



AMERICAN FISHERIES
SOCIETY



NEWSLETTER

DECEMBER 2002

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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

It's hard to believe that my term as Chapter president is rapidly coming to a close. I would like to thank the members of the executive committee, the committee chairs and all the members who volunteered to help when I asked. Without the dedication of these members it would have been impossible for the Chapter to achieve any of its goals. An organization is only as good as its members and the members of the North Carolina Chapter are the best!

The Chapter has accomplished a lot this year. Our biggest accomplishment will be hosting the Southern Division's Spring Meeting in Wilmington on February 12-16, 2003. Many people have worked very hard to make this meeting a success. We have a nice host hotel, there are several excellent continuing education workshops, the program is beginning to take shape and there are several social events planned. Details for meeting can be found at www.sdafs.org/meetings/03sdafs/2003home.htm. I encourage each of you to attend the meeting. If you submitted a paper or poster, thank you for your contribution to the program. If you are not presenting a paper, please consider volunteering to help one of the committees with their responsibilities at the meeting. I know AV and registration will need several people. If you are interested in volunteering to help, contact Kent Nelson, General Chair, at 252-752-5425 or nelsonk3@earthlink.net.

At the Chapter's annual business meeting, which will be held on Friday, February 14, 2003 during the Southern Division's Spring Meeting in Wilmington, the membership committee is planning to giveaway several AFS parent society memberships. The memberships will be awarded to an undergraduate student, a graduate student, and a young professional. Any student or young professional that attends the business meeting will be eligible for the giveaway. Students and young professionals can sign up for the membership giveaway at the beginning of Chapter's annual business meeting and a drawing for the memberships will be made during the business meeting. I am asking AFS members that have been members for 5 years or more to contribute \$5.00 to help fund these memberships. We will be collecting contributions at (or near) the registration table at the meeting or you can mail your contribution to Kim Sparks at 6545 Thetford Court, Raleigh, NC 27615. Please consider contributing to this fund.

Thank you for the opportunity to serve as Chapter president. It has been an enlightening experience. Happy Holidays!
Shari Bryant

2003 SDAFS Meeting Spring Meeting, Wilmington, NC

Planning for the February 2003 Spring Meeting of SDAFS is progressing well and as of the end of November, 90 oral presentations, 12 posters, and one symposium have been submitted. The meeting announcement and associated information were mailed (email and paper copy) to Southern Division AFS members in late November. Chapter members are encouraged to attend the meeting, hear results of current fisheries research in the southeast and exchange information. The NCAFS chapter will hold their annual meeting at 5:00 PM on Friday, February 14, in conjunction with the Spring Meeting. Specifics on workshops and activities at the meeting can be obtained from the Southern Division website. www.sdafs.org/meetings/03sdafs/2003home.htm

Submitted by Kent Nelson, 2003 Spring Meeting General Chair

NCSU Student Subunit Report

The NCSU sub-unit continues to be busy with monthly meetings, special seminars, and social events. Attendance at meetings has averaged over 20 people with a good mix of undergraduate and graduate students as well as faculty members. Recent guest speakers to our meetings have included Dr. Pam Govett of the NCSU College of Veterinary Medicine and Bryn Tracy of NCDWQ. The sub-unit has also assisted with hosting seminar speakers to the NCSU Zoology Department including Dr. Wayne Hubert from the Wyoming Co-op Unit and Dr. Mike Allen from the University of Florida. The NCSU group had a strong showing (12 people) at Duke's campus for a special seminar by Dr. Jim Kitchell from the University of Wisconsin. Three socials were also held in conjunction with the special seminars. Tom Kwak and Daniel Pender hosted a social for Wayne Hubert, Jim and Cindy Rice hosted a social for Jim Kitchell, and Bill and Julie Pine hosted one for Mike Allen. Thanks to the host for their hospitality. Each seminar speaker was also given a very limited edition NCSU Student Fisheries t-shirt as a thank you gift.

Elections were recently held for new sub-unit officers. New officers for the 2003-year will be President Aleisa Reed, V-P Jess Thompson, Secretary-Treasurer Felix Del Toro Silva, and Undergrad V-P Aaron Bunch. Congratulations to the new officers. Thanks to Dave Hewitt and Corey Oakley for serving as the 2002 officers.

