



# AFA NEWS

Newsletter of the Alabama Fisheries Association

January, 2005

## FROM THE PRESIDENT

**Claude Reeves**



2004 has been a busy and seemingly fast year. We will soon be gathering at an annual AFA meeting again (Jan. 24-26<sup>th</sup>). Our 2005 Annual AFA Meeting place has been changed from Orange Beach to the Auburn University Hotel & Conference Center. This meeting place change was made because of hurricane damages to the Orange Beach hotel we had picked to have the meeting. I realize our AFA meeting takes place the week following Aquaculture America 2005 in New Orleans, and that it is three weeks earlier than the 2004 meeting. Hopefully all our AFA members will be able to schedule around the other meetings you will attend in 2005 and plan on attending the informative sessions that have been put together by President-Elect Jeff Slipke and meeting moderators. Looking forward to seeing all of you in Auburn on January 24-26, 2005.

One important matter that will be brought up at our 2005 Annual Business Meeting will be the subject of a new AFA Logo. Please look at the logos shown on the AFA website and determine what you think would be most appropriate and best represent the image of AFA. We will probably take a vote at the business meeting and decide which of the logos to adopt (assuming that we change logos). Think about other matters that you would like to see addressed at our annual business meeting.

I would like to personally thank the sponsors of AFA for continuing financial support of our valued organization. Their generosity and contributions are appreciated and helps us to remain current in our respective professional careers and exchange of information. Thanks!

May all AFA Members, Officers and Sponsors have a Happy Holiday Season with their families and here's hoping that your all have a great year in 2005!



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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 36849-5628.

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

**AFA SECRETARY  
Rob Andress**



Send him your pre-registration by January 12.  
The form is the last page of this newsletter.

**FROM THE TREASURER (AND  
WEBMASTER)  
Dave Cline**



Happy Holidays. I trust that everyone is getting well rested and ready for our meeting. Just so you all know the Association is in good financial standing. We have a total of \$23,305.13 in the bank. These funds are divided between 3 accounts as shown below. Our balance improved by \$141.33 from last year. The reduction in the CD balance was the result of providing two scholarships. We generated enough funds through the raffle to cover one scholarship but needed to dip into the CD to fund the second scholarship. The board has decided to make it a policy to give only one \$500 scholarship in the future to avoid reducing our scholarship account funds.

	<u>Aug 2003</u>	<u>Dec 2004</u>
Scholarship CD	\$14,144	\$13993.84
Checking	\$2,437	\$5617.06
Money Market	\$6,682	\$3694.23
<b>Total</b>	<b>\$23,163.80</b>	<b>\$23,305.13</b>

In addition, if anyone has news or information for our web page please let me know.

**FROM THE EDITOR  
Rob Angus**



Thanks to all of you who contributed to this newsletter. Without your help, the newsletter would be very slim.

**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 ([raangus@uab.edu](mailto:raangus@uab.edu)) 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 on-line. Members with internet access are not sent hard copies of the newsletter. This saves AFA the cost of copying and postage and has reduced our newsletter production and mailing costs substantially.



**AFA PRESIDENT-ELECT AND PROGRAM  
CHAIRMAN  
Jeff Slipke**



**2005 AFA ANNUAL MEETING  
Make Your Reservations NOW**

The annual AFA meeting will be held at **Auburn University Hotel and Conference Center in Auburn, Alabama February 24 - 26, 2003.**

**Note: this is Monday – Wednesday.**

Room rates at the Hotel are \$79.00 for double/king, single or double occupancy. Rooms must be reserved prior to January 12, 2005 or they will be released to the general public. There are only 50 rooms blocked for this event, so don't put off making your reservation. The phone number for the Conference Center is (334) 821-8200. Other motels in the area include:

- Heart of Auburn (334) 887-3462
- Best Western (334) 821-7001
- Jameson Inn (334) 502-5020
- Hampton Inn (334) 821-4111

The program will follow the usual format – see the schedule at the end of this newsletter. Registration fees (which include a banquet ticket) will be \$65.00 at the door. However, you can **save \$10.00** if you pre-register. There will not be an organized fishing tournament again this year; however, there will be

passes for the S-6 pond available for those wishing to do some angling after the meeting on Wednesday afternoon.

