

Texas Chapter of the American Fisheries Society
Annual Meeting 2004
Hilton College Station & Conference Center
College Station, Texas
February 8, Sunday

- 2:00 – 5:00 PM Registration
- 2:00 – 4:00 PM Identification of small fishes-Dr. Bobby Whiteside, Distinguished Professor Emeritus, Texas State University-San Marcos. Location: Ballroom 4
- 4:30 – 5:30 PM Student Workshop. Location: Ballroom 4
- 6:30 PM Professional/Student Mixer. Location: Fox & Hound, 505 University Drive East, College Station, TX 77840 (979) 846-0211; 2 blocks from the Hilton.

Regular Session- February 9, Monday, Location: Ballroom IV

- 8:00 AM WELCOME
- 8:15 AM Association between brush cover and stream fish assemblages in the Pedernales River Basin, Texas: preliminary findings. Jenny S. Birnbaum and Kirk O. Winemiller
- 8:30 AM Sample size requirements for estimating mean length-at-age, von Bertalanffy growth parameters, and age structure of largemouth bass populations. David L. Buckmeier and J. Warren Schlechte
- 8:45 AM Reducing predation on stocked largemouth bass fingerlings. David L. Buckmeier, J. Warren Schlechte, and Robert K. Betsill
- 9:00 AM Tidal streams use attainability analysis study. Greg Conley, Cindy Contreras, Janet Nelson, Jim Tolan, and Adam Whisenant
- 9:15 AM The effects of propeller scarring on seagrass associated fauna. Dana D. Burfeind and Gregory W. Stunz
- 9:30 AM Fish assemblages and richness in three tributaries of the Neches River drainage. William Dailey and André M. Landry, Jr.
- 9:45 AM A population dynamics model for prairie stream fishes using emerald shiner as a test species Bart W. Durham and Gene R. Wilde
- 10:00 - 10:30 BREAK – Mockingbird Room**
- 10:30 AM Discovery of a new population of Devils River minnow *Dionda diaboli*, with implications for its conservation. Gary P. Garrett, Robert J. Edwards, Clark Hubbs
- 10:45 AM Catch-and-release mortality of spotted seatrout. Gregory W. Stunz
- 11:00 AM Mapping of oyster reefs and anthropogenic impacts in Lavaca Bay, Texas. Josh Harper, James Simons, Tim Dellapenna, Jason Bronikowski, William Sager, and Mary Patch

- 11:15 AM Use of a catch-and-release-only regulation to enhance a trophy largemouth bass fishery at Gibbons Creek Reservoir, Texas. Jeffrey C. Henson
- 11:30 AM Fish assemblage structure of Texas streams: Local vs. regional factors. David J. Hoeinghaus, Jenny S. Birnbaum, and Kirk O. Winemiller
- 11:45 AM Application of the nursery-role concept to an estuarine fish. Richard T. Kraus and David H. Secor
- 12:00 PM Parasites of juvenile red drum *Sciaenops ocellatus* from Aransas Bay, Texas. Rosanna Lopez, Jaime Svadlenka, Stephen Curran, and M. Andres Soto
- 12:15 – 1:30 LUNCH – on your own**
- 1:30 PM Swimming ability of selected freshwater fishes. Tracy R. Leavy and Timothy H. Bonner
- 1:45 PM Fish communities in habitats of San Felipe Creek in the city of Del Rio, Valverde County, Texas. Hernán López-Fernández and Kirk O. Winemiller
- 2:00 PM Preliminary investigation of the use of daily growth increments in the sagittal otoliths of blackfin tuna *Thunnus atlanticus* for age determination. Michael R. Lowe, Jay R. Rooker, Gary A. Gill, and Yan Cai
- 2:15 PM Effects of salinity on the survival and growth rate of juvenile pinfish *Lagodon rhomboids*. Natalie Ibarra, Virginia Shervette, and Frances Gelwick
- 2:30 PM The effects of a hypersaline lagoon on the symbiont assemblages of brown shrimp *Farfantepenaeus aztecus*. Vanessa Perez, Jose Antonio Rodriguez, Stephen Curran and M. Andres Soto
- 2:45 PM Comparing survival, growth and catchability between Florida largemouth bass from the Homosassa River and broodfish at Texas Parks and Wildlife Hatcheries. John A. Prentice and J. Warren Schlechte
- 3:00 – 3:30 BREAK – Mockingbird Room**
- 3:30 PM Phenotypic plasticity and performance in red drum *Sciaenops ocellatus*. Clifton B. Ruehl and Thomas J. DeWitt
- 3:45 PM Conservation genetics of spotted seatrout *Cynoscion nebulosus* in the Gulf of Mexico. Rocky Ward, Kevin Bowers, William J. Karel, Brandon Mobley, and Rebecca Hensley
- 4:00 PM Evaluation of methods for establishing native aquatic vegetation in seven Texas reservoirs. Mark A. Webb, R. M. Smart, R. A. Ott, Jr.
- 4:15 PM Development of a largemouth bass hooking mortality model. Gene R. Wilde and Kevin L. Pope
- 4:30 PM Spatial and temporal variation in fish assemblages: implications for index of biotic integrity. Casey S. Williams and Timothy H. Bonner
- 4:45 PM Temporal variation in fish assemblage structure in relation to habitat disturbance and environmental variability in Brazos River oxbow lakes. Steven C. Zeug, Kirk O. Winemiller, and Soner Tarim
- 5:00 PM Comparative growth of pinfish in field mesocosms across marsh, oyster, and soft-bottom habitat types in a Mississippi estuary. Virginia Shervette and Frances Gelwick

7:00 PM TCAFS Banquet and Auction. Location: Oakwood Ballroom

February 10, Tuesday

8:00 AM TCAFS Business Meeting. Location: Ballroom IV

**POSTER PRESENTATIONS
(Mockingbird Room)**

1. Lab evaluation of a bioenergetics model for inland silverside. Huber, C. G., C. J. Chizinski, and K. L. Pope
2. Resource use among sympatric Lepisosteidae species in the middle Brazos River and associated oxbows Clinton Robertson, Steve Zeug, and Kirk Winemiller
3. Parasites of juvenile atlantic croaker *Micropogonias undulatus* from Texas. Jaime Svadlenka, Rosanna Lopez, Stephen Curran, and M. Andres Soto
4. Effects of fluctuating temperatures and trematode infection on reproduction of the fountain darter. Dusty L. McDonald, Timothy H. Bonner, and Thomas M. Brandt
5. Susceptibility of fountain darter age groups to mortality by an exotic trematode *Centrocestus formosanus*. Dusty L. McDonald, Timothy H. Bonner, Thomas M. Brandt, and Guadalupe H. Trevino
6. Effect of disinfectants and antivirals on the infectivity and replication of largemouth bass virus. Brian A. Scott and Gary M. Aron.
7. Mercury content in different fishes from the Gulf of Mexico. Yan Cai, Jay Rooker, and Gary Gill
8. Economic value of fishing at a low-use reservoir. Christopher J. Chizinski, Kevin L. Pope, David B. Willis, Gene R. Wilde, and Edwin J. Rossman