



The Lateral Line

The Newsletter of the Arkansas Chapter American
Fisheries Society
Volume 14, Number 2 Fall 2000

President's Message:

In a recent newspaper interview, the new AGFC Director, Mr. Hugh Durham, argued that AGFC needs more data for sound management decisions. Most of us collect data already and many could collect more data or different data. The AGFC has also recently revised its approach to developing research priorities and funding research projects. It is a sign of the times. The state is in a good position to take advantage of the opportunities. In addition to the push by AGFC, we have: the recently expanded USDA Fish Farming Experiment Station at Stuttgart; the expanding USFWS Office in Conway; recently new M.S. programs at ATU, UALR, and UAPB; a new Ph.D. program in environmental science at ASU; a new staff at the USFWS Coop Unit at U of A and more. I encourage each of you to participate in the growing research opportunities.

You might think that your position has nothing to do with research, but bear with me. Resource policies, harvest regulations, and environmental laws work best when they are based on sound knowledge of how nature works and how humans interact with the workings of nature. There will always be more to learn about these interactions. Therefore, our progress relies on our innovation. I argue that innovation and research go hand-in-hand to increase the effectiveness of all we do with fisheries resources, from basic biology to management and aquaculture.

You might recall that the scientific method begins with an observation, which is followed by a guess as to how or why something appears the way it does. Scientists call that guess a hypothesis, but scientists do not corner the market on hypotheses. In fact, some of the most innovative hypotheses emerge from fisheries biologists, environmental managers, and aquaculturists. These professionals, including technicians, are closest to the resources and the issues. They are in the best position to frame the important questions and make the initial guesses. A scientist may never see the issues from this perspective or develop hypotheses to benefit your role in fisheries, unless you communicate your ideas.

Enlisting scientific assistance is one way to advance an innovative idea, but many of you may be in position to explore

the hypothesis yourselves. In other words, you do not have to be recognized as professional scientists or researchers to benefit from the scientific method. The crux of the matter is that once you have clarified your guess, you must establish a way to collect data so that you will know, for sure, if your guess is wrong (rejecting a hypothesis). This is a bit different from collecting data to support your guess and it is ultimately a better approach. It may seem backwards, but if you work effectively to determine if your hypothesis is wrong and cannot, then it strengthens your confidence in a conclusion that your hypothesis is on the right track. Furthermore, if your hypothesis is rejected, you will almost certainly know more about the issue and follow with a better guess next time. A good (critical) test of your hypothesis requires replication and a control, or reference, for comparison. These aspects of experimental design guard against chance outcomes that could lead to a wrong conclusion. Once you have a conclusion that you are confident in, it serves as an observation for your next hypothesis or guess.

This scientific approach has proven incredibly effective when coupled with communication. That is where our Chapter and the AFS come in. I implore each of you to share your hypotheses and tests among our membership informally and as presentations at our annual meetings. When the ideas have been investigated in detail, they should be published, so that the rest of the country can benefit from our innovation. Arkansas has a great tradition of innovation and leadership in fisheries management and aquaculture. Research will be a major component of our efforts to maintain this tradition in the coming century. Thank you for considering my views and make plans to attend the annual meeting in Heber Springs.

Charlie Gagen,
AR-AFS, Chapter President



Lateral Line is published by the Arkansas Chapter of the American Fisheries Society. Send submissions, comments, and inquires to:
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Toni Deen, Distribution Coordinator, 151 HWY 201, Mtn. Home, AR 72653, (870-425-7577).

Submissions for Winter 2001 issue due by January 10, 2000.

SECOND CALL FOR PAPERS*

ABSTRACTS DUE – JANUARY 15, 2001

THE AMERICAN FISHERIES SOCIETY ☿ THE WILDLIFE SOCIETY.

FEBRUARY 6-8, 2001
LINDSEY'S RAINBOW RESORT
HEBER SPRINGS, ARKANSAS

The Arkansas Chapter of the American Fisheries Society encourages submissions of oral presentations of management and research projects to be presented at our 2001 Annual Chapter Meeting. Oral presenters should plan to present for no more than 15 minutes plus 5 minutes for discussion and questions. Presentations should use either high quality 35mm slides or presenters should bring their own laptops. An LCD projector will be available. Arrangements for special requirements such as video players should be made in advance.

INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

We are using an expanded format to allow placement of tables or figures within the abstract. Direct questions regarding abstract preparation to Steve Lochmann (870) 543-8165.