The sub-unit is also working closely with the SDAFS Spring Meeting planning committee in a variety of areas. Rich Fulford is coordinating our raffle this year. Please contact Rich (rfulfor@unity.ncsu.edu) if you have any leads for raffle prizes.

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 Bill Pine (wepine@unity.ncsu.edu) if you have any questions about Sub-unit events.

Submitted by Bill Pine, Student Subunit President

Nomination Committee

The Nominating Committee is pleased to report we have secured two highly qualified President-Elect candidates for 2003 in Greg Cope and Mallory Martin. These individuals are dedicated members of NCAFS, and both possess the talent and leadership skills necessary to ultimately assume the responsibility of Chapter President. Please take time to familiarize yourselves with the biographical sketches of these individuals and then vote for your choice. Kim Sparks will be serving the second year of her Secretary/Treasurer term in 2003, so this year's ballot will only include the office of President-Elect. Considering their busy work schedules, the Nominating Committee greatly appreciates both Greg's and Mallory's willingness to serve the Chapter in this capacity.

Submitted by Chad Thomas, Nominating Committee Chair

Candidate Biographies and Ballot



Greg Cope, Candidate, President-Elect - Greg is Assistant Professor and Department Extension Leader in the Department of Environmental and Molecular Toxicology at NC State University. He received a B.S. in Environmental Sciences in 1983 from

Lenoir-Rhyne College in Hickory, NC, a M.S. degree in Biology with emphasis in aquatic sciences from the University of Wisconsin-La Crosse in 1988, and a Ph.D.

with a double major in Fisheries Biology and Toxicology from Iowa State University in 1991. Greg's experience prior to coming to NC State includes work as a fisheries technician with Duke Power Company Environmental Laboratories in Huntersville, NC, while an undergraduate student at Lenoir-Rhyne College and as a research fishery biologist with the U.S. Geological Survey's Upper Midwest Environmental Sciences Center in La Crosse, Wisconsin for the first six years after obtaining his doctorate. His interests and expertise are in the effects of anthropogenic stresses on aquatic organisms, with emphasis on fish and invertebrates, the bioavailability, fate and transport of pollutants in aquatic ecosystems, and public outreach and education. He's been an AFS member since 1985 and has been active in two divisions and three state chapters. He has served the AFS as Associate Editor of the Transactions, member of the Publication Awards Committee, Student Awards Committee, Resource Policy Committee, and Outreach Committee at state, division, and society levels.



Mallory Martin, Candidate, President-Elect - Mallory is Mountain Region Fisheries Supervisor for the NC Wildlife Resources Commission. He was educated at NC State and earned a master's in fisheries at Virginia Tech. He began his career with the Wildlife

Resources Commission as a fish culturist at Armstrong State Fish Hatchery in 1984, before assuming the district fishery biologist position in Waynesville. Mallory then served as Fish Hatchery Program Coordinator in the mountain region, a position he held for many years. His current responsibilities include administration, personnel management, and policy development. He is a certified fisheries scientist, certified public manager, and has been active in AFS for more than 20 years.

Please go to the [2003 NC AFS Ballot](#) page to vote.

Proposed Bylaws Revisions

The NCAFS Executive Committee has unanimously recommended proposed changes to the Chapter Bylaws to incorporate recommendations from the 2001 ad hoc Awards Committee. According to our Chapter Bylaws, "proposed amendments to the Bylaws shall be circulated in writing to the membership at least 30 days prior to any regular meeting at which a vote is to be taken. Such amendments shall pass upon approval by a two-thirds majority of the members present at any regular meeting,

provided a quorum is present". The proposed changes may be viewed at <http://www.sdafs.org/ncafs/BylawsRevision2003DRAFT.pdf>. The purposes of the changes are summarized below:

1. To change the name of the Best Student Paper to the "Richard L. Noble Best Student Paper" and clarify when the award is presented.
2. To change the W. Don Baker Memorial Award to recognize the best presentation by a fisheries professional which removes student papers from consideration for this award. It also clarifies when the award is presented.
3. To empower the Chapter newsletter editor, after consultation with the Chapter President, to send noteworthy articles to Fisheries and the editor of the Southern Division AFS newsletter.
4. To add the Awards Committee to the list of Chapter standing committees and delineate their responsibilities, including, selection of judges for best student and best fisheries professional papers, establishing and reviewing judging criteria and selection of recipients for other Chapter awards.

