

Texas Chapter of the American Fisheries Society
Annual Meeting 2003
Galveston, Texas

January 27, Monday

- 1:30 – 2:30 PM Invasive Exotic Species in Texas Waters; Examples and Identification
2:30 – 3:30 PM Aquatic Nuisance Species – Hazard Assessment Critical Control Point
7:00 PM Professional/Student Mixer.
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January 28, Tuesday

Symposium: Recent Advances in Marine Fisheries Research

Moderator: Jay Rooker

- 8:00 AM WELCOME
- 8:15 AM SELECTION OF ESTUARINE NURSERY HABITATS BY WILD-CAUGHT AND HATCHERY-REARED JUVENILE RED DRUM. Gregory W. Stunz, Thomas J. Minello, Phillip S. Levin
- 8:30 AM ACOUSTIC ARRAY TO SURVEY RED DRUM SPAWNING SITES IN THE GULF OF MEXICO. Scott A. Holt
- 8:45 AM EFFECTS OF HABITAT ON GROWTH PERFORMANCE OF CAGED HATCHERY-PRODUCED RED DRUM. R. R. Vega, W. H. Neill, and J. M. Miller
- 9:00 AM EVALUATION OF STOCKING SUCCESS IN MARINE WATERS: GENE-MARKING OF RED DRUM AND SPOTTED SEATROUT FINGERLINGS RELEASED INTO TEXAS BAYS. Rocky Ward, William J. Karel, and Ivonne R. Blandon
- 9:15 AM HOW DO DIEL FLUCTUATIONS IN TEMPERATURE AND DISSOLVED OXYGEN IN SEAGRASS BEDS AFFECT GROWTH OF RED DRUM *SCIAENOPS OCELLATUS* LARVAE? R. Perex-Dominguez and G. J. Holt
- 9:30 AM EFFECTS OF THE CURRENTLY USED HERBICIDE ATRAZINE ON LARVAE RED DRUM *SCIAENOPS OCELLATUS* ENVIRONMENTAL PERFORMANCE. María del Carmen Alvarez and Lee A. Fuiman
- 9:45 AM THE EFFECT OF PREY SWIMMING BEHAVIOR ON PREY-CAPTURE KINEMATICS AND FEEDING PERFORMANCE IN MARINE-FISH LARVAE. Jessica L. Beck
- 10:00 - 10:30 BREAK**
- 10:30 AM LIPID NUTRITION AND FEEDING OF COBIA *RACHYCENTRON CANADUM* LARVAE. Cynthia K. Faulk and G. Joan Holt

- 10:45 AM ICHTHYOFAUNAL SPECIES DIVERSITY AND SIMILARITY INDICES AMONG EIGHT SITES SAMPLED FOR YOUNG-OF-THE-YEAR TARPON *MEGALOPS ATLANTICUS* IN TEXAS SALTMARSH HABITAT. William Dailey and André M. Landry, Jr.
- 11:00 AM BIOACCUMULATION OF METHYL MERCURY IN PELAGIC FISHES. Jason P. Turner, Jay R. Rooker, Gary A. Gill, and Scott A. Holt
- 11:15 AM GENETIC CHARACTERIZATION OF FISH POPULATIONS: WHAT DNA CAN (AND CAN'T) TELL YOU ABOUT THE BIOGEOGRAPHY, REPRODUCTIVE BIOLOGY AND PHYLOGENETICS OF TUNAS AND BILLFISHES. Jaime R. Alvarado Bremer and Tiffany Farnham
- 11:30 AM USING PARASITES TO ACCESS THE IMPACT OF HYPERSALINITIES ON FISH AND CRUSTACEAN POPULATIONS. M. Andres Soto, Steven Curran, Steven A. Bullard
- 11:45 AM TROPHODYNAMICS OF PLATFORM REEF FISHES IN THE NORTHWESTERN GULF OF MEXICO. Carl R. Beaver
- 12:00 PM EFFECTS OF HABITAT HETEROGENEITY ON REEF FISH DISTRIBUTIONS. Ronald L. Hill, Richard S. Appeldoorn, Conrad W. Recksiek, Francisco E. Pagan, and George D. Dennis