1. **TITLES:** The paper title should be printed in CAPITAL LETTERS, with the exception of scientific names which should be Upper/lower case and italicized (see the attached example). Scientific names should not be set apart using commas or parentheses.
2. **AUTHOR(S):** The first name should be presenting author. Following the presenting author's name, indicate undergraduate (UG), graduate (G), or professional (P) for judging purposes. Use an asterisk (*) after the corresponding author. Type in Upper/lower case.
3. **ADDRESS AND EMAIL:** Type only the corresponding author's institution, address and email. Type in Upper/lower case.
4. **PAGE LENGTH:** No more than a single 8.5 x 11 inch page with 1 inch margins on all sides.
5. **SPACING single-spaces** the abstract.
6. **PARAGRAPHS:** Paragraphs should be separated by a blank line. Do not indent.
7. **FONT AND SIZE:** Use Times New Roman 12 point font for all text.
8. **FIGURES AND TABLES:** We are encouraging the use of figures and tables. Reduce figures to the appropriate size, but ensure that the figures are legible after reduction. Figures and tables should be placed in the abstract in camera-ready form.

Abstracts should be submitted via email as a MSWord file attachment. Send abstracts to Dr. John Jackson (jjackson@uaex.edu). You will receive confirmation of receipt of the abstract and confirmation that the attachment is readable. Please include the following presenting author information in the body of the email: first and last name, institution or affiliation, mailing address, city, state, zip, phone, fax, email.

*First Call was on Webpage.

May 16, 2000

Treasurer's Report January-September, 2000

As of the end of August, our current account balance was \$13,896.73. We have made about \$1,114 in interest and investment income at the same time losing \$685 in market downturns. So overall, the account is making us some money in spite of downturns and some \$81.50 in bank charges and fees.

We collected \$910 in dues this calendar year with 80 paid professional members and 29 student members. For those of you quick at math, you'll see this doesn't add up, but some 2000-year dues were paid before the first of the year.

Since my last report, the chapter donated \$150 to the AFS raffle for the 2000 annual meeting that went as cash for one of the Alaska trips. In a really surprising development, we received a check for \$250 and a letter from the Organization of Wildlife Planner thanking us for our prior contribution of that amount to help put on their annual meeting. Seems their meeting turned a profit and they were returning contributions that were no longer necessary to meet their annual meeting expenses. The Arkansas Game and Fish Foundation also reimbursed us for the annual meeting expenses of Fred Berry. Fred was our award recipient for his contribution of Crooked Creek property to the Arkansas Game and Fish Commission.

While our expenses and income really are not on a strict calendar year basis since some annual meeting expenses are incurred in the year prior to the meeting, our income for the year 2000 (\$4,030.78) is \$381.73 over our expenditures (\$3,649.05) for the year. A laptop computer, printer and software for keeping chapter records and handling meeting registrations, etc. are yet to be purchased.

Rich Standage
Treasurer



Charlie Gagen, President, convened an EXCOM meeting of the Arkansas Chapter of the American Fisheries Society, on 12:25 PM in the Benton office of the Arkansas Game and Fish Commission. Others present were Steve Lochmann – President-Elect; Brian Wagner - Past President; Rich Standage – Treasurer; Diana Saul – Secretary; and Mark Oliver - Newsletter Editor.

Diana Saul presented the minutes from the last EXCOM meeting. A discussion issued over whether to have a detailed or summarized version placed in the newsletter. It was decided that the newsletter editor would have discretion as to how much detail to include in the newsletter. The March EXCOM meeting minutes were then approved.

Rich Standage began the treasurer's report by stating that the money market account has made very little money this year. He explained that it is difficult to keep track of the account and that nobody is able to answer his questions. He also explained that the stock market has been very volatile the past few months, which has affected the money market account. Rich suggested that no changes be made to the accounts at this time. A discussion issued over the fact that the 2000 meeting did not generate any funds. Rich brought up the subject of a computer for the treasurer. He had not come to a decision about the computer at the time of the meeting. He will continue to pursue this idea and will have a recommendation at the next EXCOM meeting.

Brian Wagner gave an update on the membership committee. Letters had been sent out to members who hadn't paid this year's dues. However, only three renewals had come in after the mail out. Two brand new members had also come in recently.

Brian also gave an update on the Arkansas Chapter AFS hosting the 2002 Southern Division AFS meeting. The meeting will be held at the Doubletree hotel. Rooms will be \$84 for single/double occupancy and \$94 triple/quadruple occupancy. According to last year's statistics, the meeting should range between 400 – 500 people.

Rich Standage gave the Environmental Affairs report for Lisa Hlass. He stated that letters about CARA and the Saline River Logging issue would be posted in the next newsletter. Mark stated that the Corps of Engineers canceled the Bear Creek project. Lisa was given the assignment of getting a summary of the minutes from the public meetings on Saline River Logging issue. These minutes would then be posted on the webpage.

Charlie gave an update for the Raffle/ Fundraising Committee for Tom Bly, who was unable to attend. Thank you letters had been sent to those who gave gifts for the door prizes and raffles. Donna Beckham had been added to the Raffle/Fundraising committee. Donna will also be the Arkansas chapter's liaison with the national society to help with the Skinner Award donations.

