

# *Program*

**Southern Division American Fisheries Society  
2002 Midyear & 50<sup>th</sup> Anniversary Meeting  
and  
Southeastern Fishes Council Annual Meeting  
21 February to 24 February 2002  
DoubleTree Hotel  
Little Rock, Arkansas**



**Hosted By  
Arkansas Chapter  
American Fisheries Society**

# **Southern Division American Fisheries Society 2002 Midyear Meeting Sponsors**

## **Platinum Sponsor \$3000**

**World Wildlife Fund (Saturday Breaks)**

## **Gold Sponsors \$2500**

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**Rainbow Resort**

**Southern Excellence**

**James M. Cooper, DDS**

**Cavendar's Seasoning**

**Game & Fish Foundation**

**And Many Others**

# Program Overview I

## **Wednesday February 20, 2002**

Registration: 2:00 to 8:00 PM, 1<sup>st</sup> floor lobby

## **Thursday February 21, 2002**

Registration: 7:00 AM to 5:00 PM, 2<sup>nd</sup> floor Pre-function Area

Breaks 10:00 AM, 3:00 PM

Lunch & Dinner on your own

### Committee Meetings

Aquaculture Committee – Riverside West - 1:00 PM to 5:00 PM

Instream Flow Committee – Salon A – 1:00 PM to 5:00 PM

Nongame Aquatics Committee – Riverside East – 1:00 PM to 5:00 PM

Pollution Committee – Salon C – 8:00 AM to 5:00 PM

Reservoir Committee – Salon D – 8:00 AM to 5:00 PM

Small Impoundments Committee – Palisades – 1:00 PM to 5:00 PM

Striped Bass Committee – Edgehill – 1:00 PM to 5:00 PM

Warmwater Streams Committee – Salon B – 8:00 AM to 5:00 PM

## **Friday, February 22, 2002**

Registration: 7:00 AM to 5:00 PM, 2<sup>nd</sup> floor Pre-function Area

Breaks 10 AM, 3 PM; Lunch on own

### Workshops

*Morning (8:00 to 11:45 AM) only and all day*

Crayfish – Riverside East (continue informally after lunch)

FAST – Edgehill (all day)

Fish Contaminants – Salon A

Largemouth Bass Virus (LMBV) – Salon D (all day)

Toxicology – Riverside West

Water Education for Teachers (WET) – Salon C (all day)

*Afternoon (1:15 to 5:00 PM) only*

AFS Leadership Training – Palisades

Student Workshop – Salon B

Southern Division AFS Executive Committee – Palisades – 8:00 AM to 11:45 AM

Southeastern Imperiled Fishes Workgroup – Salon A – 3:00 PM to 5:00 PM

SDAFS Fisheries Management Comm. Session – Riverside West – 5:00-6:30 PM

PowerPoint downloads – Executive Board Room – noon to 4:00 PM

Slide Preview Room – Riverside East

***AR Chapter AFS Meeting – Museum of Discovery – 5:15 to 6:30 PM***

***Student Social / Dinner (everyone invited) – Museum of Discovery – 7:00 to 10:00 PM***

## Program Overview II

### **Saturday, February 23, 2002**

Registration: 7:00 AM to 5:00 PM, 2<sup>nd</sup> floor Pre-function Area

Technical Poster set-up begins 7:00 AM in Riverside West

8:00 AM to 5:00 PM – Technical Poster Session – Riverside West

7:00 AM to 5:00 PM – Slide Preview Room – Riverside East

8:00 to 9:00 AM – SDAFS Business Meeting – Salon D

9:00 to 9:15 AM – Welcome – Salon D

Michael D. Gibson, Chief of Fisheries, Arkansas Game and Fish

Mary Freeman, Chair-Elect, Southeastern Fisheries Council

Betty Crump, President, Arkansas Chapter AFS

9:15 to 11:20 – Plenary Session – Salon D (break 9:40 to 9:55)

**11:20 to 12:35 or 12:45 PM Lunch on your own!**

12:45 to 5:00 PM – Geezers Gab Session – Edgehill (*All fish squeezers qualify as Geezers and are encouraged to stop by, network (students particularly), and hear some Big Fish Tales!*)