12:15 – 1:30 LUNCH

Regular Session

Moderators: Joe N. Fries and Timothy H. Bonner

- 1:30 PM PREVENTION OF SURFACE DEATH OF MARINE FISH LARVAE BY THE ADDITION OF EGG WHITE INTO REARING WATER. Tatsuya Kaji, Masaaki Kodama, Hiroshi Arai, Masaru Tanaka, and Masatomo Tagawa
- 1:45 PM PUBLIC OPINION AND SUPPORT OF AN URBAN FISHERY PROGRAM IN LUBBOCK, TEXAS. Monte J. Brown, Felix Martinez Jr., Kevin L. Pope, and Gene R. Wilde
- 2:00 PM SHORT-TERM MORTALITY AND DISPERSAL OF STOCKED FINGERLING LARGEMOUTH BASS. David L. Buckmeier, Robert K. Betsill, and J. Warren Schlechte
- 2:15 PM FISH AS INDICATORS OF HABITATS IN THE SOUTH SULPHUR RIVER. Christine C. Burgess and Frances P. Gelwick
- 2:30 PM TEMPERATURE EFFECTS ON GONADAL AND SOMATIC GROWTH OF CHANNEL CATFISH Michael Todd Byerly, Reynaldo Patiño, and Robert K. Betsill
- 2:45 PM EVALUATION OF AN OYSTER REEF CLOSURE TO COMMERCIAL FISHING IN GALVESTON BAY, TEXAS. Jan Culbertson and Lance Robinson

3:00 – 3:30 BREAK

- 3:30 PM THE IDENTIFICATION OF POLYMORPHIC MICROSATELLITE DNA LOCI IN LARGEMOUTH BASS. Dijar J. Lutz-Carrillo, Loriane T. Fries, and Timothy H. Bonner
- 3:45 PM PRESENCE OF *PRYMNESIUM PARVUM* IN POSSUM KINGDOM RESERVOIR. Joan Glass

- 4:00 PM TELEPHONE SURVEYS FOR RECREATIONAL FISHING EFFORT: RANDOM DIGIT DIALING VERSUS AN ANGLER LICENSE FRAME. Gerry W. Gray, J. Warren Schlechte, John F. Witzig, and Alan B. Lowther
- 4:15 PM LONGEVITY OF HYBRID STRIPED BASS IN A WEST TEXAS RESERVOIR. Galen D. Jons and Spencer C. Dumont
- 4:30 PM EFFECT OF CATCH-AND-RELEASE FISHING ON GROWTH OF LARGEMOUTH BASS. Kevin L. Pope and Gene R. Wilde
- 4:45 PM PATTERNS IN STREAM FISH ASSEMBLAGES INHABITING THREE INDEPENDENT DRAINAGE BASINS ON PEASON RIDGE WILDLIFE MANAGEMENT AREA, FORT POLK (U. S. ARMY), LOUISIANA. Tracy Leavy, Casey S. Williams, Danny Hudson, and Timothy H. Bonner
- 7:00 PM TCAFS Banquet and Auction.**
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January 29, Wednesday

