



# AFA NEWS

Newsletter of the Alabama Fisheries Association

August, 2005

## FROM THE PRESIDENT

Jeff Slipke



Greetings from Music City! For those who didn't know, I was relocated to the Nashville area about the time I assumed the AFA presidency. Tennessee has much to offer and I'm sure that over time I will be proud to call it my home, although don't expect me to start singing "Rocky Top" anytime soon. That said, I truly miss Alabama and I am thankful for my association with AFA that has allowed me to maintain a

close relationship with many of my former colleagues.

I want to start by thanking all who participated in our annual meeting last January in Auburn; from the moderators and speakers, to volunteers, to all those in attendance. It was a great experience for me and I was quite impressed with depth and breadth of the information presented during the meeting. I was especially impressed with the student participation, both in the quality of their presentations and the level of support they provided to the program committee. Many thanks and keep up the good work!

Last week I met with our president-elect, Stan Cook, and members of our steering committee to discuss initial planning of our next annual meeting to be held at the Perdido Beach Resort in Orange Beach, February 22-24, 2006. Regrettably, the registration fee for the annual meeting will have to be increased over last year's fee to offset the increased cost of conducting the meeting. However, at the rate gasoline prices are rising you probably won't even notice it.

Stan has already been hard at work identifying moderators and laying the ground work for what looks to be a fantastic meeting. The technical sessions Stan has proposed might look a bit

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## ABOUT THE AFA

The Alabama Fisheries Association (AFA) is an organization of professionals dedicated to the development, conservation, management, and wise utilization of commercial and recreational fisheries in Alabama. The AFA promotes all branches of fishery science and related technology, with emphasis on the exchange and dissemination of knowledge about fish and other aquatic life. Annual membership fees are \$5.00; three-year memberships are \$15.00. Members are encouraged to purchase three-year memberships. This helps our financial stability and you will avoid any increases in dues that may occur during that time. Dues may be sent to Dave Cline, AFA Treasurer, Alabama Cooperative Extension System, 203 Swingle Hall, Auburn, AL 36849.

**AFA web page** – for information about AFA (and recent newsletters) point your web browser to: <http://www.alabamafisheriesassociation.org/>

different than they have in the recent past. Although speakers and titles have yet to be identified, the program will highlight some of the current hot topics facing aquatic resource management in Alabama. It also promises to illustrate the interdependency among the many sub-disciplines of aquatic resource management in our state. Please mark your calendars and plan to attend.

A few weeks ago I asked Rob Angus to send out an e-mail requesting members to volunteers to serve on our steering committee. Many thanks to those of you who willingly agreed to do so. I look forward to working with you in the future. If you did not receive that request and would like to serve in such a capacity, we could still use a couple more individuals. Please contact myself or one of the other officers for more information.

I wish to conclude by asking that each of you read and respond to the AFA logo issue presented later in this newsletter. Have a great fall and I look forward to seeing you all in Orange Beach in February.

**FROM THE TREASURER  
David Cline**



Greetings all, hope your summer has been a productive one. Our organization is in good financial standing with a total of \$24,140.59 in the bank divided between three accounts.

Amsouth Money Market	\$3697.67
Amsouth Checking	\$6275.21
Amsouth CD	\$14167.71

The only expenditure since the 2005 meeting has been to renew our web domain name

([www.alabamafisheriesassociation.org](http://www.alabamafisheriesassociation.org)) (for 5 years) and provide a forwarding service to our site (3 years) for \$135.95. Don't forget to cast your vote for the new logo on the website. One vote per member please. They come in as emails to my box so I will be watching for the flood.

**FROM THE EDITOR  
Rob Angus**



Thanks to all of you who contributed to this issue. If you were not contacted about submitting something for this newsletter and would like to receive a "call for articles" (via e-mail) for the next newsletter, please notify me at

[raangus@uab.edu](mailto:raangus@uab.edu).