Note that the most significant change alters the eligibility for the two best paper awards. Currently, students are eligible for the W. Don Baker Memorial Award. This change would allow only fisheries professionals (non-students) to be considered for this award.

Please review these proposed changes and send any comments IN WRITING to Bob Curry at curryrl@mail.wildlife.state.nc.us. Written Comments should be received no later than January 31, 2003. All comments will be summarized and available at the business meeting on Friday, February 14, 2003 when we vote on the proposed changes.

Thank you and I'll see you at the meeting!

Submitted by Bob Curry, NCAFS Past President

Environmental Concerns Committee

The Environmental Concerns Committee has been working on formulating the symposium titled "Southern Dirt: sedimentation in southeastern waters" that will take place at the upcoming Southern Division Spring meeting. The half-day symposium is shaping up nicely. We will have 8 speakers and a key note speaker, Dr. Charlie Rabeni. Dr. Rabeni is the unit leader of the Missouri Cooperative Research Unit at the University of

Missouri, and he is a leading authority on stream ecology, habitat relations, and sedimentation of streams. This should be a very interesting and educational symposium, and we hope that you all will attend.

Also, we are continuing to work on a resolution regarding the AFS position statement "Introductions of Aquatic Species". Members will have the opportunity to vote on the Resolution at the annual meeting in February 2003.

If anyone would like to participate in either of these efforts please contact me or one of the other committee members. If members have any other ideas or suggestions please contact me penderdr@mail.wildlife.state.nc.us or use the comment form on the new web page.

Submitted by Danielle Pender, Environmental Concerns Committee Chair

Education Committee

We are very fortunate to have several excellent workshops at the 2003 SDAFS Spring Meeting in Wilmington. The NCAFS is sponsoring a workshop on "Proactive and Reactive Media Relations for Fish & Wildlife Agencies". This workshop will feature several professionals who deal with the media/resource professional interface. Participants will learn tips and strategies for dealing with media requests and ways to promote organizational programs. The NCSU Student Subunit is also sponsoring a workshop at this year's meeting entitled " Tagging Models: Estimating Population Size and Mortality". Workshop instructors will include Dr. Ken Pollock, Dr. Joe Hightower, and Bill Pine from NCSU. For more information on this workshop, log on to http://www4.ncsu.edu/~wepine/WKSHP_overview.htm. For a complete list of workshops at the 2003 SDAFS Spring Meeting, please see <http://www.sdafs.org/meetings/03sdafs/Workshops.pdf>

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

Membership Committee

As a reminder, it is time once again to renew your AFS membership. If you have not already done so or if you are not currently a member, you can renew or apply online at www.fisheries.org and then link to membership. Regular AFS parent society memberships are \$76, and memberships for young professionals and students are \$38. In addition, NC Chapter membership dues are only \$7!! They can be paid through the parent society or directly to the chapter treasurer.

The membership committee is once again organizing a parent society membership giveaway for young professionals, graduate students, and undergraduate students. To be eligible, individuals must be a member of the chapter and present at the annual business meeting. The annual business meeting will be held this year in February in conjunction with the Southern Division AFS Spring Meeting in Wilmington. Individuals will be able to register just prior to the annual business meeting, and winners will be drawn during the meeting. To fund these memberships, we are asking all chapter members that have been AFS members for five or more years to contribute \$5 to this cause. Please see the President's Message for more details on how to contribute, and thanks in advance for your support.

Hosting the Southern Division AFS Spring Meeting in NC provides an opportunity to expose fisheries professionals and students that may not typically participate in AFS to more than just our annual chapter meeting. Plans are currently underway to publicize the upcoming meeting by email. However, existing members have consistently proven to be the best recruiting tool. Therefore when opportunities present themselves, this committee encourages all members to promote chapter membership, parent society membership, and the upcoming Southern Division AFS Spring Meeting.

If you have questions or suggestions relative to AFS membership, please contact committee chair Christian Waters by phone (252-208-7764) or email (watersct@coastalnet.com).