**STEERING COMMITTEE**

The 2004-2005 AFA Steering Committee consists of: Claude Reeves, President (Alabama Cooperative Extension Service), Jeff Slipke, President Elect (SE Pond Mgmt.), Randell Goodman, Past President (Auburn), 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), Stan Cook (ADCNR), Steve Rider (ADCNR), and Jim Howard (AL BASS Fed.). We are grateful to these folks for their willingness to help steer our organization in the right direction.

**ALABAMA ACADEMY OF SCIENCE  
MEETING**

The annual meeting of the Alabama Academy of Science will be held at Birmingham Southern College on March 30- April 2, 2005. Information is available at:

<http://www.alabamaacademyofscience.org/>

**GEOLOGICAL SURVEY OF ALABAMA**

Staff of the Biological Systems of the Water Investigations Program of the Geological Survey of Alabama continued an aggressive field schedule in FY 2004, working on several projects, often in cooperation with personnel of other agencies, and continued database maintenance and other housekeeping chores. Ongoing Section Six projects include Elk River and coastal rivers fish surveys, Coosa/Cahaba rivers mussel survey, blue sucker and paddlefish population studies, and an analysis of sediment loading in Bear Creek (Tennessee River drainage). An inventory of aquatic species in the Mobile Delta continued, as did bioassessment of Terrapin Creek, evaluation of fish bypass at Millers Ferry Lock and Dam, bioassessment of fishes in the Tennessee Valley, and monthly monitoring of water quality and the Alabama cave shrimp population in

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Bobcat Cave and a Tuscumbia darter population on Redstone Arsenal. Most of those projects will continue in FY 2005. Assistance was also provided to other GSA divisions in completing a Coastal Resources Inventory and a Conecuh Watershed Management Plan.

Recent publications from the Water Investigations Program include "Biology of a Spawning Population of *Cylceptus meridionalis* in the Alabama River" (Proc. Ann. Conf. of SE Assoc. of Fish and Wildlife Agencies), "Biomonitoring in the Locust Fork Watershed, 1997-1998" (GSA Bulletin 175), and "Freshwater Mussels (Bivalvia: Unionidae) and Habitat Conditions in the Upper Tombigbee River System, Alabama and Mississippi, 1993-2001" (GSA Bulletin 176). Contributions were also made by the staff to the imperiled species publication "Alabama Wildlife, Volume 2, Imperiled Aquatic Mollusks and Fishes" (UA Press).

The Hydrogeology Group is engaged in various projects related to water resources development and production in Alabama. These include hydrogeologic and seismic assessment of Lake Jackson in Covington County to determine the recharge area and movement on groundwater into and out of this 650 acre Karst lake in south Alabama, recharge estimate and production stress evaluation for 10 major aquifers that supply all public water supplies to the 10 southeast Alabama counties, determination of the effect of water production on public water supply and agriculture on Mountain Fork of Flint River in northern Madison County, sedimentation assessment for Bear Creek and Buttahatchee Rivers in northwest Alabama, and numerous evaluations to locate optimum drilling sites for public water supplies throughout the state. Work continues on a series of reports entitled Hydrogeology and Aquifer Vulnerability to Contamination of Major Aquifers in Alabama. This 13 part series will provide pertinent data on water resources through out the state in an easy to use CD format. Unique to GSA are our water well files. These records are the most extensive and well organized water well records in the state, dating back to the early 1950s, and continue to expand today.

Further information can be found on the GSA web page [www.gsa.state.al.us](http://www.gsa.state.al.us). Submitted by Stuart McGregor, Marlon Cook and Blakeney Gillett

### **AUBURN UNIVERSITY Marine Extension and Research Center**

In November, a crew of marine biologists from the Auburn University Shellfish Laboratory on Dauphin Island, in cooperation with the Alabama Department of Conservation and Natural Resources' Marine Resources Division, dropped some 55,000 fingernail-size oysters into Mobile Bay around Cedar Point Reef in a move to help put the Ivan-ravaged reef on the road to recovery. Ivan destroyed an estimated 80 percent of the oysters on that reef as the Category 3 hurricane stormed Alabama's Gulf Coast Sept. 16. The 55,000 juvenile oysters that the lab planted were "extras," surplus oysters from low-oxygen experiments conducted this summer at the Shellfish Lab. It will be 12 to 18 months before the fingernail-size oysters deposited on Cedar Point Reef reach the minimum harvest size of three inches and the 55,000 oysters are only a fraction of the oysters needed to restore the hundreds of thousands swept away or buried by Ivan. However, many of the donated oysters will be mature enough to start spawning in the spring and will contribute to repopulating the reefs.