**Got e-mail?** If you received this newsletter by U.S. mail, it means we don't have a current e-mail address for you. To provide us with your e-mail address, please send me a brief message via e-mail. You will then be placed on our e-mail mailing list and will receive calls for articles, other occasional announcements, etc. When the next newsletter comes out, you will be sent an e-mail message with a URL so you can read it online. **Members with internet access are not sent hard copies of the newsletter unless they request one.** This has reduced our newsletter production and mailing costs substantially.

### AFA SCHOLARSHIP

The AFA offers an annual scholarship (\$500) to a deserving graduate student who is currently enrolled in an Alabama university and has an approved research proposal related to fisheries science. The scholarship award can be used in any way to support the recipient's graduate education. The scholarship fund received an excellent initial boost from the Alabama Power Foundation which provided a generous gift of \$10,000.

The **application deadline is 1 November** and the application procedure can be found on the AFA web page:

[www.alabamafisheriesassociation.org](http://www.alabamafisheriesassociation.org).

For additional information, contact David Bayne (334) 844-9321 [dbayne@acesag.auburn.edu](mailto:dbayne@acesag.auburn.edu).

### STEERING COMMITTEE

The 2004-2005 AFA Steering Committee consists of: Jeff Slipke, President (SE Pond Mgmt.), Stan Cook, President Elect (ADWFF), Claude Reeves, Past President (Alabama Cooperative Extension Service), Rob Andress, Secretary (Auburn), Dave Cline, Treasurer (Auburn), Rob Angus, Newsletter Editor (UAB), Kevin Chalk (AL Power), Bernie Kuhajda (U. of AL), Norman Latona (SE Pond Mgt.), Stuart McGregor (Geo. Survey of AL), Doug Powell (AL Power), Wendy Seesock (Auburn), Barry Smith (American Sport Fish), Steve Rider (ADCNR), Daniel Drennan (USFWS), Matthew Lang (USACOE) and Jim Howard (AL BASS Fed.). We are grateful to these folks for their willingness to help steer our organization in the right direction.

### 2006 AFA ANNUAL MEETING

The 2006 AFA meeting will be held at the **Perdido Beach Resort** in Orange Beach on **February 22-24, 2006** (Note: we're back to Wed. – Fri.). Room Rates are \$82.00 per night and you can contact the resort at 1-800-634-8001 for reservations.

The program will follow the usual format with talks commencing at 1:00PM on Wednesday the 22<sup>nd</sup>, a reception that evening, talks Thursday and a banquet that evening. The meeting will conclude with talks Friday morning followed by the final business meeting.

### CALL FOR PAPERS

**Stan Cook**



The program chairman for this year's meeting is our president-elect, Stan Cook (ADWFF) 334-242-3471 [scook@dcnr.state.al.us](mailto:scook@dcnr.state.al.us).

Session topics and their moderators are as follows:

#### SESSION 1

##### STATE WILDLIFE GRANTS & LANDOWNER INCENTIVE PROGRAMS

Moderator: Jim McHugh, Alabama Wildlife and Freshwater Fisheries Div. 334- 242-3874 [jmchugh@dcnr.state.al.us](mailto:jmchugh@dcnr.state.al.us)

#### SESSION 2 HYDROPOWER DAM RELICENSING

Moderator: Jeff Powell, U. S. Fish and Wildlife Service 251- 441-5858 [jeff\\_powell@fws.gov](mailto:jeff_powell@fws.gov)

#### SESSION 3 MARINE RESOURCES

Moderator: Kevin Anson, Marine Resources Div. 251-968-7576 [kanson@gulftel.com](mailto:kanson@gulftel.com)

SESSION 4 FRESHWATER RESOURCES

Moderator: Mike Maceina, Auburn University  
334-844-9319 maceimj@auburn.edu

SESSION 5 AQUATIC INVERTEBRATES OF ALABAMA

Moderator: Daniel Drennen, U. S. Fish and Wildlife Service 601-965-4900 x27  
daniel\_drennen@fws.gov

SESSION 6 ALABAMA'S WATER RESOURCES

Moderator: to be named. Send titles to Stan Cook.

SESSION 7 AQUATIC NUISANCE SPECIES

Moderator: Joe Jernigan, Alabama Wildlife and Freshwater Fisheries Div. 334-626-5153  
jjernigan@dcnr.state.al.us

A social will be held on Wednesday night and the banquet will be on Thursday night. Details and a meeting schedule will be in the winter newsletter.