### **Technical Sessions:**

12:35 to 2:45 PM – Mussel Symposium I – Salon A

12:45 to 2:45 PM – Stream/River Management I – Salon B

12:45 to 2:45 PM – Reservoir Management I – Salon C

12:45 to 2:45 PM – Angling and Anglers I – Salon D

12:45 to 2:45 PM – Habitat and Land Use (Nongame) – Palisades

2:45 to 3:00 PM – Break

### **Technical Sessions, continued:**

3:00 to 5:00 PM – Mussel Symposium II – Salon A

3:00 to 5:00 PM – Stream/River Management II – Salon B

3:00 to 5:00 PM – Reservoir Management II – Salon C

3:00 to 4:40 PM – Angling and Anglers II – Salon D

3:00 to 5:00 PM – Nongame Fish and Amphibian Session – Palisades

5:00 to 6:00 PM – Southeastern Fishes Council Business Meeting – Palisades

5:30 to 6:30 PM – SDAFS History Poster Set-up – Salon D area of Ballroom

**7:00 to 10:00 PM – 50<sup>th</sup> Anniversary History Social & Poster Session – Ballroom**

10:00 to 11:00 PM – SDAFS History Poster Take-down – Salon D area of Ballroom

# Program Overview III

**Sunday February 24, 2002**

Registration: 7:00 to 11:00 AM, 2<sup>nd</sup> floor Pre-function Area  
8:00 to 10:00 AM – Technical Poster Session – Riverside West

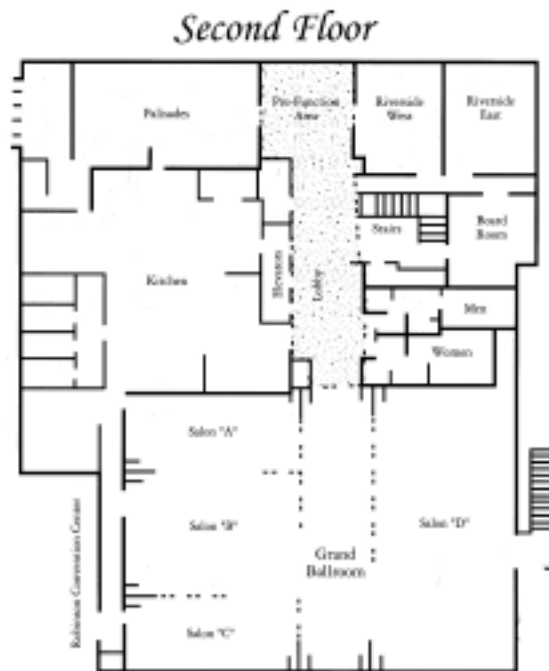
## **Technical Sessions, continued:**

- 8:20 to 10:00 – Habitat Association I – Salon A
- 8:20 to 10:00 – Stream River Management III – Salon B
- 8:40 to 10:00 – Reservoir Management III – Salon C
  
- 8:20 to 10:00 – Aquaculture and Fish Health – Salon D
- 8:20 to 10:00 – The Students' Darter Symposium – Palisades

10:00 to 10:15 – Break

## **Technical Sessions, continued:**

- 10:15 to 11:35 – Habitat Association II – Salon A
- 10:15 to 11:35 – Stream River Management IV – Salon B
- 10:15 to 11:15 – Reservoir Management III – Salon C
- 10:15 to 11:55 – Nongame Fish Session – Palisades



## **AFS Southern Division 50<sup>th</sup> Anniversary Plenary Session: THE BUBBA DIVISION GETS ITS AARP CARD**

### ***Objectives:***

- Kick off fiftieth year celebration·
- Establish an atmosphere of fun·
- Provide an overview of history of division·
- Instill a sense of pride in being a member of the Southern Division·

**9:15 to 9:25 AM – Larry Olmsted – Introduction:** An overview of the anniversary theme and introduction of dignitaries.

**9:25 to 9:40 AM – Rich Noble – Ripples, Tides and Human Impacts: 50 Years of Development of Southeast Fisheries:** A review of the major trends in fisheries in the southeast the last 50 years: proliferation of reservoirs; the profound influence of introduction of forage, predators, and weed control fishes; the increasing importance of public involvement; the evolution of study design and sampling approaches... Emphasis on the change that has occurred in the last 50 years.

**9:40 to 9:55 AM – 15 Minute Break, then Plenary Session Continues...**

**9:55 to 10:10 AM – Mike Allen – The Bubba Division Grows Up: 50 Years of Professional Development:** The fisheries profession's response to the challenges presented in presentation 1: the evolution of state and federal agencies, institutions, management councils, industries, etc.; educational institutions offering fisheries training; and the development of the Coop program.

**10:10 to 10:25 AM – Fred Harris – 50 Years of Accomplishments: Foundations for the Future or Monuments to the Past:** We should be proud to be members of the Southern Division: development of chapters, history of technical committees, and the people that have defined the Southern Division.

**10:25 to 10:40 AM – Scott Van Horn – Tidbits of History:** Tidbits from folks instrumental in establishment and development of Southern Division – get “up close and personal” with some of the patriarchs and matriarchs of the division – people of influence, great screw ups, memorable moments, "if I had it to do over again", words of wisdom for the next generation...

