for new members and existing members in the early stages of their careers. These measures will require changes in the Society's Bylaws before they can be enacted. This year AFS's membership committee will focus on recruiting new members within chapters and developing a long-range plan to increase membership. Anyone with thought on membership should contact Fred Harris who chairs the committee.

NC Chapter member Larry Olmsted led a committee that examined the need for the development of an AFS policy on dam removal. The committee prepared an excellent report that has been referred to the Resource Policy Committee for development of an AFS policy statement. If you have an interest in dams and dam removal, contact Larry for a copy of the report.

AFS's financial situation continues to improve. We will be in the black at the end of the year (Dec. 31) and should put about \$140,000 in the contingency fund. The low balance of the contingency fund is still a cause for concern, but we've got it headed in the right direction now.

AFS continues to work with other aquatic resource societies to create a single infobase of aquatic biosciences that would be maintained on a web site. Gus anticipates having a package ready for consideration by potential funders in the next few months.

Carolina Power & Light News from John Crutchfield -

Biologists with the North Carolina Wildlife Resources Commission and Carolina Power & Light Company met in July to review and discuss fishery issues related to CP&L's power plant reservoirs. The meeting also provides a forum to discuss cooperative research and management projects on CP&L lakes.

This year's meeting featured discussions on Lakes Julian, Harris, Hyco, Mayo, and Sutton. Presentations were also made on the recent cooperative search for the robust redbreast (*Moxostoma robustum*) in the Pee Dee River, the creel survey results of Harris Lake, the ongoing statewide



largemouth bass virus study, and district updates by Commission biologists. The resource agency and power company have met annually for the past 15 years to discuss and exchange information on fishery management and environmental issues associated with the power company's operations on reservoirs and streams located in the state.

130th AFS Annual Meeting News - Rich Noble and his research staff made quite a splash at the Black Bass 2000 Symposium held in conjunction with the annual AFS meeting in St. Louis. Rich was one of the keynote speakers for the symposium summarizing progress in black bass management in North America over the 25 years since the last symposium. In addition, former students Elise Irwin (Auburn) and Randy Jackson (Cornell) contributed papers based on the Jordan Lake bass study, and current students Wes Neal and Ozcan reported on results of bass research in Puerto Rico.

NCWRC Mobile Aquarium News from Russell Wong -

The North Carolina Wildlife Resources Commission has expanded its aquatic outreach efforts through construction of a mobile aquarium that is being exhibited at professional meetings, shopping malls, fishing clinics and other large public events across the state. The aquarium, which debuted at the Ducks Unlimited "Greenwings" event in September, will also be incorporated annually into the Commission's state fair exhibit in Raleigh.



The mobile aquarium features two 300-gallon tanks, each with its own separate aeration, filtration, and cooling systems. The separate life-support systems enable the Commission to display coldwater species in one tank and warmwater species in the other. The twin tanks are permanently mounted inside the trailer and four different artificial habitats have been fabricated to provide a variety of natural-looking environs for different fish assemblages.

"We've got a mountain stream setting, a coastal river setting, a farm pond setting, and a reservoir setting," said Bob Curry, Fish Division Program Manager. "Only two of these habitat settings can be used at any time, but this allows us to rotate usage, keep the habitat settings clean, and give fish assemblages some 'down time' in hatchery tanks where they can rest while other fish are being displayed."

Each aquarium has removable acrylic lids enabling Fish Division personnel to access fish and the artificial habitats.



The life-support systems are situated in the front section of the trailer and informational literature and supplies for public dissemination are stored in the rear section of the trailer. Graphics panels are situated above the tanks so the viewing public can identify some of the fish in each tank.



When not on display, the mobile aquarium is stored at the Watha State Fish Hatchery near Wilmington. Warmwater fish for the aquarium are supplied by the Watha Hatchery and by nearby biologists who collect fish during routine electrofishing sampling excursions. Coldwater fish are supplied by state hatcheries in the mountain region.