**Presenters should have their name and title to the moderator by December 15<sup>th</sup>** (see form at the end of this newsletter) and their presentation and abstracts by Jan. 15th. All presentations will be a power point presentation and submitted on CD.

Each speaker will be allotted 20 minutes (15 minute presentation and 5 minutes for questions). Since the number of presentations will be limited, presenters are encouraged to consider poster presentations. Awards will be present for best presentation, best student presentation, and best poster.

**AFA LOGO**

Following our annual meeting last January, those who attended the business meeting voted overwhelmingly to adopt a new logo for our organization. The adoption of a new logo for the AFA has been a topic of discussion for more than two years. During that time, the need for a new logo design has been recognized by a majority of the membership. However, the membership has been generally apathetic with regard to

submitting creative alternatives to the existing logo. After all, we're a group represented primarily by scientists and biologists, not graphic artists. Doug Powell, however, took the initiative and worked with a graphic artist to design a variety of professional quality logos. Thanks Doug!!!

The membership in attendance at the business meeting last January voted on these potential logo designs. The top choice selected during that vote, as well as two variations of our existing logo, have been posted on our website. Members may vote on these designs through the month of September, after which time the votes will be tabulated, the winner announced, and we as an organization can finally put this issue to rest. So please take a moment and visit the AFA website to cast your vote.

Thanks,

Jeff Slipke  
AFA President

**U.S. FISH & WILDLIFE SERVICE**

Dan Drennen

Slackwater Darter

I am conducting the five-year review for slackwater darter (*Etheostoma boschungii*). The slackwater darter is a species listed as threatened under the Endangered Species Act. Under the Act, a review of listed species is required once every five years. The purpose of this review is to ensure that the slackwater darter's threatened status accurately reflects the best available information for this species.

To gather new information concerning the status of, or threats to, the slackwater darter, the Service is contacting local, state and federal agencies and individuals who may have data to share. The Service will consider all information received during the comment period which ends October 11, 2005. If significant new information indicates a change in status is warranted, the Service may propose a rule to modify the slackwater darter's classification. If anyone has a comment or new information regarding the species, please contact

me at 601-321-1127 or  
daniel\_drennen@fws.gov.

Vermilion Darter

The U.S. Fish and Wildlife Service (Service) is seeking public comments on an Agency Draft Recovery Plan to conserve the vermilion darter, *Etheostoma chermocki*, which is federally listed as endangered. The recovery plan describes actions considered necessary for the conservation of this species, establishes criteria for recognizing the recovery levels for downlisting from endangered to threatened, and estimates the time and cost for implementing the recovery measures needed. The vermilion darter was listed as endangered under the Endangered Species Act of 1973, as amended, on November 28, 2001. Please send written comments about the Vermilion Darter Recovery Plan by September 19, 2005, to

Daniel J. Drennen, USFWS,  
6578 Dogwood View Parkway  
Jackson, MS 39213.

If you need a copy of the plan call Daniel at 601-321-1127.

**ALABAMA DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT  
Environmental Indicators Section**

For 2005, the ADEM Water Quality Branch and Aquatic Assessment Unit have made several major changes to ADEM's Surface Water Quality Monitoring Plan (SWQMP) to meet recent changes in USEPA monitoring requirements. First, Alabama's Water Quality Assessment and Methodology was updated to outline data quantity requirements to categorize waters as 'assessed' in the biennial Integrated Report [§303(d) and 305(b)] to Congress. Second, Alabama's Ambient Trend Monitoring Program was revised so that long-term trends in water quality can be identified more comprehensively throughout the state. Third, ADEM's ALAMAP, NPS Basinwide Screening, and §303(d) Monitoring Programs were combined into one watershed-based, probabilistic

monitoring program to provide an intensive, multi-parameter assessment by monitoring unit (true watershed).