**10:40 to 10:50 AM – Bill Pine – A new professional: “Have I Been Trained Now To Do The Job I Need To Do Over The Next 50 Years?”**

**10:50 to 11:05 AM – An Ancient Fish Squeezer – John Ney – Our Future is Ahead of Us – Challenges and Opportunities for Southeastern Fish Management:** The Changing Angler Clientele... Urbanization and Its Discontents... Dealing with Diversity... Totemization: The Rise of Single-Species Cults... Catch- and-Release R.I.P.... The General Public: Competing Demands and False Perceptions... Multi-use Mania... Clear Lakes = Good Fishing... Anglers are Lowlifes... Changing Resources... Troublesome Species (endangered, invasive, mutant)... Less But Warmer Water... Privatization of Fishing..., Coping with the Human Dimension... Managing the Resource: Same old tools(?) and some new toys (GIS,GPS, DNA, etc.), Plus Lots of Models, and Catchy New Paradigms!... So Who's Going to Do the Work? – Train More Managers!

**11:05 to 11:15 – Jack Wingate – An Outsider's View:** Somebody from another division shares his thoughts on the "Bubba" division and its history.

**Technical Poster Session**  
**Riverside West**  
**Saturday and Sunday, February 23 – 24**

**\*Characteristics, Preferences, and Motivations of First-Time Recreational License Holders in Arkansas.**

*\*Annett D. Williams and John R. Jackson*

**\*Effectiveness of Reclamation on the Recovery of Aquatic Fauna in Black Branch and Cane Creek. \*Deirdre D.**

*Black, Karen Spencer, Elise R. Irwin, and Ted Henry*

**\*The Use of External Radio Transmitters on Blue Catfish. \*Joseph D. Grist, Brian R. Murphy, and Mark Kidd**

**\*Suitcase Sampler for Vegetation-Dwelling Aquatic Macroinvertebrates. \*Chec Colon-Gaud, William E. Kelso, and Adam Peihler**

**\*Habitat Use and Exploitation of the Striped Bass and Hybrid Striped Bass in Claytor Lake, Virginia:**

**Preliminary Findings. \*John M. Kilpatrick and John J. Ney**

**Population Trends of Double-Crested Cormorants within the Catfish Production Areas of Arkansas: 1999-2001.**

*Andrew A. Radomski and Don Freeman*

**Simulated Impacts of Juvenile Mortality on Gulf of Mexico Sturgeon Populations. William B. Tate and Mike**

*Allen*

**Movement of Flathead Catfish in the Missouri River: Examining Opportunities for Managing River Segments for Different Fishery Goals. Vincent H. Travnichek**

**Fishes of Arkansas Database. Alan J. Clingenpeel**

**Community Structure Variability in Sunfishes of the Genus *Lepomis* in Streams of the Upper Piedmont Ecoregion of West Georgia. Jennifer Kelly & Christopher Tabit**

**The Socioreproductive Behavior of the Bloodfin Darter, *Etheostoma sanguifluum*. (Video) Bill Voiers**

**The Socioreproductive Behavior of the Yellowcheek Darter, *Etheostoma moorei*. (Video) Bill Voiers**

Technical Poster Session to be setup Saturday (23rd) morning from 7:00 to 8:00 AM in the Riverside West, to be taken down on Sunday by 11:00 AM. To be attended by presenter during breaks or post a time when you will be at the poster. The Poster-boards are set up for Velcro or pushpins. **\*denotes Student Competition**

**Southern Division American Fisheries Society**  
**50th Anniversary History Poster Session**  
**Saturday, February 23, Salon D, 7:00 to 10:00 PM**

**History of Chapters and Sub-Units**

**\*Historical and Current Aspects of the Texas A&M Chapter.** *\*Christine C. Burgess and Michael N. Morgan*

**A History of the Tennessee Tech Student Fisheries Association: Education through Service.** *Clifford P. Hutt and Andrea Johnson*

**A History of the Virginia Tech Chapter of the American Fisheries Society.** *Anne Hunter*

**Auburn University's Department of Fisheries and Allied Aquacultures: From Farm Ponds to Supercats.** *Jeff Jolley and Auburn Chapter AFS*

**Evolution and History of the Mississippi Chapter's Student Subunit of the American Fisheries Society.** *Peter C. Smiley Jr., John R. Davis, Shelley McNamara, Rohasliney Hashim and Eric D. Dibble*

**A History of the University of Georgia Chapter American Fisheries Society.** *Tom Reinert*

**A History of the Louisiana Chapter AFS.** *Jan Dean*

**A History of the Arkansas Chapter of the American Fisheries Society.** *S.E. Lochmann*

**A History of the Tennessee Chapter American Fisheries Society.** *Doug Peterson, John Taylor, and Larry Wilson*

**A History of the Georgia Chapter of the American Fisheries Society.** *Ronnie J. Gilbert and Thomas R. Reinert*

**A History of the Texas Chapter of the American Fisheries Society-Silver Anniversary.** *Ray Mathews, Jr.*

History Poster Session to be setup in Salon D end of the Ballroom on Saturday (23rd) from 5:30-6:30 PM and taken down from 10-11 PM. These poster boards are Cork, so please use push pins. \* **denotes Student Competition**