Mark gave an update on the Fishes of Arkansas CD-ROM. At the time of the meeting nothing new had been done with the CD ROM project. Mark had presented the idea to the

May 5 EXCOM Meeting Summary Continued.

University of Arkansas Press, who liked the idea. The idea needs to be presented to the UA Press again because they have a new director.

Chris Davidson was unable to attend the meeting, but had asked if all of the minutes needed to be placed on the webpage. It was decided that a detailed copy of the EXCOM minutes will go on the Webpage and a summary would be published in the newsletter.

Steve Lochmann presented plans for the 2001 meeting. The dates of the meeting will be February 6 – 8. Steve stated that the Arkansas Chapter of the Wildlife Society had contacted him about having a joint meeting. Steve brought up the idea of having a workshop about the White River. It was decided that Steve would contact the Wildlife Society president about meeting with us and see if they would be interested in a White River Symposium. Different topics for the White River Symposium that would interest both the AFS and the Wildlife Society were discussed. The meeting was adjourned at 2:50 PM

↔EXCOM Meeting Minutes↔ October 13, 2000

Charlie Gagen, President, convened an EXCOM meeting of the Arkansas Chapter of the American Fisheries Society, at 10:27 PM in the Benton office of the Arkansas Game and Fish Commission. Others present were Steve Lochmann – President-Elect; Brian Wagner - Past President; Rich Standage – Treasurer; Diana Saul – Secretary; Lisa Hlass – Environmental Affairs Committee Chair and Joe Stoeckel – Nominations Committee Chair.

Rich Standage began the treasurer's report by expressing his discontent with the Merrill Lynch account. He still has not had anybody from Merrill Lynch answer his questions. He stated that we had lost over \$300 this year. Charlie told Rich to look into writing a letter to Merrill Lynch with our questions and stating that if things didn't change we would move our account somewhere else. Since the last EXCOM meeting, Rich had provided the national AFS office with last year's financial report. Rich stated that he and Charlie had had conversations about auditing the treasurer. They had agreed that the EXCOM had basically audited him because he hands out financial statements at each meeting. Rich stated that the policy and procedure manual needed to be changed to reflect the need for the treasurer to be audited and that a yearly financial statement be sent to the national AFS office. Rich said that the current checking account balance is \$13,896.73. He stated that he was having problems getting the version of MS Money that he was using to work with this type of account. Installing the most current version should take care of some of the problems. Rich stated that he wants the new treasurer to decide what should change with the Merrill Lynch account. A discussion issued on whether this type of investment strategy was too complicated to keep up. Looking into some other investment options was discussed. Rich suggested that we use somebody local, so that we could deal with them personally. Charlie stated again that Rich should send a letter to Merrill Lynch with his questions and problems.

Rich then brought up the subject of purchasing a computer for the treasurer. He said that he is not ready to make the actual purchase yet. However, he plans to have the computer before the next annual meeting. Suggestions were given on what devices needed to be on the computer. Rich will get with members of the computer committee to decide on what type of computer to buy.

Diana Saul passed out the minutes from the May EXCOM meeting. It was noted that a newsletter will be going out soon, and minutes from both meetings needed to be in the newsletter. Diana will give the minutes to Charlie who will then pass them on to the EXCOM for review. Rich stated that Charlie would probably need to give the EXCOM a due date for the review.

Lisa Hlass began the Environmental Affairs Committee report by noting that Mark had reported, at the last EXCOM meeting, that the Bear Creek permit had not gone through. She also stated that changes to Regulation 15 (gravel mining) had passed. Most of the changes were good, but not as good as hoped. One of the changes was a 100-foot buffer around gravel mining. Lisa then brought up the subject of CARA, which as an act did not go through. However, some last ditch efforts are being made to get some funding for CARA. Lisa had received a fax from Nancy Ledbetter encouraging people to fax the president and speaker of the house in order to get some funding for CARA. Lisa asked if we want to fax or call the president and speaker of the house about attaching funding for CARA to other bills. The EXCOM voted to send the CARA fax.

Brian Wagner gave an update on the Membership Committee and the 2002 Southern Division meeting. There have been a few membership renewals coming in intermittently. As of the time of the EXCOM meeting, there were 80 paid professional members and 29 students. Brian will setup a booth about the 2002 meeting in Little Rock at the 2001 Southern Division AFS meeting in Jacksonville, Florida. The Little Rock Convention Bureau will give Brian a bunch of raffle items and freebies to use for the booth.

Steve Lochmann gave a report on the meeting arrangements for the 2001 meeting. January 6, 2001 will be the early registration deadline. It was decided that a poster and raffle ticket would be given to early registrants. Steve asked for comments on the design of the poster and T-shirt for the meeting. Diana suggested that the chapter sell a shirt with colored prints of the fish of Arkansas on it. It was decided that this might be too cost prohibitive for a chapter meeting shirt. It was decided that a less expensive shirt with the meeting design and date be made for the 2001 meeting. Diana would look into the cost of making the other shirt, which could be sold at the 2001, and 2002 meetings.