Point / Nonpoint Source Assessment Programs

In response to several EPA initiatives and monitoring requirements ADEM has revised its 1997 monitoring strategy. The revision is designed to meet emerging data needs and address weaknesses identified during the last 5-year monitoring cycle. In cooperation with the Water Quality Branch of the Water Division, staff developed new methods to assess overall water quality. These methods are being tested during a pilot study which is being conducted in the Alabama, Coosa, and Tallapoosa (ACT) River basins during 2005. The Environmental Indicators Section of Montgomery Field Operations will assess biological, chemical, periphyton and/or habitat conditions at 174 stream and river stations in conjunction with seven distinct monitoring programs and projects. Because all of these programs meet Alabama's new data quantity requirements, the collected data can be used to:

1. estimate overall water quality;
2. list/delist 303(d) waterbodies;
3. categorize waters for 305(b) reporting;
4. develop nutrient criteria;
5. develop sediment criteria;
6. develop and refine bioassessment methods, indices, and criteria (macroinvertebrates, periphyton, and fish); and,
7. develop tiered aquatic life uses and biological condition gradients.

The 2002 Surface Water Screening Assessment of the Black Warrior and Cahaba River Report is finished and available.

For further information on this project contact Lisa Huff at (334) 260-2752 or ESH@adem.state.al.us

Alabama Monitoring and Assessment Program (ALAMAP)

ALAMAP was suspended indefinitely at the beginning of the 2005 season so that probabilistic

approaches could be incorporated into basin screening assessments.

For more information on this project contact Lee Davis at [MLD@adem.state.al.us](mailto:MLD@adem.state.al.us) or 334-260-2755.

#### Ambient Monitoring

Staff in Birmingham, Mobile and Montgomery conducted 155 sampling visits at Ambient Monitoring Stations during the 3rd Quarter of FY05. Water samples for both chemical analyses and field parameter measurements were collected. The Ambient Monitoring Program station and parameter list was re-evaluated by the Water Quality Branch and updated to better reflect current ambient monitoring needs. The revised sampling effort began in March.

For more information on this project contact Keith Gilliland at [wkg@adem.state.al.us](mailto:wkg@adem.state.al.us) or 334-260-2746.

#### Reservoir Water Quality Monitoring (RWQM) Program

Monthly water quality sampling, April-June was conducted for the Surface Water Quality Screening Assessment of the reservoirs and tributary embayments of the ACT Basins. In addition to the 89 intensive survey stations, four ambient trends and two 303(d) stations are also sampled according to the RWQM protocol. Data compilation for these projects was initiated. Monthly sampling will be conducted through October.

Protocol development and sample scheduling for an additional 20 stations, has been completed for the critical period monitoring (August) of Smith, Bankhead, Tuscaloosa, Oliver, Holt, Warrior, and Big Creek reservoirs in accordance with the two-year monitoring rotation of all lakes in the state.

Reporting: Work on the draft report Tributary Embayment Water Quality Assessment of the Tennessee River Basin 2003 continued during the 3rd Quarter. Work has begun on the draft

report of the Water Quality Assessment of the Southeast Rivers and Reservoirs 2004.

For further information on the RWQM Program contact Gina LoGiudice at (334) 260-2783 or [glogiudice@adem.state.al.us](mailto:glogiudice@adem.state.al.us).

#### Fish Tissue Monitoring Program

During the 3rd quarter FY2005 a tentative list of FY2006 FTMP sample sites was compiled, this list includes:

- Three Mile Creek (TMC1 and TMC2) for chordane.
- Burnt Corn Creek: verification of FY2005 exceedance.
- Focus basin: All non-wadeable public water supply waterbodies.
- ACT basin: minimum of 10 locations.
- FDA exceedance sites: minimum of five sites.
- South Alabama: minimum of 5 sites not recently assessed.
- South Alabama: minimum of 5 sites not previously collected.
- Dioxin: collect samples below minimum of 3 paper mills.
- Dioxin: Perdido River/Bay, downstream and upstream of Eleven Mile Creek.
- Weeks Bay Reserve study sites: fish exceeding 1.0 ppm mercury:
  - Magnolia River Watershed -Baldwin Co Rd 49 Bridge.
  - Fish River Watershed
  - Baldwin Co Rd 32.
  - Polecat Creek.
  - Cowpen Creek.
  - I-110 Fish River.
  - Bay Branch at US 90.
  - Fish River around US 90.
  - Cedar and Dunham Creeks for PCB's in south Alabama near Dothan.
  - Theodore ship canal.
  - Bilbo Creek watershed: fish tissue samples for mercury analysis.

