



The Newsletter of  
the Texas Chapter of  
the American Fisheries Society



Special Edition

August 1993

### ANNUAL MEETING NEWSFLASH!

The 1993 Annual Meeting will be held at the UTMSI in Port Aransas, Texas. Registration will begin at 9 AM on 16 September, followed by the Technical Session beginning around 1 PM. The Business Meeting will be held on the morning of 17 September, followed by the Special Symposium, "Fish Stockings - Pros and Cons." We should adjourn around noon.

Overnight accommodations may still be available at the Executive Keys by calling 1-800-248-1095. Those wishing to stay at the UTMSI dormitories should make reservations about 1 week before the meeting by calling 512-749-6729. A \$15 per night cost includes bed linens and bath towels. There also are several motels in the Port Aransas area.

Preliminary reports indicate that the fishing is great so plan on coming early or staying late. See you there.



### FINAL CALL FOR PAPERS

Members planning to present papers (20 minutes maximum) during the 1993 Annual Meeting should send abstracts to:

Gary Garrett  
TPWD-HOH Research Station  
HC 7, Box 62  
Ingram, Texas 78025

by **31 August 1993.**

The format should follow the **Transactions of the American Fisheries Society**. Abstracts will be published in the **Proceedings of the Texas Chapter of the American Fisheries Society**, Volume 16.

### WE NEED NOMINATIONS FOR PRESIDENT, VICE-PRESIDENT, AND SECRETARY-TREASURER!

Send or phone your nominations **today** to:

Bobby G. Whiteside  
Southwest Texas State University  
San Marcos, Texas 78666  
512-245-2284

### LAST REQUEST FOR AWARDS NOMINATIONS

The Awards Committee requests written nominations for individuals to receive awards at the 1993 chapter meeting. Nominate someone who deserves an award for their outstanding fisheries-related work. Selections will be based on information in the nomination letters (make 'em good). Nominations can be made only by members in good standing. The deadline for receiving nominations is **3 September 1993.**

The awards include:

"**Outstanding Fisheries Worker of the Year in Texas**" in each of these five areas: Administration, Culture, Management, Research, and Education. The recipient must be a member in good standing.

"**Special Recognition in Fisheries Work**". The recipient may or may not be a member; recipient may be an individual or an organization.

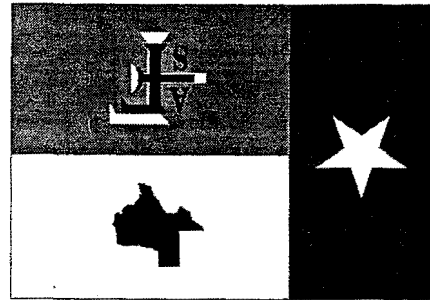
Send **written** nominations to:

Joe Warren  
TPWD, Route 1  
Electra, Texas 76360  
817-568-0105

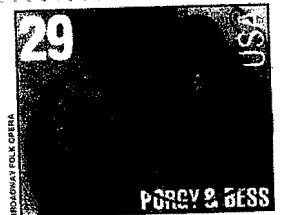
Ken Kurzawski  
4200 Smith School Rd.  
Austin, Texas 78744  
512-389-4591



**THE AMERICAN FISHERIES SOCIETY**  
**THE TEXAS CHAPTER OF**  
**THE NEWSLETTER OF**

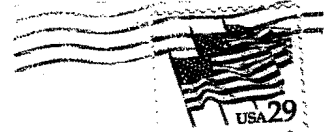


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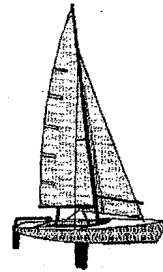
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Roger McCabe  
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*Spawning? How determined  
Dyfl - 1 miler? How determined  
Advises continually monitored?*