Steve then began to discuss the 2001-meeting budget. Steve had spoken with Tim Ernst and William McNamara about speaking at the banquet. Unfortunately, their fees would be \$1,200.00 together. This was a sum beyond the budget of the Arkansas Chapter of AFS. Steve asked if our breaks were sponsored by anybody in the past. Charlie stated that it hadn't been that way in the past. Steve posed the possibility of having them sponsored to defray the cost of the meeting. The cost and number of posters and T-shirts was discussed. One hundred posters and 150 T-shirts are usually produced for the meetings. The registration fee was set at \$40 for early registration and \$50 for late registration for professionals. The student registration fee was set at \$30 for early registration and \$35 for late registration. Steve asked the EXCOM if rooms for students needed to be provided in the 2001 meeting. It was decided not to fund student rooms.

Steve discussed the lodging situation with cabins at Lindsey's and the logistics of room assignments. It was recommended that each person be responsible for making their own

October 13 EXCOM Meeting Minutes Continued.

arrangements and that this information be put in the newsletter.

Steve presented a proposed registration form. It was decided that one registration form would be used for both societies and that all of the forms would go to Rich. It was suggested that a printable registration form be put on the website. Steve will ask the Wildlife Society if they want Rich to collect their dues for them also. The ways of splitting the cost of the meeting with the Wildlife Society was discussed. It was suggested that the meeting expenses be split 1/3 and 2/3 between the two societies. Steve will discuss this proposal with the Wildlife Society. T-shirt sales will be handled separately.

Steve also went over the call for papers. Steve presented the idea of putting graphics in the abstracts, which was approved. Abstracts will be sent in by E-mail. Joe Stoeckel stated that the call for papers needs to reflect if it is a student paper (graduate or undergraduate).

At this time Joe then began to discuss the things needed for paper judging. He suggested that the student papers be scheduled as a groups, graduate and undergraduate. It was also discussed to try to have the student papers before the banquet, so awards can be presented at the banquet. The winners of the professional papers awards would announced in the newsletter. Steve will figure out how to designate the difference between graduate and undergraduate papers on the abstract booklet and meeting schedule.

Steve then discussed the speakers for the White River Symposium. It was decided that a panel discussion would be done after the symposium.

Joe discussed and took nominations for Vice-President and Treasurer. He told how the nomination committee selects nominees for office. He also stated that nominations were needed for Best Conservation Organization and Best Conservationist.

Diana Saul
Secretary



Conservation Committee Report

Below is an update on several of the issues that our chapter has been involved in. To obtain more information on these issues go to the environmental affairs portion of our Chapter website. Please let me know if you are aware of other issues in which we should be involved. And remember that our annual meeting is not too far away. Perhaps it is time for you to serve on the environmental affairs committee. Let me know if you're interested!

Log removal from the Lower Saline: After a lengthy public meeting and much controversy, the State Land Commission denied the permit application to salvage submerged timber from the Saline River.

July 18 note from President Gagen regarding log removal:

"I just returned from a meeting of the Natural Resources Committee at the capitol building in Little Rock and was pleased with the committee's decision to DENY the permit application to salvage submerged timber from the Saline River.

Sounds like in this case, cooler heads prevailed.

My sense of their rationale was that the limited amount of money the state could gain from fees/taxes would not cover the cost of studying, regulating, and monitoring the possible adverse environmental impacts. In other words they did not want to allow the salvagers to make money while the citizens of the state were losing money.

Too bad our government is not so logical more often."

Charlie

Proposed Bear Creek Impoundment: On May 9, 2000, Colonel Tomas Holden of the U. S. Army Corps of Engineers (COE) gave notice that he was denying the application to build the dam. Colonel Holden recognized that the Searcy County Regional Water District's (SCRWD) proposal to construct a water supply dam and reservoir on Bear Creek was feasible, but that it would cause permanent impacts to a portion of the creek. The COE suggested that a pipeline from Clinton to Marshall was more practical and would involve use of an existing reservoir, Greers Ferry Lake, with ample, long-term water storage for a regional water supply. SCRWD will likely appeal the Corps' decision.

Crooked Creek: On May 18, the Pollution Control & Ecology Commission enacted proposed changes to Regulation 15, including approval of 100' buffers between mines and streams. However, applicants may still request a buffer of less than 100'. Two applications were recently submitted for in-stream mining operations on Crooked Creek upstream of the Highway 14 bridge in Marion County. Both of these application requests were denied.

CARA: Last ditch efforts are being made to rescue CARA before the end of the current legislative session by including CARA provisions in other bills. We have sent letters to House Speaker Hastert and President Clinton urging them to take care of CARA now.