Submitted by Christian Waters, Membership Committee Chair

News from around North Carolina

AFS News from President Fred Harris - The North Central Division had a successful meeting in December, modeling it after the Southern division's spring meeting. Normally the NCD meets as part of the Midwest Fish & Wildlife Conference. This year the host province

backed out and the meeting was cancelled. The NCD decided to go it alone and hosted the Midwest Fisheries Conference. The 350-400 people who attended heard some interesting, well-prepared presentations on numerous topics. Mike Duvall was there with no discernable changes in his energy level or his demeanor.

The steering committee of the Uses of Propagated Fishes in Resource Management Symposium met at the Midwest Conference. This is going to be an important event for those involved in the use of hatchery fishes in management programs. It's a sequel to the Albuquerque meeting that was held several years ago. AFS continues its leadership in resolving this issue and I encourage you to attend. The Symposium is set for June 16-18 in Boise, ID. Check the AFS web site for details.

Work is progressing on the development of a Fisheries Foundation to support AFS projects. Dale Burkette and John Epifanio are co-chairs of the Committee that's working on the Foundation. Several major contributors have been identified who will be invited to serve on the Foundation's Board of Directors. An early focus of the Foundation will be on outreach. More details will be forthcoming in a President's Hook Column this spring in Fisheries.

Call for Papers - The American Fisheries Society (AFS) will convene its 133rd Annual Meeting at the Québec City Convention Center in downtown Québec, 10-14 August 2003. The meeting's theme is Worldwide Decline of Wild Fish Populations. The theme addresses the identification and explanations of potential factors that may be contributing to the decline of marine and inland fish populations. The scientific program will include 3 types of sessions: Symposia: accepted proposals from individuals or groups of oral presentations or posters around a common theme. Submit by 23 December 2002. Contributed Papers: accepted abstracts of oral presentations by individuals or groups organized and scheduled into sessions by the Quebec Program Committee. Submit by 20 January 2003. Posters: accepted abstracts for posters displayed to facilitate discussion between presenters and attendees. Submit by 20 January 2003. For more information on submitting a paper or poster, visit http://www.fapaq.gouv.qc.ca/en/AFS_congres/appel_A.htm.

The Hutton Junior Fisheries Biology Program - The Hutton is an educational program for high school students designed to develop interest in a career in fisheries among groups underrepresented in the fisheries profession, including minorities and women. AFS

encourages its members to consider mentoring a student during the summer of 2003. For information on how you can get involved, go to <http://www.fisheries.org/Hutton.shtml>, or contact Christine Fletcher at cfletcher@fisheries.org.

Scholarship News from Jeff Boxrucker - The Southern Division of the American Fisheries Society is proud to announce the creation of a one-time \$1000 scholarship in honor of the first President of the Southern Division, John F. Dequine. All fisheries students attending colleges and universities within the Southern Division are eligible. Application forms and procedures are posted on the Southern Division web site (www.sdafs.org). Application deadline is February 1. Send all materials to: Jeff Boxrucker, Oklahoma Fishery Research Laboratory, 500 E. Constellation, Norman, OK 73072; jboxrucker@aol.com

Reservoir Committee Scholarship News from Fred Janssen - Hi Folks! We are approaching the desperate stage on the Reservoir Committee Jenkins Scholarships. We have two \$1,000 scholarships available to award at the SDAFS Spring Meeting in February. So far we have NOT received any applications. Please forward this reminder to academia in you areas to try to increase awareness. The application deadline is January 31, 2003. More information can be obtained at http://www.sdafs.org/reservoir/scolship/res_scol.htm.

SDAFS 2003 Meeting News from Bill Pine - Student volunteers are needed for the 2002 Southern Division Spring Meeting in Wilmington, NC. Volunteers are needed primarily to operate audio-visual equipment during technical sessions, but other work opportunities may be available as well. Students must register for the meeting at the regular registration rate; however, students who work will be reimbursed \$8.00 per hour after completing work assignments (i.e., after the Spring Meeting). If you are interested in work opportunities during the Spring Meeting, please contact Kimberly Sparks at 919-316-3725 or ksparks@rti.org (e-mail preferred).