**Southern Division American Fisheries Society**  
**50th Anniversary History Poster Session**  
**Saturday, February 23, Salon D, 7:00 to 10:00 PM**

**History of SDAFS, Committees, Agencies, and Research Units**

**Southern Division History--People, Events, and Accomplishments for Its First 50 Years.** *Mike Van Den Avyle and the SDAFS Anniversary Committee*

**History and Role of the Cooperative Research Units Program in the Southern Division of the American Fisheries Society.** *Don Dennerline*

**Developments in Hatcheries and Aquaculture in the Southeast Over the Past 50 Years.** *Ron Southwick and the Aquaculture Technical Committee*

**Historical Overview and Future Emphasis of the U.S. Fish and Wildlife Service Program.** *Linda Kelsey*

**A Recent History of Growth and Development of the UAPB Aquaculture/Fisheries Center.** *Carole Engle*

**A History of the Oklahoma Fishery Research Laboratory.** *Greg Summers*

**Kentucky Department of Fish and Wildlife Resources: A Historical Perspective.** *Jeff Ross and Don Bunnell*

**A History of the Reservoir Committee.** *Mark Oliver*

**A History of the Pollution Committee.** *Ken Shirley and the Pollution Committee*

**A History of the SDAFS Striped Bass Committee.** *Anthony W. Mullis*

**Small Impoundments Committee History.** *Diana L Andrews*

History Poster Session to be setup in Salon D end of the Ballroom on Saturday (23rd) from 5:30-6:30 PM and taken down from 10-11 PM. These poster boards are Cork, so please use push pins. \* **denotes Student Competition**

# Saturday, February 23, 2002, Salon A

## Mussel Symposium I

Moderator: Bill Posey (\* denotes Student Competition)

- 12:35 PM      **Freshwater Bivalves (Unionoida): Distribution, Diversity and Extinction.** *Art Bogan*
- 1:05 PM      **\*Management and Recovery of Endangered Freshwater Mussels: Lessons From the Western Fanshell, *Cyprogenia aberti*.** *\*Jeanne M. Serb*
- 1:25 PM      **\*Mussel Distributions in Lower Bayou Bartholemew, Morehouse Parish, LA.** *\*Jimmy L. Alley Jr. and Frank Pezold*
- 1:45 PM      **\*Reproductive Behavior and Population Dynamics of the Endangered Freshwater Mussel, *Lampsilis streckeri* (Frierson 1927), in the Middle Fork Little Red River, Arkansas.** *\*Rebecca Winterringer, Jerry L. Farris, and John L. Harris*
- 2:05 PM      **Status of the Neosho Mucket (*Lampsilis rafinesqueana*), a Federal Candidate Species.** *Susan O. Rogers*
- 2:25 PM      **\*Reproduction and Propagation of the Neosho mucket, *Lampsilis rafinesqueana*.** *\*Melissa A. Shiver and M. Chris Barnhart*

## Mussel Symposium II

Moderator: Lora Zimmerman

- 3:00 PM      **Electronic Key for Identifying Arkansas' Freshwater Mussel Populations.** *Cristin D. Milam, John L. Harris, Jerry L. Farris, and Lance G. Morris*
- 3:20 PM      **A Survey of Native Mussels in the Sac River System of Missouri.** *Christian A. Hutson, Bryan Simmons, and M. Chris Barnhart*
- 3:40 PM      **Do Mussel Beds Attract Fishes in the Lower White River, Arkansas?** *Jeffrey W. Quinn, William R. Posey II, Shawn Hodges*
- 4:00 PM      **The Effects of Freshwater Mussel Filter-Feeding on Seston and Microbial Biomass and Diversity From A Successful Mussel Refuge.** *Jagruti P. Gandhi, Alan D. Christian, and Jerry L. Farris*
- 4:20 PM      **Longitudinal Distribution and Relative Abundance of Species within Mussel Aggregations of the White River and Ouachita River in Arkansas.** *John L. Harris, Alan D. Christian, William R. Posey II*
- 4:40 PM      **Development of a Geographic Information System (GIS) Database for Native Arkansas Mussels.** *William R. Posey II, Jerry L. Farris, Cristin D. Milam, and John L. Harris*

**Saturday, February 23, 2002, Salon B**

## **Stream/River Management I**

Moderator: Tim Burnley

(\* denotes Student Competition)