Lisa Hlass
Chair

Nominations and Awards Committee

The Nominations and Awards Committee needs nominations for President-elect, Treasurer, Outstanding Conservation Organization, and Outstanding Conservationist/Biologist. Your nominations should be sent to Joe Stoeckel, Nominations Committee Chair, via:

E-mail – joe.stoeckel@mail.atu.edu
Telephone – (501) 964-0852
Fax – (501) 964-0837
Mail – Biology Department
Arkansas Tech University
Russellville, AR 72801

The President-elect will take over from Steve Lochman at the 2002 Business Meeting and serve for 1 year. The Treasurer will take over from Richard Standage at the 2002 meeting and serve for 2 years.

Joe Stoeckel Chair



RAFS TUDENT UBUNITS

University of Arkansas – Pine Bluff

Fisheries Society performs numerous public service acts every year. Thus far, during the Fall 2000 semester, the Subchapter has donated time, effort, and money to fund a Kid's Fishing Derby and participated in the Great Arkansas Clean-Up. Future plans this semester involve cleaning up the Lake Pine Bluff public access areas, Homecoming fund raisers, assist in the organization of the State AFS meeting, and interact with fisheries classes on sampling trips. New officers for this academic year are Chris Racey (president), Chip Long (vice-president), Melinda Bodary (secretary) and Chao Mwatela (treasurer).

Steve Lochman,
Sponsor

Arkansas Tech University

The Arkansas Tech University Sub-unit has 37 members and several more freshmen that are attending meetings and becoming involved in the society. Our Stream Team received a \$5,000 mini-grant from the Arkansas Game and Fish Commission for a new Hydrolab that will continuously measure several water quality variables, including turbidity and nitrate levels. Our sub-unit also donated \$1,800 toward the new Hydrolab that will be used to evaluate stream rehabilitation projects on the Illinois Bayou and other streams. Our Stream Team committee also worked with Darrell Bowman of the Arkansas Game and Fish Commission, planting trees on a stream rehabilitation project on the Big Piney and we are planning to help on several projects on the Illinois Bayou.

Many of our members spent the summer working on natural resource projects. We had two members working on an Entergy-funded zebra mussel project in Lake Dardanelle. Five students worked on projects funded by the U.S. Forest Service to study fish movement through low water bridges in the Ouachita Mountains and monitor fish and mussel populations in the Illinois Bayou and Big Piney. One student did volunteer work for the U.S. Fish and Wildlife Service building fire lines and working with Wood Ducks. Another worked for the Colorado River Indian Tribes Game and Fish watching birds and checking bird nests. Three students worked with the U.S. Forest Service planting food plots for quail, supervising pond contracts and fighting fires. We had two students work for the Tennessee Wildlife Resources Agency on the Arkansas Game and Fish Commission and U.S. Fish and Wildlife Service, White River Refuge cooperative bear tagging project. Finally, one lucky student worked on rotenone samples all summer with the local AGFC District Fisheries Biologists.

This fall, we helped the Army Corps of Engineers on National Public Land Days at Bona Dea Hiking Trails by spreading bark on the hiking trails and planting trees. We also helped with a Lake Dardanelle fishing derby on September 23 by cleaning and weighing fish for the youth. We assisted the U.S. Forest Service with another fishing derby on October 14 on the Big Piney. We are also working on our 4th Annual "Quackin' in the Valley" Duck Calling Contest, a part of the Russellville Fall Festival scheduled for October 28. To donate prizes, or participate in the Duck Calling Contest call Darrell Jones at 501-858-6142 or Mark Harness at 501-890-5466.

Mark Harness
President

Ouachita National Forest Aquatic Doings

This has been a very busy field season for the three of us (Betty Crump, Lisa Hlass and me). Betty is working on several mussel and springs and seeps projects on the southern part of the Forest. Lisa spent several weeks doing intensive surveys for the allusive Ouachita River darter (originally described as

the Ouachita River form of the longnose darter but now in the works to be described as a separate species). The work involved habitat typing some 6 miles of the Ouachita River above Shirley Creek Camp, and then sampling habitat units by snorkeling and/or electrofishing. She/we found some good numbers of darters. My son and I helped out a couple of days with that effort. Lisa and I have put together a cooperative project with Dr. Charlie Gagen to continue this monitoring/surveying effort for this endemic darter.

Our annual leopard darter surveying and monitoring ran about three weeks this summer. We incorporated SCUBA for the first time and did find some significant number of leopard darters down below snorkeling range but generally found leopards at the sites through snorkeling too. Brian Wagner and Bill Posey from the Benton Office of the Arkansas Game and Fish Commission assisted our interagency team (USFWS, USFS, AGFC & ODWC) for a week in August working the full range of the species in AR and OK. Thanks for the help guys.