For further information on the Fish Tissue Monitoring Program contact Michael Len at (334) 260-2787 or [mten@adem.state.al.us](mailto:mten@adem.state.al.us)

**AUBURN UNIVERSITY**  
**Department of Fisheries and Allied**  
**Aquacultures**

**Research in the Mobile-Tensaw Delta**  
**Dennis DeVries and Rusty Wright**

Along with the students and staff in our laboratory group, we have been conducting research for the past four years in the Mobile-Tensaw Delta. Funding for this work has come from the Alabama Department of Conservation and Natural Resources, Wildlife and Freshwater Fisheries Division through the Federal Aid in Sportfish Restoration, and we have worked closely with Joe Zolczynski and Dave Armstrong in the District V office. Recently we have also received funding from the Mississippi-Alabama Sea Grant Consortium and the Alabama Agricultural Experiment Station. Our research has been focused on largemouth bass in the Delta, with graduate students studying the ecology and recruitment of young-of-year largemouth bass (Adam Peer), and the ecology, growth, diet, and mortality of adult largemouth bass (Alicia Norris). We have been regularly sampling habitats on the eastern side of the Delta, stretching from near Interstate 65 to the north, to D'Olive Bay south of the Causeway.

Results from our work to date have demonstrated that YOY bass grow better at downstream sites, despite the added cost of increasing or variable salinity during late summer and early fall. They apparently are able to feed on energetically more beneficial fish prey, offsetting the increased metabolic costs associated with osmoregulation due to salinity. However, this growth advantage disappears by the time fish reach age 2.

Adult fish appear to move little among areas within the Delta, as indicated by our tracking of acoustic-tagged fish, tag returns from anglers and our own sampling, and floy tagging during bass tournaments. This tagging effort plus an annual meeting hosted by the Division V office has allowed us to work more closely with the Mobile Area Bass Anglers Association the association of many of the bass fishing clubs that routinely fish

the Delta. These anglers can report the capture of tagged largemouth bass by telephone or via a website we have established to provide updates on the project:

<http://www.auburn.edu/~devridr/deltabass/>

Adult largemouth bass in the Delta have a surprisingly high level of macroinvertebrates in their diet. In the downstream portions of the Delta blue crabs and marine shrimp have often dominated the diet.

Our sampling has taken place at our sample sites for nearly four years now, providing us with a tremendous data set both to describe the overall aquatic ecological community in the Delta, along with the ability to identify changes or differences in this unique ecosystem through time, perhaps in response to changes such as alterations to the Causeway. Our technical staff for this work (Tammy DeVries, Troy Farmer, Ben Martin, and Deborah Smith) have processed literally thousands of fish, otoliths, diets, zooplankters, etc., and have kept this work running.

In collaboration with colleagues at the University of Windsor in Canada and the Great Lakes Fisheries Lab in Ann Arbor, Michigan we are taking a more high-tech approach to following the movement patterns of both largemouth bass and southern flounder in the Delta using otolith microchemical procedures (LA-ICPMS, or laser-ablation inductively coupled plasma mass spectrometry). By comparing the otolith microchemistry (particularly strontium concentrations) with ambient salinity patterns, we (graduate student = Mike Lowe) will be able to tell whether individual fish remain in a particular site or whether they move among sites. In addition, we hope to be able to determine where fish are spawned, and perhaps even determine the frequency of movement of fish among sites (e.g., due to catch-and-release practices). Shortly, we will also use these otolith microchemistry techniques to evaluate mercury contamination in fishes in the Delta, including attempts to determine when in their life history they are accumulating mercury (graduate student = Troy Farmer). A recent addition to our Delta team is

Dave Glover, whose dissertation research will focus on life-history strategies of fishes (particularly largemouth bass) living in these dynamic and often stressful environment. With funding in place for the next few years, we anticipate recruiting one more graduate student to begin work next year.