- 12:45 PM      **\*Evaluation of Predation by Great Blue Herons as a Source of Trout Mortality on the Upper White River.** *\*Lynn S. Hodgens, James C. Bednarz and Steven C. Blumenshine*
- 1:05 PM      **\*A Survey of the Macroinvertebrates and Brown Trout (*Salmo trutta*) Feeding Habits, Condition and Growth Within the Little Red River.** *\*Travis Harmon and Ronald J. Johnson*
- 1:25 PM      **\*Rainbow Trout Stocking in an Ozark Stream: Trout Survival and Responses of Native Smallmouth Bass.** *\*Maureen G. Walsh, Daniel B. Fenner, and Dana L. Winkelman*
- 1:45 PM      **\*Interaction for Food Resources Between Native Fishes and Introduced Rainbow Trout in an Ozark Stream.** *\*Daniel B. Fenner, Maureen G. Walsh and Dana L. Winkelman*
- 2:05 PM      **\*Evaluation of a Tailwater Population of Flathead Catfish in Alabama.** *\*Jeffrey C. Jolley, Kevin Kleiner and Elise R. Irwin*
- 2:25 PM      **\*The Effects of Streambank Restoration and Reduction of Cattle Access as a BMP on the South Fork of the Spring River.** *\*Lynn Kanieski, Richard Grippo and Ronald Johnson*

## **Stream/River Management II**

Moderator: Steve Filipek

(\* denotes Student Competition)

- 3:00 PM      **\*Effects of Increased Minimum Flow and Stream Temperature on the Growth of Centrarchids of the Ouachita River, Arkansas.** *\*Thomas J. Hungerford and John R. Jackson*
- 3:20 PM      **Turbidity and Ecological Integrity in Streams of the Mississippi Alluvial Plain. Ecoregion: Is There a Relation?** *Billy G. Justus*
- 3:40 PM      **A Basis for Regionalizing Stream Fisheries Management in Eastern Oklahoma.** *William L. Fisher, Ellen C. Tejan and Paul E. Balkenbush*
- 4:00 PM      **Watershed Assessments on the Ouachita National Forest.** *Alan Clingenpeel*
- 4:20 PM      **Assessment Framework for Arkansas' Small Watersheds (<80km<sup>2</sup>) using Aquatic Macroinvertebrates.** *Chris Davidson and Sarah Clem*
- 4:40 PM      **An Index of Biotic Integrity for Fish Assemblages in Wadeable Ozark Highland Streams of Arkansas.** *Daniel C. Dauwalter and Edmund J. Pert*

# Saturday, February 23, 2002, Salon C

## Reservoir Management I

Moderator: Fred Janssen

(\* denotes Student Competition)

- 12:45 PM **Importance of Coarse Woody Debris as Littoral Fish Habitat in Three Carolina Reservoirs.** *D. Hugh Barwick*
- 1:05 PM **\*Fish Populations Associated with Habitat-Enhanced Piers and Woody Debris in Piedmont Carolina Reservoirs.** *\*Robert D. Barwick, Thomas Kwak, Richard L. Noble, and D. Hugh Barwick*
- 1:25 PM **\*Macroinvertebrate Distribution and Abundance in *Hydrilla* and *Ceratophyllum* Habitats.** *\*Chec Colon-Guad and William E. Kelso*
- 1:45 PM **\*Effects of *Hydrilla* Infestation and Management on Food Habits of Age-0 Largemouth Bass *Micropterus salmoides* in the Atchafalaya Basin, LA.** *\*Tory D. Mason and William E. Kelso*
- 2:05 PM **\*A Comparative Evaluation of Striped Bass Egg Production in the Major Tributaries of Lake Texoma.** *\*William P. Baker and Jeff Boxrucker*
- 2:25 PM **\*Striped Bass Summer Daily Use Areas and Movements in a Southeastern Impoundment.** *\*Jason J. Schaffler, J. Jeffery Isely and Gene Hayes*

## Reservoir Management II

Moderator: Mike Allen

(\* denotes Student Competition)

- 3:00 PM **\*Relations Between Zooplankton Availability and Age-0 Black Crappie *Pomoxis nigromaculatus* Abundance in Three Florida Lakes.** *\*Kevin J. Dockendorf and Michael S. Allen*
- 3:20 PM **\*Age, Growth and Food Habits of Blue Catfish in Lake Norman, North Carolina.** *\*Joseph D. Grist and Brian R. Murphy*
- 3:40 PM **\*Development of Mechanistic Models for Description of Larval Yellow Perch Predation Vulnerability in an Ecosystem-Specific Context.** *\*Richard Fulford and James Rice*
- 4:00 PM **\*Diet Analyses of Double-Crested Cormorants and Largemouth Bass in Lake Chicot.** *\*Amy Fenech, S. Lochmann, and A. Radomski*
- 4:20 PM **\*Identification of Piscivore Prey Species Using Dichotomous Key Based on Prey Sagittal Otoliths.** *\*C. Mwatela and S. E. Lochmann*
- 4:40 PM **\*Feeding Behavior of Two Size Groups of Naïve (Pellet-Reared) and Wild Largemouth Bass (*Micropterus salmoides*) in a Laboratory Experiment.** *\*Jarka Frouzova, W.F. Porak and W.E. Johnson*