Regular Session

Moderator: Aaron Barkoh

- 8:00 AM A TEST OF COMPENSATORY REPRODUCTION IN THE FOUNTAIN DARTER ALONG A TEMPERATURE GRADIENT. Dusty McDonald and Timothy H. Bonner
- 8:15 AM 2002 TEXAS ABANDONED CRAB TRAP REMOVAL PROGRAM. Artussee D. Morris
- 8:30 AM SPECIES COMPOSITION, DIVERSITY, AND RELATIVE ABUNDANCE OF FISHES, MACROCRUSTACEANS, AND PLANKTON IN THE CEDAR BAYOU INTAKE CANAL, COOLING POND, AND ADJACENT WATERS OF GALVESTON BAY IN CONJUNCTION WITH THE CEDAR BAYOU ELECTRIC GENERATING STATION, NEAR BAYTOWN, TEXAS. Kurtis K. Schlicht
- 8:45 AM THE RESPONSE OF GRASS CARP TO A HIGH FLOW EVENT IN A TEXAS RESERVOIR. Chad Thomas, Brad Littrell, Timothy H. Bonner, and Thomas Arsuffi
- 9:00 AM LONGITUDINAL DISTRIBUTION AND HABITAT ASSOCIATIONS OF REGIONALLY ENDEMIC FISHES IN EAST TEXAS AND CENTRAL LOUISIANA STREAMS. Casey S. Williams, David Byrd, and Timothy H. Bonner
- 9:15 AM AN OVERVIEW OF THE GROWING NUMBERS OF INDOCHINESE SEAFOOD DEALERS AND COMMERCIAL FISHERMEN BASED ON LICENSE SALES AND LANDINGS. Jeff Winchester and Rebecca Hensley
- 9:45 AM TCAFS Business Meeting**

POSTER PRESENTATIONS

1. DEFINING AN UN-IONIZED AMMONIA SPECTRUM FOR CONTROL OF THE TOXIC ALGA *PRYMNESIUM PARVUM* IN SUNSHINE BASS PRODUCTION PONDS. Aaron Barkoh, Dennis Smith, J. Warren Schlechte, and John Paret.
2. ASSESSING FLORIDA LARGEMOUTH BASS INTROGRESSION IN TEXAS RESERVOIRS: EFFICIENT SAMPLING FROM OBSERVING SPATIAL HETEROGENEITY Robert K. Betsill, J. Warren Schlechte, and David L. Buckmeier.
3. DETERMINING EFFECTIVE AND EFFICIENT STOCKING RATES FOR LARGEMOUTH BASS. David L. Buckmeier, J. Warren Schlechte, and Robert K. Betsill
4. REGIONAL VARIATION IN GROWTH OF CHANNEL CATFISH IN TEXAS. Bart W. Durham, Gene R. Wilde, and Kevin L. Pope
5. THE ABUNDANCE OF THE WESTERN GULF STONE CRAB IN NUECES BAY AND LAGUNA SALADA. Clarisa Y. Garcia, Vanessa C. Perez, and M. Andres Soto
6. BLOOMS OF THE ICHTHYOTOXIC FLAGELLATE *PRYMNESIUM PARVUM* IN U.S. WATERS. AN EMERGING PROBLEM? Joan Glass, Jack Ralph, Alan Lewitus, Paul Zimba, and Carmelo Tomas
7. BIOENERGETICS FOR INLAND SILVERSIDES. Caleb G. Huber, Chris J. Chizinski, and Kevin L. Pope.
8. TEMPORAL AND SPATIAL GUT ANALYSIS OF THE SABINE SHINER FROM EAST TEXAS AND LOUISIANA. Maureen Keegan and Timothy H. Bonner
9. FOOD HABITS OF LARGEMOUTH BASS AND SPOTTED BASS. Felix Martinez Jr., Chris J. Chizinski, Kevin L. Pope, Casey L. Harthorn, and Shawn Denny
10. DEVELOPMENT OF HISTOPATHOLOGY LABORATORY AND PRELIMINARY STUDIES TO DETERMINE THE PREVALENCE OF VIRUSES IN PENAEID SHRIMP. Vanessa C. Perez and M. Andres Soto.
11. GUT ANALYSIS OF THE HEADWATER CATFISH FROM TWO WEST TEXAS STREAMS. Chad Thomas, Jackie Watson, Brad Littrell, and Timothy H. Bonner
12. SOME PARASITES OF BLACK DRUM FROM LAGUNA SALADA, TEXAS. Monica C. Elizondo, Lance Tompkins, Steven Curran, M. Andres Soto
13. THE EFFECT OF VISIBLE IMPLANT ELASTOMER TAGS ON GROWTH AND SURVIVAL OF JUVENILE BLUE CRABS *CALLINECTES SAPIDUS*. Suraida Nañez-James and Thomas J. Minello