### **UAB**

A collaborative research effort in aquaculture has been established between UAB and Texas A&M. Dr. Stephen Watts (UAB) is currently involved in research efforts at the Texas A&M Mariculture Facility in Port Aransas, Texas, with Dr. Addison Lawrence, Director of the Experimental Station. The A&M facility is one of the premier aquatic culture centers in the country, and allows extensive experimental trials in both flow-through and recirculating seawater systems. Work is underway to develop semi-purified and purified diets for sea urchins. Worldwide, sea urchin fisheries are declining sharply and aquaculture will most likely be the next avenue for development. In addition to future demands for uni (sea urchin roe), cultured sea urchins populations, using defined formulated diets, will greatly enhance the utilization and role of sea

urchins in biomedical research and environmental monitoring. Watts, along with three PhD students and research associate, Dr. Mickie Powell, will be on site at the facility from October 2004 to February 2005. Additional collaborators on the project include Dr. John Lawrence (University of South Florida), Dr. Lou D'Abramo (Mississippi State), Dr. Delbert Gatlin (Texas A&M), and Hugh Hammer (Gadsden State Community College). Karon Bishop, director of the aquaculture program at Fairhope High School, Alabama, will initiate sea urchin growth trials in the spring of 2005 as part of ongoing aquaculture efforts at Alabama secondary schools. This research and outreach effort is funded in part by the Mississippi-Alabama Sea Grant Consortium.

### **ALABAMA DIVISION OF WILDLIFE AND FRESHWATER FISHERIES**

#### **National Fishing and Boating Grants for PE Teachers**

The Future Fisherman Foundation, Recreational Boating and Fishing Foundation, American Association for Leisure and Recreation, and the National Association for Sport and Physical Education announce the availability of up to \$200,000 to incorporate quality fishing and/or boating programs into curriculum-based K-12 physical education classes. In 2003, Treva Artimisi with Jefferson County School District received one of the grants, and used the money to teach canoeing in Adaptive Physical Education classes. Artimisi paired able-bodied high school students with special needs students.

“Fishing and boating programs give all students, whether they excel in other sports or not, the chance to get excited about a physically active lifestyle,” says Mr. Corky Pugh, Director of the Alabama Division of Wildlife and Freshwater Fisheries. “We are also receiving reports that these students are more excited about their other classes as well.” Eligible programs may receive up to \$5,000, which should include travel costs to the fishing and boating training class in July of 2005. The grant proposals must incorporate fishing and/or boating into mainstream physical education curriculum during school hours, and expose at least one class period to the sports of fishing, boating, or a combination of

both. Main overall objectives must emphasize the relationship between fishing/boating and lifetime physical/mental health. Activities must include instruction in one or more of the following: spin-casting, bait-casting, fly fishing, canoeing, kayaking, or power boating. Supplementary activities may include fly tying, knot tying, resource management/conservation, water safety, or water rescue/CPR training.

Eligible applicants must be elementary, middle, or high school physical education instructors. Public school instructors must hold a current state physical educator certificate. Private or charter school instructors must be certified or hold a degree within a physical education domain. Grant funds under this initiative are not yet available to higher education institutions. Visit Future Fisherman's web site at [www.futurefisherman.org](http://www.futurefisherman.org) for the complete announcement, funding guidelines and application. Eligible recipients must be current national members of the American Alliance of Health, Physical Education, Recreation and Dance (AAHPERD) for the length of the grant contract period. All applicants must be employed by either a public or private school capable of receiving and administering the funds.

“The Alabama Wildlife and Freshwater Fisheries Division currently supports fishing programs in schools by loaning spin cast rods and reels to physical education instructors for casting or fishing programs in school. We want students to know that fishing is fun,” says Mr. Doug Darr, Aquatic Education Coordinator for the Division. “The Division offers these loaner rods at no cost to the schools.” For loaner rods and reels or assistance with developing fishing program in school, contact the Division's Aquatic Education Coordinator, Doug Darr, at 1-800-262-3151, or email [ddarr@dnr.state.al.us](mailto:ddarr@dnr.state.al.us).