## Saturday, February 23, 2002, Salon D

### Angling And Anglers I

Moderator: Tom Bly

(\* denotes Student Competition)

- 12:45 PM      **\*Recreational Specialization, Preferences, and Management Attitudes of Tennessee Tailwater Trout Anglers.** *\*Clifford P. Hutt and Phillip Bettoli*
- 1:05 PM      **\*Angler Demographics, Participation, and Attitudes Towards Recreational Fishing at Community-Fishing Ponds in Little Rock and Pine Bluff, Arkansas.** *\*Christopher C. Long and John R. Jackson*
- 1:25 PM      **\*Effects of Young Anglers on Hybrid Bluegill.** *\*Clifton R. Sager and Dana L. Winkelman*
- 1:45 PM      **\*Angling Susceptibility of Spotted Bass in the Buttahatchee River, Mississippi.** *\*Justin Hart and Harold L. Schramm, Jr.*
- 2:05 PM      **Population Characteristics of Riverine Smallmouth Bass in Tennessee and Simulated Effects of Length Limits.** *Frank C. Fiss, T.A. Cleveland, B.D. Carter, R.D. Bivens, and J.M. Swearengin*
- 2:25 PM      **A Case History of Salmonid Fishing Regulations in Great Smoky Mountains National Park: 1934-2001.** *Matt A. Kulp and Steve E. Moore*

### Angling And Anglers II

Moderator: Kelly Russell

- 3:00 PM      **Net Value of Trout Fishing Opportunities in the Clinch River, Tennessee.** *Jeffery S. Williams and Phillip W. Bettoli*
- 3:20 PM      **Evaluating Fishing Effort and Harvest of Flathead Catfish in Lake Carl Blackwell, OK.** *Melissa Willis and Dana L. Winkelman*
- 3:40 PM      **Angler Exploitation and Size Preferences of Flathead Catfish in the Missouri River: Initial Steps at Beginning to Manage for High Quality Fisheries.** *Vincent H. Travnichek*
- 4:00 PM      **An Evaluation of the Hooked On Fishing-Not on Drugs Program in Arkansas.** *John R. Jackson*
- 4:20 PM      **Evaluating the Success of Youth Fishing Outreach Events at Recruiting License Buyers Using a Point-of Sale System in Texas.** *T.O. Smith and Fred Janssen*

## Saturday, February 23, 2002, Palisades

### Habitat And Land Use (Nongame)

Moderator: Mary Freeman

(\* denotes Student Competition)

- 12:45 PM      **\*Relationship Between Land Use and Stream Fish Assemblage Structure at Multiple Spatial Scales in Two Ecoregions of Arkansas.** *\*Mandy K. Scott, Shawn W. Hodges, and Daniel D. Magoulick*
- 1:05 PM      **\*A Comparison of the Effects of Historical and Current Land Use on Fish Populations and Habitat.** *\*Elizabeth P. Garner and Christopher Tabit*
- 1:25 PM      **\*Fish and Habitat Diversity in the Bayou DeLoutre Watershed.** *\*Mark Antwine, Peter Aku and Frank Pezold*
- 1:45 PM      **\*Habitat Associations and Demographics of the Endangered Roanoke Logperch in Three VA Rivers: Implications for Conservation.** *\*Amanda Rosenberger and Paul Angermeier*
- 2:05 PM      **\*Distributions of Fishes of the New River National Gorge, West Virginia, Following Major Flood Events.** *\*David I. Wellman, Jr. and Stuart A. Welsh*
- 2:25 PM      **\*Longitudinal Patterns of Community Structure for Stream Fishes in a Virginia Tailwater.** *\*Anne K. Hunter and C. Andrew Dolloff*

### Nongame Fish and Amphibian Session

Moderator: Kelly Irwin

(\* denotes Student Competition)

- 3:00 PM      **\*Local Movements of American Eels in Shenandoah River, West Virginia.** *\*Stephen D. Hammond and Stuart A. Welsh*
- 3:20 PM      **\*Preliminary Characterization of the Genetic Population Structure of the Tallapoosa Shiner.** *\*Heather Connelly, Christopher Tabit, William Bouthillier, and Leos Kral*
- 3:40 PM      **\*Distribution and Occurrence of Northern Cricket Frog (*Acris crepitans*) Abnormalities in AR Based on 43 Years of Museum Collection Data.** *\*Malcolm L. McCallum and Stanley E. Trauth*
- 4:00 PM      **\*The Status of Rare Fishes in Carroll and Heard Counties, Georgia.** *\*Nikki C. Rupp and Dr. Christopher Tabit*
- 4:20 PM      **Morphological Comparisons of Hatchery-Reared Specimens of *Scaphirhynchus albus*, *S. platyrhynchus*, and *S. albus* x *S. platyrhynchus* hybrids.** *Bernard R. Kuhajda and Richard L. Mayden*
- 4:40 PM      **Combining Inferences from Models of Capture Efficiency, Detectability, and Suitable Habitat to Classify Landscapes for Conservation of Threatened Bull Trout, *Salvelinus confluentus*.** *James T. Peterson and Jason Dunham*