Given that this work will be ongoing, we look forward to increasing our knowledge of this exciting and unique ecosystem, as well as presenting our findings to the AFA membership at future annual meetings. For additional information or with any questions, contact Dennis DeVries (devridr@auburn.edu) and/or Rusty Wright (wrihr2@auburn.edu).

Recent thesis published:

Peer, A.P. 2004. Influences of spatial and temporal heterogeneity on age-0 largemouth bass growth and recruitment in a tidal-freshwater to low-salinity estuary. M.S. thesis, Auburn University, Alabama. 115 pages.

### **GEOLOGICAL SURVEY OF ALABAMA** **Stuart McGregor**

Survey personnel continue dodging rainstorms and sampling when and where we can. Ongoing field efforts in the Biological Systems Section include: bioassessment of the Terrapin Creek watershed and development of IBI matrices for the Coosa River system; paddlefish tracking in the lower Alabama River; sampling for rare fish species in the smaller coastal rivers; sampling for mussels in the Cahaba River; surveying fishes in the Elk River system in north Alabama; refining rates of sedimentation loading in the Bear Creek watershed in northwest Alabama and northeast Mississippi; monitoring of cave shrimp and Tuscumbia darter populations on Redstone Arsenal; and inventorying the aquatic fauna of the Mobile Delta. This past spring we also assisted TVA with biological assessment activities.

Hydrogeology Unit and Water Information Section activities include a bacteriological assessment of the Lake Tuscaloosa watershed for

the City of Tuscaloosa; evaluation of stormwater for the City of Tuscaloosa; evaluation of the hydrogeology of Lake Jackson on the Alabama/Florida line; hydrogeological assessment of Mountain Fork of Flint River in Madison County; recharge estimate for aquifers in southeast Alabama; selecting a water well site for the West Lauderdale Water Authority; and assessing aquifer vulnerability statewide. Recently completed was a preliminary assessment of rates of sedimentation loading the Buttahatchee River watershed in Alabama.

Pending publications include an assessment of aquifer vulnerability in east central Alabama counties (in two volumes) with an as yet undetermined publisher(s) and "A historical and current perspective of the freshwater mussel fauna (Bivalvia: Unionidae) of the Choctawhatchee River drainage in Alabama and Florida" in concert with USFWS and USGS, in the Bulletin of the Alabama Museum of Natural History. That article has passed the first round of galley proofing and should be on the shelves soon.

Due to our cooperation over many years with Redstone Arsenal, GSA was invited by the White House to attend "The White House Conference on Cooperative Conservation: Strengthening Shared Governance and Citizen Stewardship" in St. Louis, Missouri August 29-31, 2005. Stuart McGregor will present an overview of results of our different projects related to the Alabama Cave Shrimp over the past 14 years. As part of the same talk, Danny Dunn of Redstone Arsenal will present a synopsis of RSA's partnerships with GSA and other entities.

GSA was also present at the inaugural meeting of the Alabama Aquatic Nuisance Species Task Force recently and looks forward to contributing to preservation of Alabama's natural state in whatever manner we may.

John Koster, a native of Tuscaloosa and graduate of the University of Alabama in Geology, has served capably as a student aid this summer in the Biological Systems Section. He is currently a

graduate student in geology at Colorado State University in Fort Collins, Colorado.

**DIVISION OF WILDLIFE AND  
FRESHWATER FISHERIES**

**Aquatic Education Activity by AWWF  
Explodes  
Doug Darr**

Aquatic Education activities of AWWF's Fisheries Section increased greatly this past year. Education talks went from 70 talks for 3,563 participants during the past fiscal year to 242 talks for participants by the end of this year's third quarter. Fishing classes went from 49 classes for 854 participants last year to 72 classes for 1,712 participants so far this year. The main reason for the increase was additional personnel. Maurice Jackson changed from being Hatchery Manager at the Marion Fish Hatchery to Aquatic Educator at the Northport District II Fisheries Office. The number of Community Fishing Events that the Alabama Wildlife and Freshwater Fisheries Division has been a partner has stabilized around 60 each year in Alabama.