#### **Creel and Possession Limit Change for Saltwater Striped Bass**

The Alabama Department of Conservation and Natural Resources announces a change in the daily creel and possession limits for saltwater striped bass effective October 1, 2004. The new regulation reads as follows:

White Bass, Yellow Bass, Saltwater Striped Bass, and Hybrids or Combinations.....30

(No more than 6 of the 30 can exceed 16 inches in total length. See exceptions for Weiss Reservoir and further restrictions for Lewis Smith Reservoir and Lake Martin).

Exceptions and further restrictions under **Size Limits:**

**Lewis Smith Reservoir and Lake Martin-** It is illegal to possess more than two white bass, yellow bass, saltwater striped bass and hybrids, or combinations that are over 16 inches in total length in the daily creel limit.

**Weiss Reservoir** - It is **legal** to possess 30 white bass, yellow bass, saltwater striped bass and hybrids, or combinations of any size.

This new creel limit change allows anglers to keep an additional four saltwater striped bass in most waters of Alabama where saltwater striped bass occur. Resource managers have ascertained that an increase in the creel limit would not adversely affect the numbers or quality of the saltwater stripes in most waters throughout the State.

Due to the physical nature and the exceptionally fine water quality found in Smith Reservoir and Lake Martin, saltwater stripes are able to live longer and exceed 20 pounds in size. The daily creel of two saltwater striped bass will protect the larger fish from overharvest.



**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
Aquatic Assessment Unit**

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

Nutrient Criteria News

ADEM Field Operations has completed the 2004 intensive survey of the Chattahoochee, Choctawhatchee, and Perdido/Escambia River basins. Presently, we have acquired all data necessary through intensive monitoring for EPA-mandated nutrient criteria development. Water quality data used to establish numeric nutrient criteria will primarily come from ADEM as part of our Reservoir Water Quality Monitoring Program and by the Tennessee Valley Authority, but additional data resources may include Auburn University Dept. of Fisheries and Allied Aquacultures, EPA Region 4, and Alabama Water Watch.

Intensive monitoring consists of monthly sampling of targeted mainstem and tributary embayment sites of one basin during the algal growing season (April through October). From 2002-2004, in addition to the targeted basin reservoirs, 9-18 additional reservoirs each year (depending on the intensity of the basin rotation and nutrient criteria target date) were sampled monthly (April-October) At multiple stations on each reservoir, vertical profiles of temperature, dissolved oxygen, specific conductance, and pH are measured; and composited water quality samples are collected. Basins sampled to date are as follows:

- a) 1997 – Coosa and Tallapoosa River basins;
- b) 1998 – Warrior River basin;
- c) 1999 – Chattahoochee and Perdido/Escambia River basins;
- d) 2000 – Coosa, Tallapoosa, Alabama River basins;
- e) 2001 – Escatawpa and Tombigbee River basins;
- f) 2002 – Warrior River basin;
- g) 2003 – Tributary Embayments of the Tennessee River basin; and,
- h) 2004 – Chattahoochee, Choctawhatchee, and Perdido/Escambia River basins.

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As of October 2004, all 40 targeted reservoirs throughout the state have at least three complete years of growing season data (collected from 1992 to 2004) to develop lake-specific nutrient criteria. These reservoirs represent the most significant of the publicly- owned reservoirs in the state of Alabama. Together, these 40 reservoirs comprise a total of 480,000 acres in 11 of the 14 major river basins and represent a diverse range of trophic conditions as well as lake sizes. The largest of these lakes, Guntersville Reservoir, has a surface area of 66,365 acres and the smallest, Lake Jackson, has an area of 256 acres. These 40 reservoirs together represent approximately 80% of the reservoir surface waters in the state.