## Sunday February 24, 2002 Salon A

### Habitat Association I

Moderator: Frank Pezold

(\* denotes Student Competition)

- 8:20 AM        **\*Assessment of Short-Term Impacts to Stream Fish Communities and Habitat Associated with Culvert and Bridge Construction in Tennessee.** *\*Robert B. Nichols and S. Bradford Cook*
- 8:40 AM        **\*Habitat Associations with Upland Stream Fish Communities in Bankhead National Forest, Alabama.** *\*Steven L. Powers, Ginger L. Jones, Petra Redinger, and Richard L. Mayden*
- 9:00 AM        **\*Fish Habitat Associations in a Southern Prairie Stream: Implications for Instream Flow Studies.** *\*Michael N. Morgan and Frances P. Gelwick*
- 9:20 AM        **\*Effects of Low-Water Bridges on Fish Community Structure and Population Density in Streams of the Ouachita Mountains.** *\*Shebana Rajput, Charles J. Gagen and Richard W. Standage*
- 9:40 AM        **\*Movement and Passage of American Shad at the New Savannah Bluff Lock and Dam.** *\*M.M. Bailey, J.J. Isely, and D.C. Cooke*

### Habitat Association II

Moderator: Fran Gelwick

(\* denotes Student Competition)

- 10:15 AM       **\*Spawning Activity of Migrating Adult Shortnose Sturgeon in the Pinopolis Lock and Dam Tailrace: Preliminary Results.** *\*M.S. Duncan, J.J. Isely, and D.C. Cooke*
- 10:35 AM       **\*Movement of Migrating Adult Shortnose Sturgeon Artificially Passed Above a Lock and Dam into a Large SE Reservoir: Preliminary Results.** *\*S.S. Finney, J.J. Isely, and D.C. Cooke*
- 10:55 AM       **\*A Behavioral Comparison of Wild and Hatchery-Reared Adult Shortnose Sturgeon in the Savannah River: Preliminary Results.** *\*D.G. Trested, J.J. Isely, and R.S. Bakal*
- 11:15 AM       **\*Fish Habitat Associations Within the Kisatchie National Forest, Louisiana, USA.** *\*James Hardage, David Byrd, and Frank Pezold*

## Sunday February 24, 2002, Salon B

### Stream/River Management III

Moderator: Stan Todd

- 8:20 AM **Texas Water: Will There Be Enough for Fish by the Year 2030?** *Nick C. Parker*
- 8:40 AM **Assessment of Electrofishing Removal Sampling in Small Streams.** *Daniel D. Magoulick*
- 9:00 AM **Periphyton Communities of Ozark Streams and Their Relations to Selected Environmental Factors.** *James C. Petersen and Suzanne R. Femmer*
- 9:20 AM **Looking at All the Angles in Stream Rehabilitation.** *Steve Filipek, Darrell Bowman, Dave Evans, Stephen O'Neal, and Phil Penny*
- 9:40 AM **Fish Assemblages From 1972-2001 on Vache Grasse Creek at Hwy 22 in Sebastian County, AR with Comparisons in 1992 to Streams of Nearby Fort Chaffee Military Base and the Arkansas River.** *Fran Gelwick, Tom Buchanan and William J. Matthews*

### Stream/River Management IV

Moderator: Clifton Jackson

- 10:15 AM **Target Fish Assemblages for Aquatic Restoration: An Example from the Lower Little Tennessee River Basin.** *Mark A. Cantrell, Chris Goudreau, Donley Hill, Wayne Starnes, Douglas A. Nieman, John Boaze, Steve Moore, Mark Fagg*
- 10:35 AM **Brook Trout Restoration, Great Smoky Mountains National Park: History and Future.** *Steve Moore, Matt Kulp, and John Hammonds*
- 10:55 AM **Contribution of Stocked Fingerling Brown Trout in the Lake James Tailrace, North Carolina.** *Doug Besler*
- 11:15 AM **Trout Population Changes Following Habitat Modification in Dry Run Creek.** *David A. Evans and Stan Todd*