The mobile aquarium was constructed in Wilmington by Truelove Fabrications, Inc., a design and fabrication company that also has constructed aquariums for the North Carolina aquariums at Roanoke Island and Fort Fisher, as well as the nationally renowned aquarium at Monterey Bay in California. More information, including monthly schedules of the mobile aquarium's appearances, is available on the Commission's website at <http://www.ncwildlife.org/>

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SPOTLIGHT ON STUDENTS AND YOUNG PROFESSIONALS



Spotlight on Ron Small, NCWRC - Ron Small is a native North Carolinian from Greensboro. He received his B.S. Degree in Aquaculture, Fisheries, and Wildlife Biology from Clemson University in 1995. Before and after graduation from Clemson, he worked traveled around the country during the summers and worked as a technician for the USFWS Colorado River Fish Project in Utah. He also served a summer research internship at the Savannah River Ecology Laboratory conducting independent research on fishes inhabiting isolated wetlands. To gain additional experience before going back

to graduate school, Ron worked for the USFWS at the Virginia Eastern Shore National Wildlife Refuge. He helped survey migratory raptors, woodcock, and waterfowl at the refuge. Ron also worked a stint as a fisheries technician with the Virginia Department of Game and Inland Fisheries.

Ron attended graduate school at Virginia Tech working under the direction of Dr. John Ney. His Master's thesis research involved trophic competition between larval gizzard shad and resident zooplanktivores in Claytor Lake, Virginia. While in graduate school, Ron was active in the Virginia Tech AFS Chapter serving as Chapter Vice-President and Co-editor of the Southern Division Newsletter. Ron was also awarded the first annual Robert M. Jenkins Memorial

Reservoir Research Scholarship, presented by the Southern Division AFS at the 1998 Mid-Year meeting.

Ron accepted the Assistant Fisheries Biologist position with the Wildlife Resources Commission in District 5 during January 1999. Ron is completing his Master's thesis and is scheduled to graduate by the end of the year. Ron is also an AFS certified Associate Fisheries Professional.

Spotlight on Jessica Finley, NCSU Graduate Student - Jessica is originally from Austin, Texas, which is famous for some of the best barbeque, live music, and swimming holes in the country. Having lived there for eighteen years, however, she decided to give all that up to experience something new and ended up at Bard College in Annandale, New York. She never found anything she enjoyed more than ecology, especially when she got a chance to go out into the field. Her subsequent search for more narrow scientific interests coincided with a desire to spend some time with her boyfriend (now husband) in Florida. She decided to take a semester-long internship position working at Mote Marine Laboratory in the aquaculture department. It was a lucky choice because it was there that she fell in love with fish. Returning to Bard, she chose to do her senior thesis research on marsh fish in the freshwater, tidal region of the Hudson. Little work had been done in this area, and no research had studied the community structure at a quantitative level (i.e. fish/sq. m and biomass/sq. m). Her thesis is archived with the New York Department of Environmental Conservation and Hudsonia, a non-profit research organization.



She's currently in her first year of graduate study working with Jim Rice at N.C. State, and is very happy to have returned to the warmth of the South. Her research involves bioenergetics modeling of striped bass populations in two Piedmont reservoirs, Lake Norman and Badin Lake. This project has given her an excellent opportunity to combine interests in community-level trophic interactions and fish physiology, to get some experience with management issues, and to work with some really great fish folks in the collaborating agencies.



Spotlight on Christian Waters, NCWRC - Christian Waters, also a native North Carolinian, grew up in New Bern along the Neuse and Trent rivers where he developed an interest in the environment at an early age. He received his B.S. degree at Mount Olive College during 1995 and worked on several research projects as an undergraduate with Dr. Richard Bounds. For his senior project, Christian conducted a yearlong water quality study on coastal plain waterways.

Christian attended graduate school at N.C. State working under the direction of Dr. Joe Hightower. His thesis research focused on the effects of water quality on the hatching success of blueback herring eggs in the Chowan River basin. He completed his Master's degree in 1998 and was hired by the Wildlife Resources Commission as an Assistant Fisheries Biologist in District 1, located in the coastal plain region of the state. In September 1999, he was promoted to District Fisheries Biologist for District 2. Christian's work responsibilities are to manage and protect inland fishery resources within a 12-county district in the coastal plain region.