In an effort to protect Alabama reservoirs from nutrient over-enrichment, ADEM intends to develop numeric nutrient criteria for all 40 separate reservoirs by the end of 2005 based on three years of actual data. Alabama will be one of the few states in the country able to create nutrient criteria of this quality. Chlorophyll a criteria has been established for Weiss Reservoir, West Point Reservoir, R.L. Harris Reservoir, and Walter F. George Reservoir in 2000 and the following nine reservoirs in 2002: Guntersville, Wheeler, Wilson, Pickwick, Little Bear Creek, and Cedar Creek in the Tennessee River Basin and Yates, Thurlow, and Martin in the Tallapoosa River Basin. In 2004, ADEM established chlorophyll a criteria for eleven reservoirs, including Claiborne and Dannelly in the Alabama River Basin; Harding in the Chattahoochee River Basin; Point A and Gantt in the Perdido/Escambia River Basin; and Warrior, Oliver, Holt, Tuscaloosa, Bankhead and Smith in the Warrior River Basin. The remaining 16 reservoirs will have criteria established in 2005.

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**

Fish tissue sampling was completed with 473 fish collected from 45 locations October-December. Forty-two locations were FTMP sampling sites with 423 fish collected. Two sites on the Alabama River, one on Catoma Creek, and one on Martin Reservoir

were sampled as part of site assessments conducted by ADEM/Land Division with 50 fish collected.

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

### **Point / Nonpoint Source Assessment Programs**

Water Quality Sampling at 62 NPS stations began July 13, 2004, and was completed by August 4, 2004. A second round of Water Quality Sampling was scheduled for September 13 through October 1, and 9 stations were sampled before Hurricane Ivan arrived. Sampling was subsequently cancelled because of hurricane related impacts on streams and roads. Station and field parameter data have been entered into the 2004 SE AL Access Database. MB-EPT identifications were completed by August 23, 2004. MB-EPT data entry into the Macro- vertebrate Database was completed by August 31, 2004. Twenty- three stations were selected for Fish- IBI. Six were completed before Hurricane Ivan. The IBI season was suspended after the hurricane due to the probability that the fish communities were greatly modified by the hydrologic event.

**Funding:** The FY2005 CWA §319 NPS grant application Rotational River Basin Approach: Surface Water Quality Screening Assessment of the Coosa, Tallapoosa, and Alabama River Basin was completed during July 2004.

**Reporting:** The final 2002 NPS Basin wide Screening Assessment of the Black Warrior and Cahaba River Report is currently in peer review.

The 2001 Escatawpa, Tombigbee, and Mobile NPS Screening Assessment report is finished and available.

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

### **Alabama Monitoring and Assessment Program (ALAMAP)**

The 2004 ALAMAP sampling season is complete. Nearly sixty stations were sampled statewide. Montgomery Branch visited 21 stations and 17 were

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sampled by the Montgomery, Birmingham, Decatur, and Mobile Field Offices of Field Operations/ADEM.

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 54 sampling events at 41 Ambient Monitoring Stations during the 4th Quarter of FY04. Water samples for both chemical analyses and field parameter measurements were collected. Efforts continue to merge all Ambient Monitoring data into the Master database on the file server.

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.

See you at Auburn!



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## Alabama Fisheries Association 22<sup>nd</sup> Annual Meeting January 24 – 26, 2005 Auburn University Hotel and Conference Center Auburn, Alabama

Monday, January 24, 2005

10:00 AM – 1:00 PM Registration

1:00 Welcome and Opening Remarks by Claude Reeves, AFA President and Jeff Slipke, Program Chair and President-elect

### SESSION 1 – CONTRIBUTED PAPERS

**Moderator: Damon Abernethy, Alabama Wildlife and Freshwater Fisheries**

1:20 Fortieth Anniversary of the Southeastern Cooperative Fish Disease Project. John M. Grizzle, Auburn University.

1:40 Status of Fish Species Of High Conservation Concern in The Uchee Creek System (Chattahoochee River Drainage), Alabama. Troy M. Farmer\* and Carol E. Johnston, Auburn University.

2:00 Life History of the Federally Endangered Vermilion Darter (*Etheostoma chermocki*) Endemic to the Black Warrior River System, Alabama. Jenjit Khudamrongsawat\*, D. Albrey Arrington, Bernard R. Kuhajda, and Andrew L. Rypel, University of Alabama.

2:20 TBA

## **AFA News**

Poster Presentation. The Urban Life of Darters: Snapshots of Turkey Creek and some Karst Spring Habitats in the Birmingham Area between 1957 and 2003. Daniel J. Drennen, U.S. Fish and Wildlife Service.