NC Intern News from Jim Rice - The announcement has just come out for the 2003 NC State Government Internship Program. This program offers an incredible variety of internship opportunities for students to work in state agencies on topics of interest. There are a ton of internships that would be great experience for fisheries or wildlife students. For more information on what's available and the application form, go to <http://www.doa.state.nc.us/doa/yaio/intern.htm>. The application deadline is February 3, 2003. Questions can

be addressed to Karen Bass at karen.bass@ncmail.net or 919-733-9296.

Spotlight on Oldtimers and Young Professionals

Spotlight on Frank McBride, NCWRC - The Wildlife Resources Commission hosted a party in Nash County last month recognizing the retirement of the Fish Division's Frank McBride whose last official work day was 29 November. It was easy for those in attendance to find complimentary things to say about Frank's long and stellar career. It was less easy for his old field buddies to avoid telling embarrassing work war stories, but most tried valiantly and succeeded!

Frank was raised in Wilmington, NC, and graduated from UNC Wilmington in 1972. He began his career with the Wildlife Resources Commission as a fish technician living in Lewisville working for Roy Miller, mostly at Belews Lake. Some thought the agency needed a big intimidating guy that grew up in North Carolina to help Cornell trained Roy meet his work objectives in that part of the state. Frank enjoyed the work, but it was too long a trip from Winston-Salem to the coast every weekend during duck season so he asked for and got a lateral transfer near Rocky Mount where he worked as an Assistant District Biologist. The job and the quail and deer hunting there suited him just fine, and it was closer to those coastal ducks.

Frank was promoted to District Fisheries Biologist in the area in 1977 where he did a lot of reservoir fisheries management, logged time on the Roanoke River with striped bass management and production at Weldon, and did some important work on the Eno and Tar rivers working with Roanoke bass and its habitat. He quickly developed a reputation as a dependable pragmatic biologist and the toughest guy on the field crew despite Roger Jones' frequent unsuccessful attempts to mount a challenge. He was also refining his skills as a supervisor handling his district assistant biologist. Frank was a stickler for being on time and is reputed to have barged into another Jones' home to pull him from his bed when he slept past an agreed upon start time for a day in the field.

In 1988, Frank accepted the new challenge of Assistant Division Chief coordinating the agency's fisheries management program. The same combination of common sense, pragmatism, integrity, and fairness was now benefiting not just District 3 and the Piedmont Region, but the whole Fish Division. Perhaps one of the more notable landmarks in this work period was his leadership in the decision to purchase the commercial hatchery that would become the Watha State Fish

Hatchery. After a technological fix for an unanticipated well water gas saturation problem that caused him some heartburn and self doubt, the hatchery has greatly increased the Commission's warm water fish production capacity and its service to anglers. He also found time to serve as president of the NC Chapter of AFS.



Registration Committee Chair McBride and Scott Van Horn at the 1999 AFS Meeting in Charlotte.

Frank assumed the role of environmental supervisor in 1994. Some of his friends thought the job change might have been a desperate attempt to avoid a daily commute into the center of Raleigh from his quiet home in rural Nashville. Reflecting on his accomplishments in the new position, most now concede it is possible Frank saw the habitat losses occurring because of development in his home state and decided he could influence that process as environmental supervisor. Hydropower relicensing on the Roanoke River, reservoir shoreline management, watershed restoration work in the mountains, and mitigation funding for white shad restoration in the Roanoke River are among the larger projects heavily influenced by Frank's leadership. He has worked hard to give the Commission a strong role to play as government defines how habitat is going to be affected by development in North Carolina. The Southeastern Association of Fish and Wildlife Agencies recognized Frank's professional accomplishments by naming him their Biologist of the Year at its recent meeting in Baltimore, Maryland.



Frank and grandson at his Nov. 15 Retirement Celebration

It is important to recognize and applaud Frank's professional accomplishments, but that is only part of what marks a successful career. The counsel, encouragement and support he offered his staff are equally important. The high esteem with which he is regarded by his coworkers says as much as those plaques on the wall. Frank, we thank you for your friendship and your service to the state, both its natural resources and its citizens. It was a pleasure working with you and we wish you well in your retirement.