Check out the Ouachita National Forest's web pages at <http://www.fs.fed.us/oonf/ouachita.htm>. We have a link with information on fishing opportunities on the Forest. At the bottom left hand corner of the Forest's home page there are links to take you to darter identification sheets for the Ouachita River and the Upper Little River plus Crayfishes of the Ouachita National Forest by Dr. Henry Robison. This latter link culminates nearly 5 years of efforts to survey and describe the crayfish fauna of the Forest, first in AR and then in OK. Sometime in October, the AR data and key to the crayfishes will be updated with the OK species information.

We have two other Forest/cooperator completion reports we have recently received. The first is on the *Percina* darter culture project we have been working on since 1991 with San Marcos Federal Fish Hatchery and Technology Center and Andrew Labay. The second report is on the Mountain Fork River mussel survey conducted by Dr. Caryn Vaughn of the Oklahoma Natural Heritage Inventory.

On-going or new projects we have funded are status surveys for the Kiamichi shiner, peppered shiner and an endemic crayfish status surveys with Dr. Henry Robison (SAU), the previously mentioned Ouachita darter survey plus continuation of fish passage/road crossing studies with Dr. Charlie Gagen (AR Tech) and mussel surveys of the Fourche and Petit Jean Rivers with Drs. John Harris and Jerry Farris (ASU).

Submitted by Rich Standage

AFS News

The AFS Internet site is an extremely helpful site to our members. You can catch up on the latest national AFS scene or see what's happening in your local chapter at www.fisheries.org. Additionally, here are some of the extensive set of resource links at the AFS site:

Publications, including the AFS Online Bookstore:
<http://www.fisheries.org/Publications.shtml>
Certification: <http://www.fisheries.org/Certification.shtml>
AFS Mailing List Rental:
<http://www.fisheries.org/Marketplace.shtml>
Public Policy, including AFS Policy Statements:
<http://www.fisheries.org/PublicPolicy.shtml>
Meetings and Events: <http://www.fisheries.org/Calendar.shtml>

The AFS Jobs Center Online has become the resource for

fisheries-related employment. If you are looking for a job, or have one to post, this site should be your first stop. Check it out at www.fisheries.org/jobs.html.

Also, you can browse featured articles from the latest issue of FISHERIES magazine at:
<http://www.fisheries.org/fisheries/fishery.shtml>

Rotenone Use in Fisheries Management:

Administrative and Technical Guidelines Manual
Brian J. Finlayson, Rosalie A. Schnick, Richard L. Cailteux,
Leo DeMong, William D. Horton, William McClay, Charles W.
Thompson, and Gregory J. Tichacek. 212 pages
Published by American Fisheries Society
Publication date: June 2000
Stock #550.32; ISBN 1-888569-22-0

This new manual promotes the continued safe and effective use of rotenone as a piscicide and sampling tool. It makes specific recommendations for the administrative and technical procedures for rotenone applications that will ensure its continued availability as a valuable fish management tool. In a well-organized format, it outlines step by step procedures for planning and executing a treatment project and for addressing public health and safety issues and environmental concerns identified by fish biologists in a survey conducted by the authors of this manual. Sections include:

- * Introduction (overview and history of rotenone use in fisheries management)
- * Administrative Procedures
- * Technical Procedures
- * Project Assessment
- * Issues and Responses

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AFS Online Book Store is open! An easy and quick way to order. Check it out!
<<http://www.fisheries.org/cgi-local/shop.pl/page=afsbook.html>>



MESSAGE FROM AFS EXECUTIVE DIRECTOR:

Dear Colleague,

I am writing to inform you of a new American Fisheries Society

program that should be of significant interest to you and your organization.

The Society recently formalized a peer review and expert analyses program focusing on government and industry documents, reports, programs, activities, and legislative authorities, involving fish, and the management of fisheries and associated aquatic resources. AFS has a long and well-respected history of employing peer review with respect to publications and the development of policy statements. As the recognized premier science-based organization of fisheries professionals, the Society brings a wealth of scientific expertise on a variety of aquatic resource science and management subjects, both on the global level and in particular geographical areas. We are in the process of creating a database identifying the scientific and technical expertise of each AFS member.

Charges for reviews and analyses range between \$700-\$1000 per reviewer depending on size and complexity of projects.

If we can be of assistance to you, please let me know. Similarly, if you know of another organization or agency that may benefit from the review and analysis service, I would appreciate it if you referred them to us or us to them.

Sincerely,
Gus Rassam

MEETINGS

2001 SDAFS (9th Annual Mid-Year Meeting)

Feb. 21-25, 2001
Hilton Jacksonville Riverfront
Jacksonville, FL

131st AFS Annual Meeting

Aug. 19-23, 2001
Phoenix, AZ

Fisheries and Aquatic Resource Professionals first entering employment with tribal, state, and federal management agencies are loaded with current knowledge and ready to apply it.