**Fishes of Alabama and the Mobile Basin  
Available on the Web**

Most of the fish families have descriptions of their species on the [www.OutdoorAlabama.com](http://www.OutdoorAlabama.com) web site through the fishing/freshwater/fish/section. Information on the conservation status of the animals in Alabama are also available through the watchable-wildlife/what/section.

**MIDSOUTH AQUATIC PLANT  
MANAGEMENT SOCIETY**

The 24th Annual Meeting of the MidSouth Aquatic Plant Management Society will be held October 11-13, 2005 at the Grand Casino Biloxi Islandview Hotel in Biloxi, Mississippi. The meeting program will offer exemplary presentations of water resource management topics that will be certain to peak the interest of all attendees. For more information, check out their web site:

[www.ag.auburn.edu/aux/aquaplant/](http://www.ag.auburn.edu/aux/aquaplant/)

**UAB ANGLING TEAM  
Strikes Again**



Ken Marion and Rob Angus enjoyed fishing on Auburn's S-6 pond after the meeting last January. They managed to catch a few fish even though the water was a tad cold (~48° F). At dusk, Ken threw his crankbait over by some surface commotion and caught this 7.5 lb lunker. She provided a great climax to an enjoyable (as always) AFA meeting.

**FOR SALE**

**Journals for Sale from Robert Hastings**

In view of an impending retirement, I would like to sell the following to make room in my home office. I can deliver in Alabama, or other locations within reasonable distance.

Contact me at [bhastings@knology.net](mailto:bhastings@knology.net) or 334-491-0780.

**Copeia**, 1967-present (38 years, 152 issues) - \$300

**Transactions of the American Fisheries Society**, 1967-94 (28 years, 168 issues) - \$300

**Fisheries**, 1976-94 (19 years, 126 issues) - \$50

**Fisheries Bulletin** (NMFS), Vol. 68(1), Vol. 69-75 (4 issues per volume), Vol. 76(1-3), Vol. 77(4), Vol. 78(1, 2, 4) (36 issues) - \$50

**Sport Fisheries Abstract/Fisheries Review**, 1971-95 (25 years, 90 issues) - \$200

**Wildlife Review**, 1991-95 (5 years, 29 issues) - \$50

**Herpetologica**, 1960-63 (4 years, 12 issues) - \$20

**Ecology**, 1976-94 (19 years, 114 issues) - \$200

**Quarterly Journal of the Florida Academy of Science**, 1968-71 (4 years, 14 issues) - \$20

**Bulletin of the New Jersey Academy of Science**, 1981-84 (4 years, 7 issues) - \$10

Other miscellaneous items (make an offer):

**Progressive Fish Culturist**, 1986-87 (5 issues)  
**North American Journal of Fisheries Management**, 1981 -Vol. 1 (1) **Reviews in Fisheries Science**, Vol.1(4), Vol. 2(1, 3, 4), Vol. 3(1) **Reviews in Fish Biology and Fisheries**, 1991 - Vol. 1(1) **Journal of Applied Ichthyology**, 1989 – Vol. 5(1) **Environmental Biology of Fishes**, 1976 – Vol. 1(1) **Ecology of Freshwater Fish**, 1992 – Vol.1(1) **Reviews in Aquatic Sciences**, 1991 – Vol. 4(1) **Estuarine Coastal and Shelf Science**, 1987 – Vol. 24(1) **Ecological Applications**, Vol. 1(1-4).

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## CALL FOR PAPERS

**Alabama Fisheries Association  
Annual Meeting  
February 22 - 24, 2006  
Orange Beach, AL**

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Title of Paper: \_\_\_\_\_

Brief Summary: \_\_\_\_\_

Please submit your title to the appropriate session moderator (see pages 3 and 4) as soon as possible, but no later than Dec. 15. Titles and abstracts should be sent to Rob Andress, ALCFWRU, 103 Swingle Hall, Auburn, AL 36849 by Jan. 15 for inclusion in the program.