2:40 Break

### **SESSION 2 – RESERVOIRS**

**Moderator: Mike Maceina, Auburn University**

3:00 Interrelations Between Hydrology and Gizzard Shad Recruitment and Synchrony with Crappie Reproductive Success in Alabama Reservoirs. Michael J. Maceina, Auburn University.

3:20 Effect of Aquathol K Treatments on Largemouth Bass Activity Patterns. Steve M. Sammons\* and Michael J. Maceina, Auburn University.

3:40 Relative Motility of Fishes in a Southeastern Reservoir based on Tissue PCB Residues. David Bayne\*, Wendy Seesock, and Eric Reutebuch, Auburn University.

4:00 Renew Our Rivers; A Major Waterways Cleanup. Doug Powell, Alabama Power.

4:20 Proposed Changes in Operations at Alabama Power Reservoirs. Charles Stover, Alabama Power.

4:40 Jay Haffner, Alabama Wildlife and Freshwater Fisheries.

6:00 **AFA Social**

**Tuesday, January 25, 2005**

### **SESSION 3 – AQUATIC EDUCATION**

**Moderator: Doug Powell, Alabama Power**

8:00 Using Youth with Disabilities to Get the Word Out about Fishing Fun. Doug Darr, Alabama Wildlife and Freshwater Fisheries.

8:20 Strengthening Aquatic Science Programs in Secondary Schools and Community Colleges. Hugh Hammer\*, David Cline, Claude Reeves, PJ Waters, Bill Hemstreet, Gregory Whitis, Gadsden State Community College, Gadsden, Alabama.

8:40 Jason Dockery, Alabama Department of Conservation and Natural Resources.

9:00 Gene Phifer

9:20 The Water Course, A Project of Alabama Power Company. Linda Carden, Alabama Power.

9:40 Break

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### SESSION 4 – WATERSHED/RIVERINE

**Moderator: Scott Mettee, Alabama Geological Survey**

- 10:00 The Tallapoosa Watershed Project: Integration of Research, Education and Extension for Addressing Nutrient Dynamics in Southeastern Watersheds. Bill Deutsch\*, David Bayne, Louheng Han, John Glasier, and Robin Nelson, Auburn University.
- 10:20 Paddlefish Movements in the Alabama River and Mobile-Tensaw River Delta. Maurice F. (Scott) Mettee, Alabama Geological Survey.
- 10:40 The Movement of Adult Bass in the Mobile-Tensaw Delta Based on Acoustic Telemetry and External Tagging. Alicia Norris\*, D.R. DeVries, and R.A. Wright, Auburn University.
- 11:00 Fishes of Conservation Concern in Alabama's Coastal Rivers and Streams. Pat O'Neil, Alabama Geological Survey.
- 11:20 The Reproductive Behavior of the Vermilion Darter, *Etheostoma chermocki*. Robert A. Stiles\* and Paul D. Blanchard, Samford University.
- 11:40 Concrete Results from the Marvel Slab Dam Removal on the Cahaba. Paul Freeman, The Nature Conservancy.
- 12:00 – 1:40 Lunch

### SESSION 5 – AQUACULTURE/MARICULTURE

**Moderator: Allen Davis, Auburn University**

- 1:40 Comparing Harvest Efforts on Newly Renovated vs. Regular Earth Research Ponds. Esau Arana\*, Karen Veverica, Randell Goodman, Auburn University.
- 2:00 The Search for a More Hypoxia-tolerant Oyster. Courtney Ford\*, Richard Wallace and Scott Rikard, Auburn University.
- 2:20 Zooplankton Development in Marine Primary Nursery Ponds. Daniel P. English\* and Ronald P. Phelps, Auburn University.
- 2:40 Comparison of Production Characteristics of Channel and Blue Catfish and Their Hybrid. Mingkang Jiang\*, William H. Daniels, and Harvey J. Pine, Auburn University.
- 3:00 Evaluating Partial and Total Replacement of Fish Meal with Poultry By-product as a Protein Source in Sunshine Bass *Morone chrysops* x *Morone saxatilis* Diets. Harvey J. Pine\*, William H. Daniels, Minkang Jiang, and Carl Webster, Auburn University.
- 3:20 Break
- 3:40 Effects of Mineral Supplements via the Feed or the Water and Their Influence on Growth, Survival and Respiration in *Litopenaeus vannamei*. Luke A. Roy\*, D. Allen Davis, I. Patrick Saoud, Raymond P. Henry, Auburn University.