Workloads are heavy, the pace is fast, and little time is available for learning new tools or even brushing up on old ones. Often this results in the professionals with the most experience and knowledge being those lacking the cutting-edge skills to achieve the most benefit to the resource and the profession. How to resolve this dilemma? One way is to attend a continuing education workshop at the 131st AFS Annual Meeting in Phoenix. Workshops are a convenient way to acquire new information in your discipline or even learn about entirely new disciplines. Workshop presenters often are leading experts who filter important information from a wealth of new scientific evidence and then pass on this expertise to their students. Prospective participants need only to sign up during early summer pre-registration and then show up in August with a positive learning attitude. Workshops at the Annual Meeting will be held on Sunday to allow for travel on Saturday and to limit conflicts with other meeting events. Professionals working toward AFS re-certification also can earn continuing education credits (0.5 credit per hour of instruction).

We already have received some ideas for workshops, but we are seeking additional ideas from the membership at large. We are soliciting workshops that could be covered in 2-8 hours. What expertise is most sorely missing in your organization? As an administrator, what new skills should your staff have? As a resource professional, what important disciplines do you least understand? If you have an idea for a workshop or would like to present a workshop at the 131st Annual Meeting in Phoenix, contact Cindy Williams, the chair of this year's Continuing Education Committee. Cindy can be reached by e-mail at cindywilliams@fs.fed.us or by phone at (202) 205-4988. Please take a moment to think about new ideas and let us know how we can help you develop your career. *The deadline for workshop submissions for the 131st Annual Meeting is December 29, 2000.*

55th Annual Southeastern Association of Fish and Wildlife Agencies Conference - A call for Fisheries Papers

The Kentucky Department of Fish and Wildlife Resources invites you to participate in the 55th Annual Southeastern Association of Fish and Wildlife Agencies (SEAFWA) Conference to be held at the Galt House in Louisville, Kentucky on 13 -17 October 2001.

Participation at the Conference will include both poster and oral presentations of peer-reviewed manuscripts on any fisheries related topics including, but not limited to, culture, management, and research from both freshwater and marine environments. **Case history studies are highly encouraged.** Poster presentations will be limited to a provided 4 x 8-foot styrofoam backboard. A one page written abstract of the poster presentation must be submitted.

Written manuscripts will be peer-reviewed and if accepted, in addition to being orally presented at the Conference, will be published as a peer-reviewed article in the Proceedings of SEAFWA. This meeting will provide those authors already working on presentations for the Southern Division 2001 Mid-Year Meeting an excellent venue to publish their work. In addition, authors in the American Fisheries Society that present at SEAFWA are eligible for up to 22 Professional Development Quality Points for Certification purposes.

The deadline for submitting abstracts for posters and manuscripts is **May 1, 2001.** Manuscripts must follow SEAFWA Fisheries Management Guidelines which can be obtained at the Kentucky AFS web site (www.kfwis.state.ky.us/afs/kyafs.htm) or by contacting the Fisheries Program Chair. Please submit four hard copies of your manuscript or one copy of your poster presentation abstract to the **Fisheries Associate Editor.** Please include the title, author(s) names, and work address, telephone number, and e-mail address of the contact author.

Fisheries Associate Editor

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We are looking forward to hearing from you in the near future and encourage you to attend and participate in the 55th Annual Southeastern Association of Fish and Wildlife Agencies (SEAFWA) Conference to be held next year in Louisville, Kentucky.

Sincerely,
Gerard L. Buynak Fisheries Program
Chair
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4th International Symposium on Sturgeon: Oshkosh, WI, July, 2001. First Announcement and Call for Papers, Ron Bruch for the 4th ISS Steering Committee



**Visit our Chapter Webpage for
updated information**

◀ www.sdafs.org/arkafs/arafs.htm ▶

AFS/TWS Annual Meeting Registration Form
Lindsey's Rainbow Resort
Heber Springs, Arkansas, February 6-8, 2001

This is a registration form for the joint meeting of the Arkansas Chapter of the American Fisheries Society and the Arkansas Chapter of The Wildlife Society. Registration includes two continental breakfasts, access to the technical sessions, the White River Symposium, the Student/Professional Mixer and the Banquet. Early registrants will receive a poster and a ticket for a special raffle item. Deadline for early registration is Jan. 6, 2001. Please fill out one form per person. Make checks payable to Arkansas Chapter - AFS. Submit this form to Richard Standage, Ouachita National Forest, PO Box 1270, Hot Springs, AR 71902