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MEETINGS OF INTEREST

Tour of Stream Restoration in the Watauga River Basin - Oct. 19, Watauga County Agriculture Center in Boone, NC. The tour (sponsored by the NC State University Stream Restoration Institute NC Cooperative Extension Service Watauga River Watershed Project Team) will visit stream restoration projects on Cove Creek, WorleyCreek, and Shawneehaw Creek in the Watauga River Basin. The Cove Creek project is a 1400-ft restoration of an incised stream completed in September 1999. You will see demonstrations of rock vanes, j-hook vanes, cross vanes, root wads, bankfull benches, streambank stabilization, and riparian vegetation. The Worley Creek project demonstrates replacement of a straightened incised channel with a meandering 1600-ft stream relocated on the original floodplain over the past 2 years. You will see floodplain and wetland restoration techniques addressing channel stability and habitat improvement. The Shawneehaw Creek project is an 800-ft reach in the town of Banner Elk in which rock cross vanes and bioengineering techniques were installed in May 2000 to improve channel stability, protect foot bridges, and enhance fish habitat.

The tour will begin and end at the Watauga County Agriculture Center in Boone. Transportation and lunch are provided. Participants should wear field clothes and boots. Registration cost is \$50. Contact Dani Wise e-mail: Dani_Wise@ncsu.edu or Greg Jennings e-mail: Greg_Jennings@ncsu.edu for more details.

Wood in World Rivers - Oct. 23-27, Corvallis, OR. Synthesize current knowledge of the role of wood in aquatic ecosystems and implications for planning and management.
<http://riverwood.orst.edu/>

54th Annual SEAFWA Conference - Oct. 28-Nov. 1, 2000, Baton Rouge, LA. The annual conference is held for state and federal wildlife and fish agencies personnel, conservation groups, and wildlife and fisheries students to address opportunities and challenges affecting wildlife and fisheries in the southeast. <http://www.wlf.state.la.us/apps/netgear/index.asp?cn=lawlf&pid=606>

2001 SDAFS Mid-Year Meeting - Feb. 21-25, 2001, Jacksonville, FL.
<http://www.sdafs.org/meetings/01sdafs/2001home.htm>

Fourth International Symposium on Sturgeon - July 8-13, 2001, Oshkosh, WI. To provide a forum for exchange of information and knowledge on the biology, culture and management of Acipenseriformes of the world, and to provide an opportunity for scientists, biologists, enforcement specialists and commercial interests working with Acipenseriformes around the world to communicate, share experiences and develop new research and management initiatives for the benefit of sturgeon populations and their users. <http://www.sturgeonsymposium.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. E-mail: djcoughl@duke-energy.com

EMPLOYMENT OPPORTUNITIES

Robert J. Goldstein & Associates, Inc. - My firm is looking to hire a scientist experienced in preparing all phases (including writing) of SEPA and NEPA documents and dealing with concerns of agencies for avoidance and for mitigation for secondary and cumulative impacts. Should have strong writing skills, considerable experience in writing or reviewing SEPA/NEPA EA or EIS documents, expertise in one or more of wetlands, endangered species, botany, forestry, or soil science, and familiarity with NC agencies and their personnel. Fax resume and salary history to me. This job is not entry level, and not open to students, but only to work-experienced personnel. Robert J. Goldstein & Associates, Inc. Environmental Consultants Durant Office and Industrial Park 8480 Garvey Drive Raleigh, North Carolina 27616-3175 Tel (919) 872-1174 Fax (919) 872-9214

Carolina Power & Light Company - Carolina Power & Light Company has an employment opening for a full-time temporary contract environmental position at its Harris Energy & Environmental Center located near Raleigh, North Carolina. The candidate will be performing fisheries, water quality, and benthic field sampling as well as laboratory work. The candidate should have a B.S. degree and be willing to work 40 or more hours per week, depending upon the work schedule. The work will involve some overnight travel out of town. The candidate should be able to perform strenuous work in an outdoor environment for extended hours. Some experience in fisheries and water quality sampling techniques, fish identification, fish age-growth analyses, and boat handling is desirable, although training will be provided. Pay will depend upon qualifications and experience. If you are interested in this position, please contact John Crutchfield, Carolina Power & Light Company, at 919-362-3557 to schedule an interview. Resumes can be sent to John at his work e-mail: john.crutchfield@cplc.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. E-mail: 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>

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