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- 4:00 Evaluation of a ESC Vaccine and a Nursery Phase in the Production of Channel Catfish Fingerlings. A. Currias\*, J. S. Terhune and J. Chappell, Auburn University.
- 4:20 Best Management Practices for Alabama Aquaculture. C. E. Boyd\* (Auburn University) and Richard Hulcher (ADEM).
- 6:00 **Banquet – Good Ol’ Boys**

**Wednesday, January 26, 2005**

### **SESSION 6 – MARINE/COASTAL**

**Moderator: Steve Szedlmayer, Auburn University**

- 8:20 Ecology of Largemouth Bass along a Salinity Gradient in the Mobile-Tensaw Delta. A. J. Norris\*, D.R. DeVries, and R.A. Wright, Auburn University.
- 8:40 Seasonal Comparisons of Standardized Fish Samples from the Mobile Delta. D. L. Armstrong\* and J. Zolczynski, Alabama Division of Wildlife and Freshwater Fisheries.
- 9:00 Preliminary Observations of Reproductive Behavior in Gray Triggerfish, *Balistes capricus*. C. A. MacKichan\* and S. T. Szedlmayer, Auburn University.
- 9:20 A Comparison of the Fish Communities Between Artificial Reefs With and Without Epibentic Communities. R. A. Sutterer\* and S. T. Szedlmayer, Auburn University.
- 9:40 A Fishery Independent Survey of Red Snapper, *Lutjanus campechanus* in the Gulf of Mexico. S. T. Szedlmayer\*, D. Moss, and M. J. Maceina.
- 10:00 Annual Business Meeting
- 11:00 Adjourn
- 12:00 **Fishing at the S-6 Pond**

# ALABAMA FISHERIES ASSOCIATION

TWENTY-SECOND ANNUAL MEETING

JANUARY 24 – JANUARY 26, 2005

AUBURN UNIVERSITY HOTEL AND CONFERENCE CENTER

AUBURN, ALABAMA

## PRE-REGISTRATION FORM

Name: \_\_\_\_\_ Work phone: \_\_\_\_\_

FAX : \_\_\_\_\_ E-mail address: \_\_\_\_\_

Affiliation: \_\_\_\_\_

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

City, State Zip +4: \_\_\_\_\_

Pre-Registration Fee: Regular \$55.00 (Will be \$65 at the door.)

Students/Retirees \$25.00 ..... \$ \_\_\_\_\_

Membership: 1 year \$5.00

3 years \$15.00 ..... \$ \_\_\_\_\_

Additional Banquet Tickets \$20.00 each ..... \$ \_\_\_\_\_

Raffle tickets (1 - 9 @ \$1 each, 15 for \$10, 30 for \$20) .. ..... \$ \_\_\_\_\_

Optional donation to the AFA scholarship fund (\$5 suggested) ..... \$ \_\_\_\_\_

### T-SHIRTS: GIVE NUMBER AND SIZE BELOW \*

Tee-shirts: @ \$10.00 each x \_\_\_\_\_ .. ..... \$ \_\_\_\_\_

Long-sleeve Tee-shirts: @ \$13.00 each x \_\_\_\_\_ .. ..... \$ \_\_\_\_\_

Sweatshirts: @\$15.00 each x \_\_\_\_\_ ..... \$ \_\_\_\_\_

AFA hats: @ \$9.00 each x \_\_\_\_\_ .. ..... \$ \_\_\_\_\_

\* Note: Guarantees on number and sizes of shirts as supplies last!

TOTAL: \$ \_\_\_\_\_

**\*RETURN BY MAIL OR FAX BY JANUARY 12\***

Send to:

Rob Andress, Eastaboga State Fish Hatchery, P.O. Box 158, Eastaboga, Alabama 36260

FAX: (256) 831-2686. Questions? Call 256-831-6860 ext. 27 or email [randress@dcnr.state.al.us](mailto:randress@dcnr.state.al.us)

Make checks payable to: Alabama Fisheries Association or AFA. Additional raffle and banquet tickets will be available at the door. **Pre-registration does not require pre-payment.**