Submitted by Scott Van Horn and Danielle Pender

Spotlight on Larry Olmsted, Duke Power Co. - "My intention coming out of graduate school was to just stay a few years, get some experience, and then move on", Larry Olmsted often remarked about his job as Director of the Scientific Services Unit of Duke Energy Corporation. Twenty-nine years later Larry is retiring after an illustrious career that, under his guidance and example, saw the development of the biological investigations at Duke into one of the premier electric utility scientific programs in the US.

Larry received his BS from Northwest Nazarene College in Nampa, ID and his MS and Ph.D. fisheries training from the University of Arkansas. A long time member of and advocate for the AFS, Olmsted has served the Southern Division as president and vice-president. He also was instrumental in the reorganization and support of the NC Fishery Workers Association; the precursor of the NC Chapter of AFS. At the 2002 AFS annual meeting in Baltimore, Olmsted was awarded the Meritorious Service Award for his significant and long lasting contributions to the Society.



Larry Olmsted demonstrating the 'extended arm' principle of optics that Rich Noble so often uses to enhance the size of his catch.

Anyone who ever met Larry and spent any time with him realized immediately that he is progressive thinker. Not only is he well-versed in freshwater fisheries issues,

but is able to integrate fishery science into pragmatic watershed-level decision making. Larry could talk environmental issues with not only professionals in the field, but just as easily with CEOs and corporate officers. Because of his extremely strong interpersonal skills and his ability to deliver the services he promised, he was extremely adept at receiving private, governmental, and corporate funding to grow fisheries and ecosystem level investigations around the Southeast. His direction, his vision, but just as importantly his caring and strong ethical commitment, will be very much missed by his many many friends and colleagues across the country.



Olmsted, not relying on Noblian optics, demonstrates his dominion over the fish of the sea.

Larry and his wife Beth reside at 7226 Price Point in Denver, NC 28037. When asked what the future might hold for him, Larry mentioned the possibility of some consulting work, spending time with his daughters and grandchildren, catching up on some long overdue fishing, and of course the continued and seemingly never ending counseling and mentoring of Fred Harris and Scott Van Horn of the North Carolina Wildlife Resources Commission...

Submitted by Gene Vaughan

Editor's Note - Lest you worry that all the fishery talent in the state will be shriveling up as Frank and Larry retire, I was just made aware of some new recruitment activities and present the following "Very Young" Professional Spotlight:

Spotlight on Cooper Elizabeth Waters –



Membership Committee Chair Christian Waters reports the birth of Cooper on Friday, December 13. Mother and child are doing well and the proud father cannot stop smiling! Hints have been made about her education and career plans, and they are quite aggressive! After a brief nursing residency, Cooper will concentrate on elementary education and understanding the concepts and use of plumbing. Eventually she will get her college degree and seek advanced fisheries training under Dr. Chris Taylor. Her proud father has recently sent e-mails to the NCAFS EXCOM attesting to his commitment to increase the Chapter membership by whatever means available!

Meetings of Interest

17th Annual Meeting of the Tidewater Chapter of the AFS - Jan. 15-17, 2003, Beaufort, NC.
<http://www.sdafs.org/tidewater/>

2003 Joint Annual Meeting of the South Carolina Fishery Workers Association and the South Carolina Chapter of the AFS – Feb. 3 - 4, 2003, Hickory Knob State Resort Park, McCormick, SC.
<http://inlet.geol.sc.edu/SCAFS>.

2003 NCAFS Annual Meeting and the 2003 SDAFS Spring Meeting - Feb. 12-16, 2003, Wilmington, NC.
www.sdafs.org/meetings/03sdafs/2003home.htm.

Freshwater Mollusk Conservation Society Symposium
- Mar. 16-19, 2003. Durham, NC.
<http://ellipse.inhs.uiuc.edu/FMCS/Symposium/>

Fourth National Workshop on Constructed Wetlands/BMPs for Nutrient Reduction and Coastal Water Protection - June 23 -25, 2003, Wilmington, NC.
http://www.cals.ncsu.edu/waste_mgt/workshop.htm

2003 Joint Meeting of Ichthyologists and Herpetologists – Jun. 26 – Jul. 1, 2003. Manaus, Amazonas, Brazil. <http://www.aiha.org.br/>

133rd Annual Meeting of the AFS – Aug. 10-14, Quebec City, Quebec, Canada. Worldwide decline of wild fish populations.
http://www.fapaq.gouv.qc.ca/fr/AFS_congres/accueil.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