# 1993 ANNUAL TCAFS MEETING PROGRAM

**1993**

**ANNUAL MEETING**

**TEXAS**

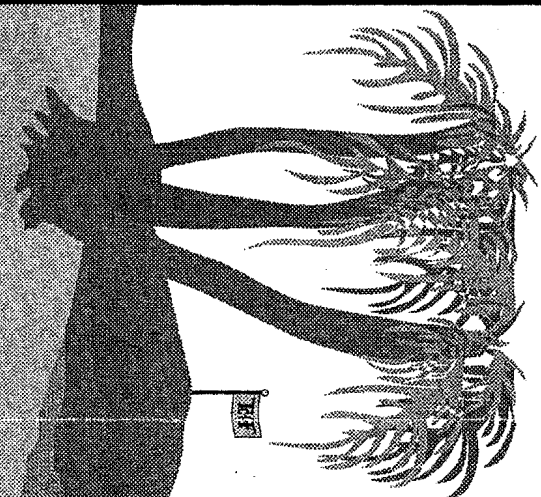
**CHAPTER**

**of the**

**AMERICAN**

**FISHERIES**

**SOCIETY**



**UTMSI PORT ARKANSAS, TEXAS 16-17 SEPTEMBER 1993**

16 September 1993

8:00 REGISTRATION

TECHNICAL SESSION

10:00 PRE- AND POST-SPAWNING BLOOD CHEMISTRIES OF FLORIDA LARGEMOUTH BASS: PRELIMINARY RESULTS

Katherine T. Ramos, Loraine T. Fries, and Steven C. Hamby

10:15 HABITAT SELECTION BY IMMIGRATING LARVAL FISH IN A SOUTH TEXAS ESTUARY

Scott A. Holt and Jim Tolan

10:30 AN ATTEMPT TO DEMONSTRATE SOLUNAR INFLUENCE ON ANGLING RESULTS

Ralph Manns

10:45 AN EVALUATION OF LOW-DENSITY TRIPLOID GRASS CARP STOCKING IN SMALL SPORTFISHING IMPOUNDMENTS TO CONTROL SUBMERGED VEGETATION

Brian G. Blackwell and Brian R. Murphy

11:00 ETHICS OF BIODIVERSITY CONSERVATION

E. Phil Pister

11:30 LUNCH

13:00 ECONOMIC EVALUATION OF SPORTFISH LEASING OPPORTUNITIES

Billy J. Higginbotham and Greg M. Clary

13:15 GIZZARD SHAD SPAWNING PERIOD IN MEREDITH RESERVOIR, TEXAS

Charles R. Munger

13:30 IMPROVED HATCH OF KOI CARP EGGS AFTER TREATMENT WITH FORMALIN

Susan L. Froelich and Loraine T. Fries

13:45 LINED VS. UNLINED PONDS IN STRIPED BASS PRODUCTION

Joe N. Fries, Loraine T. Fries, and Steven C. Hamby

14:00 THE FISH COLLECTION OF THE TEXAS NATURAL HISTORY COLLECTION AND ITS AVAILABILITY ONLINE TO THE GENERAL RESEARCH COMMUNITY

Dean A. Hendrickson

14:15 IDENTIFICATION OF EASILY CONFUSED SHARKS OF THE TEXAS COAST USING ISOELECTRIC FOCUSING

R. Ward, I. R. Blandon, and T. L. King

14:30 OBSERVATIONS OF MOVEMENT/FEEDING PATTERNS OF EXTRA-LARGE LARGEMOUTH BASS

John Hope and Ralph Manns

14:45 BREAK

15:00 ONTOGENETIC SHIFTS IN DIET, HABITAT AND DIEL FEEDING PERIODICITY OF SCHOOLMASTER SNAPPER (*Lutjanus apodus*)

Jay R. Rooker

15:15 ANALYSIS OF FISHERIES DATA USING CLASSIFICATION AND REGRESSION TREES

Gene R. Wilde

15:30 EVALUATION OF LARVAL RED DRUM (*Sciaenops ocellatus*) RELEASES FOR STOCK ENHANCEMENT

Scott A. Holt and Cameron M. Pratt

15:45 OBSERVATIONS OF ABNORMALITIES IN LARGEMOUTH BASS FRY EXPOSED TO ARSENIC CONTAMINATED WATER

R. Carrier, M. Stacell, and M. Webb

16:00 ASSESSMENT OF SELECTIVE NEUTRALITY FOR THREE ESTERASE D\* PHENOTYPES IN SELECTIVELY BRED F<sub>1</sub> RED DRUM (*Sciaenops ocellatus*)

Ivonne R. Blandon, Rocky Ward, and Tim L. King

16:15 A COMPARISON OF TWO PHOSPHOROUS CONCENTRATIONS FOR FERTILIZATION OF FLORIDA BASS SPAWNING PONDS

Gerald Kurten

16:30 FREE AMINO ACIDS AND SALINITY STRESS IN RED DRUM LARVAE

Liz Young-Abel and G. Joan Holt

18:00 DINNER, SOCIAL, RAFFLE, AND AUCTION  
(Robert's Point Pavillion)

17 September 1993

8:30 BUSINESS MEETING

9:30 BREAK

10:00-13:00

SPECIAL SYMPOSIUM  
FISH STOCKINGS - PROS AND CONS

Guest Speakers:

Brian Murphy - Texas A&M University  
David Philipp - Illinois Natural History Survey  
Joan Holt - University of Texas Marine Science Institute  
Gary Carmichael - U. S. Fish and Wildlife Service  
Phil Pister - Desert Fishes Council  
Wayne Boyd - Texas Association of Bass Clubs  
Roger McCabe - Texas Parks and Wildlife Department

Can I.D. specimens