Name		Date	
Street Address		Phone Fax	
City		Email	
State & Zip			
Membership Affiliation <input type="checkbox"/> AFS <input type="checkbox"/> TWS	Register by Jan. 6, 2001 ¹	Register after Jan. 6, 2001	SubTotals
Professional Registration Rate	<input type="checkbox"/> \$40	<input type="checkbox"/> \$50	
Student Registration Rate ²	<input type="checkbox"/> \$30	<input type="checkbox"/> \$35	
Extra Ticket for Social	<input type="checkbox"/> \$3	<input type="checkbox"/> \$3	
Extra Ticket for Banquet	<input type="checkbox"/> \$10	<input type="checkbox"/> \$10	\$
Professional Chapter Dues (AFS)	<input type="checkbox"/> \$10	<input type="checkbox"/> \$10	
Student Chapter Dues (AFS)	<input type="checkbox"/> \$5	<input type="checkbox"/> \$5	\$
Professional Chapter Dues (TWS)	<input type="checkbox"/> \$10	<input type="checkbox"/> \$10	\$
Grand Total			\$

¹In order to receive the Pre-Registration discount rate, this form and payment must be received by January 6, 2001.

²Student registration and membership is for full-time, currently registered students only

Lodging	Lindsey's Rainbow Resort
For reservations	800 305-8790
Rate ³	\$28 per person/night

³Lindsey's has a variety of room layouts including 2-bedroom units with either two double beds or one queen bed per bedroom, and 1-bedroom units with two double beds, one king, or one queen bed per unit. Make your reservations early to ensure that you get the room layout you require.

Tentative Meeting Schedule

Tuesday, February 6, 2001

8:00-12:00 Registration
12:00-1:00 LUNCH
1:00-1:30 President's Welcome
1:30-2:50 AFS Technical Sessions
2:50-3:10 BREAK
3:10-5:10 AFS Technical Sessions
7:00-9:00 Student/Professional Mixer

Wednesday, February 7, 2001

8:00-8:10 Announcements
8:10-8:20 Symposium Introduction
8:20-10:00 White River Symposium
10:00-10:20 BREAK
10:20-12:00 White River Symposium
12:00 - 1:00 LUNCH
1:00-2:00 White River Symposium
2:00-3:00 Panel Discussion

Wednesday, February 7, 2001

3:00-3:20 BREAK
3:20-5:00 AFS Technical Sessions/
3:20-5:00 TWS Business Meeting
5:15-6:15 AFS Business Meeting
6:30-7:30 Social Hour
7:30-9:00 Banquet

Thursday, February 8, 2001

8:00-10:00 AFS Technical Sessions
8:00-12:00 TWS Field Trip
10:30 - Tour of Hatchery/Dam Site
12:00

Arkansas Chapter American Fisheries Society Membership Application

Name: _____	Renewal
Address: _____	_____ New Member

Phone: _____	E-mail _____
Fax: _____	

Membership Dues

_____	Regular (\$10.00)
_____	Student (\$5.00)

Please indicate if you would be interested in serving on one of the Chapter's standing committees. () YES () NO

Please indicate if you would be interested in serving as one of the officers of the Chapter. () YES () NO

Make checks payable to Arkansas Chapter AFS.

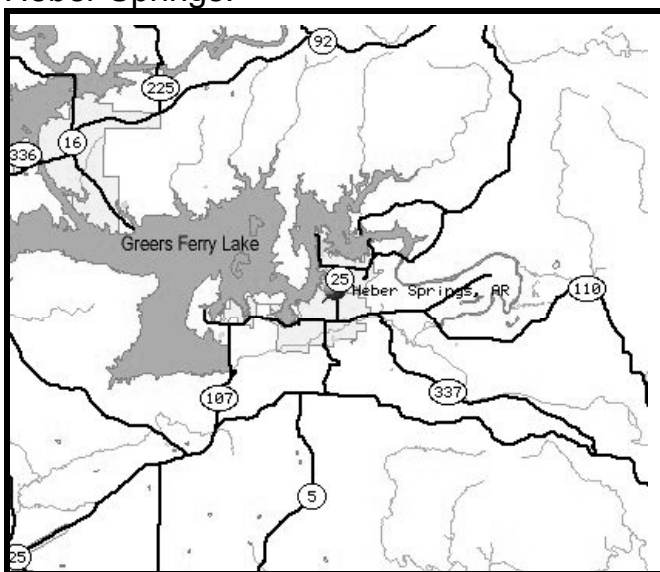
Mail to: **Rich Standage**
 Treasurer
 PO Box 1270
 Hot Springs, AR 71920

Please pass this form on to others that might share our interest in our aquatic resources!

Rip Collins and World Record Brown Trout
Little Red River
Bring you fishing gear!



Lindsey's Rainbow Resort is located off Highway 25 just across the Greers Ferry Dam from Heber Springs.



350 Rainbow Loop
Heber Springs, AR 72543
800-305-8790
FAX 501-362-3856
lrr@arkansas.net

Arkansas Chapter American Fisheries Society

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PO BOX 1270
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Arkansas Tech University
Russellville, AR 72801

Activities/Raffle**Committee:**

Happy Holidays

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Mayflower, AR 72106

Environmental Affairs**Committee:**

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