Graduate Positions at Ohio State - We have openings for M.S. and Ph.D. graduate students at the Aquatic Ecology Laboratory, Department of Evolution, Ecology, and Organismal Biology (EEOB), The Ohio State University. A successful applicant will be creative, motivated, and capable of working well both independently and cooperatively. Interested students should send a cover letter, curriculum vitae, names of three references, and transcripts to either Elizabeth Marschall (marschall.2@osu.edu) or Roy Stein (stein.4@osu.edu), depending on specific interests. Graduate students in EEOB are supported either as Graduate Research Associates, Graduate Teaching Associates, or Graduate Fellows with a stipend of \$1,384/month and a tuition waiver. We are looking for students who are interested in:

- 1) Structure and function of inland reservoir systems (contact Roy Stein). This likely will be a cooperative project with the Ohio Division of Wildlife. Start dates: Negotiable, April through September, 2003.
- 2) Terminal predator dynamics in Lake Erie (contact Roy Stein or Elizabeth Marschall). This likely will be a cooperative project with the Ohio Division of Wildlife. Start dates: Negotiable, April through September, 2003.
- 3) Using models to understand spatial and temporal patterns in populations (contact Elizabeth Marschall). These projects will combine individual-optimality and population-simulation models with experiments to understand how energy allocation, behaviors, and population dynamics change over the geographic range of a species and over the rapid environmental changes of the recent past and near future. Start date: September 2003.

Aquatic Ecology Laboratory
Department of Evolution, Ecology, and Organismal Biology

The Ohio State University
1314 Kinnear Road
Columbus, OH 43212-1156
Voice: 614/292-1613; Fax: 614/292-0181
<http://www.biosci.ohio-state.edu/~ael/>

Fisheries Program Specialist in Montana - The Montana Department of Natural Resources and Conservation is now seeking a fisheries program specialist to coordinate and implement a statewide fisheries program for forest management activities conducted on State Trust lands. This is a new position that presents a great opportunity for innovative and self-starting individuals. Qualifications include a Masters Degree in Fisheries or related field and 2 years of professional experience or a Bachelors Degree in Fisheries or related field and 4 year of professional experience. Salary range is \$35,275 to \$47,725 depending on experience and qualifications.

Application materials can be obtained from any Montana Job Service office or from the Department of Natural Resources and Conservation. Closing date is January 17, 2003. See the following website: <http://discoveringmontana.com/css/statejobs/statejobs.asp>. For more information contact:

Gary Frank
Resource Section Supervisor
Forest Management Bureau
(406) 542-4328
gfrank@state.mt.us

Research Experiences for Undergraduates at Miami University, Ohio - Miami University is pleased to announce a Research Experiences for Undergraduates (REU) site, funded by the National Science Foundation and Miami University. The REU site will provide support for 12 undergraduate students per year to conduct research in ecology and environmental science.

The site focuses on collaborative research on the Ecology of Human-Dominated Landscapes. Thus, students will be immersed in research projects that relate to society's impact on ecosystems, and each student will conduct an individual research project within a team of other students & faculty.

The program is based at Miami University's Ecology Research Center, located in the small college town of Oxford, Ohio, and within an hour's drive from downtown Cincinnati. Many habitats are available

for research, including old-growth and second-growth forest, old fields, agro-ecosystems, urban areas, lakes, ponds and streams.

Each student will receive a competitive stipend, free housing, and funds to cover travel and research costs. In addition, each student will earn 12 credits, tuition-free, which are transferable to their home institution. Students will conduct field research during a 10-week summer program and analyze their data and participate in web-based research presentations during the following academic year. Students will have financial support to attend and present their research at a national scientific conference.

Undergraduates with interest in ecology and environmental science from any institution are eligible for this program; prior course work in ecology and/or environmental science is recommended. Miami University is an Equal Opportunity Employer. Women & minorities are strongly encouraged to apply. Applications will be reviewed starting 1 February 2003. For more information: visit www.muohio.edu/ecoreu; email ecoreu@muohio.edu; call 513-529-3100; or write Ecology REU, Zoology, Miami University, Oxford, OH 45056.

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>