**Sunday, February 24, 2002, Salon C**

### **Reservoir Management III**

Moderator: Vic DiCenzo

- 8:40 AM      **Three Decades of Cove-Rotenone Sampling in Tennessee Valley Reservoirs: Implications for Reservoir Aging.** *John Barry Taylor, J. Fred Heitman, and J. Larry Wilson*
- 9:00 AM      **An Historical Perspective of Age and Size Structure of Flathead Catfish in Lake Carl Blackwell, OK.** *Dana L. Winkelman and Melissa Willis*
- 9:20 AM      **Estimating Fish Age: Valid Methods Are Not Enough.** *David L. Buckmeier*
- 9:40 AM      **Comparing Gill-Net Mesh Complements for Sampling Shad in Oklahoma Reservoirs.** *Kurt E. Kuklinski, Jeff Boxrucker and Larry Cofer*

### **Reservoir Management IV**

Moderator: Chris Horton

- 10:15 AM      **Use of Satellite Imagery and GIS to Identify Factors Affecting Plant Re-Establishment in Lake Kissimmee, Florida.** *Kimberly Tugend, Mike Allen and Michael W. Binford*
- 10:35 AM      **Relation of Age-0 Largemouth Bass Abundance and Size to Vegetation Coverage and Water Level in Two Florida Lakes.** *William B. Tate, Mike S. Allen, Randall A. Myers, Eric J. Nagid and James R. Estes*
- 10:55 AM      **Trophy Largemouth Bass Abundance and Harvest in a Central Virginia Impoundment: Implications for Restrictive Slot Limits.** *Vic DiCenzo*

**Sunday, February 24, 2002, Salon D**

**Aquaculture and Fish Health**

Moderator: Steve Lochmann (\* denotes Student Competition)

- 8:20 AM        **\*Characterization of Baitfish Pond Effluents and Receiving Stream Water Quality in Central Arkansas.** *\*Melinda Bodary and Nathan Stone*
- 8:40 AM        **\*Stocker Channel Catfish *Ictalurus punctatus* Production at Three Different Stocking Sizes.**  
*\*Steve Pomerleau and Carole Engle*
- 9:00 AM        **\*Golden Shiner Egg Production over the Spawning Season.** *\*Troy Clemment and Nathan Stone*
- 9:20 AM        **\*Fluctuating Asymmetry as a Measure of Developmental Stability in Golden Shiner, *Notemigonus crysoleucas*, Developing Under Three Different Conditions.** *\*Chris Green and Steve Lochmann*
- 9:40 AM        **Variability in Lipid Class Composition and Size of Golden Shiner Eggs During an Extended Spawning Season.** *Kelly Goodwin, S.E. Lochmann, T. Clemment, N. Stone and R. Lochmann*

# Sunday, February 24, 2002, Palisades

## The Students' Darter Symposium

Moderator: John Harris (\* denotes Student Competition)

- 8:20 AM        **\*Influences of Instream Features on the Dispersal Patterns of Darters.** \**James H. Roberts and Paul L. Angermeier*
- 8:40 AM        **\*Roanoke Logperch (*Percina rex*) Age and Growth: A Comparison Between 3 Populations.**  
\**Nancy V. Lintecum, Amanda Rosenberger, Paul L. Angermeier*
- 9:00 AM        **\*Dominant to Endangered? Historical Changes in Yellowcheek Darter and Associated Fish in the Little Red River Headwaters.** \**Mitch Wine and Steve Blumenshine*
- 9:20 AM        **\*Tag Retention in Reintroduced Species of Selected Darters in the Pigeon River, TN.** \**Joyce A. Coombs, John B. Taylor, Dr. J. Larry Wilson*
- 9:40 AM        **\*Examination of Morphological Variation Among Populations of the Fantail Darter, *Etheostoma (Catonotus) flabellare* (Percidae) from River Drainages of North Carolina, South Carolina, Tennessee and Virginia.** \**Rebecca E. Blanton and Guenter A. Schuster*

## Nongame Fish Session

Moderator: Chris Skelton

- 10:15 AM       **Monitoring and Managing the Endangered Boulder Darter, *Etheostoma wapiti*.** *J.R. Shute and Patrick L. Rakes*
- 10:35 AM       **Physical Habitat Parameters and Population Characteristics of a Spawning Aggregation of the Paleback Darter, *Etheostoma pallidorsum*, in the Caddo River Drainage, Arkansas.** *John L. Harris, Betty G. Crump, and Henry W. Robison*
- 10:55 AM       **Ensuring the Viability of the Strawberry River Orange Throat Darter (*Etheostoma fragi*): The Nature Conservancy's Strategy.** *John D. Stark and Michael Fuhr*
- 11:15 AM       **Natural Hybrids of the Madtoms *Noturus flavus* and *Noturus insignis* from the Monongahela River Drainage, West Virginia.** *Stuart A. Welsh and Dan A. Cincotta*
- 11:35 AM       **Development and Refinement of Propagation and Culture Protocols for the Cahaba Shiner, *Notropis cahabae*, and the Goldline Darter, *Percina aurolineata*.** *Patrick L. Rakes and J.R. Shute*