

18th Annual Meeting
Florida Chapter of the American Fisheries Society
10 March to 12 March, 1998
Withlacoochee Training Center
Brooksville, Florida

The Florida Chapter of the American Fisheries Society will hold its 18th annual meeting 10 March to 12 March, 1998 at the Withlacoochee Training Center near Brooksville, Florida. The Florida Chapter was organized in 1980 to promote the wise use of Florida's aquatic resources. Membership in the Chapter and participation in the annual meeting is open to anyone with an interest in the fish and aquatic resources of Florida.

Meeting: The theme of this year's meeting is *Freshwater and Marine Fisheries Enhancement: A Realistic Examination*. A number of authors will make presentations on stock enhancement programs, problems, and future directions. In addition to these topics, there will be a compliment of contributed papers on a variety of topics.

This is also the Chapter's annual business meeting. This is a opportunity to help decide the future of the Chapter. One subject to be discussed at the meeting is the possibility of joint meetings or symposia with the Georgia and South Carolina Chapters.

There will be bonfire socials Tuesday and Wednesday nights, and the Florida Chapter raffle Wednesday night. The meeting is a excellent time to renew old acquaintances, meet other fisheries scientists, and exchange information.

Location: The 600-acre Withlacoochee Training Center is approximately 10 miles north of Brooksville on US Highway 41. The Training Center has heated and air conditioned, dormitory-style accommodations for 96. There are motels available in Brooksville and Floral City in case of overflow. Meals are served in the buffet-style dining room. The staff of the Training Center will make every effort to accommodate special diets, so if you have a preference for vegetarian meals or require a some other diet, please make note on the registration form.

The Training Center has a recreation building available for use after the meeting. McKethan Lake recreational area is within walking distance and features boating, picnicking, hiking, fishing, and self-guided nature trails.

Student Travel Grants: The Florida Chapter has a limited number of student travel grants available to assist students attending the meeting. These grants cover the cost of room and board only. The student is responsible for the registration fee. The Florida Chapter gives preference to students who are presenting papers at the meeting, but a presentation is not required. Apply to **Bob McMichael**, Florida Marine Research Institute, 100 8th Avenue SE, St. Petersburg, FL

33701-5095; (813) 896-8626.

More Information: Contact **R. Grant Gilmore**, President Elect Florida Chapter AFS, if you need more information. He can be reached at Harbor Branch Oceanographic Institution, Inc., 5600 US Highway 1, Ft. Pierce, FL 34946; (561) 465-2400 ex 203; rggilmore@juno.com or rggilmorej@aol.com.

Tentative Meeting Agenda

10 March 1998

1200-1300 Lunch

1300-1700 Registration

1300-1700 Technical Session

1715-1830 Dinner

1900-???? Bonfire Social

11 March 1998

0630-0730 Breakfast

0800-1700 Registration

0800-1000 Freshwater and Marine Fisheries Enhancement

1000-1020 Break

1020-1200 Freshwater and Marine Fisheries Enhancement

1200-1300 Lunch

1300-1500 Freshwater and Marine Fisheries Enhancement

1500-1520 Break

1510-1700 Technical Session

1715-1830 Dinner

1900-2030 Business Meeting

2030-???? Florida Chapter Raffle, Bonfire Social

12 March 1998

0630-0730 Breakfast

0800-1200 Registration

0800-1000 Technical Session

1000-1020 Break

1020-1200 Technical Session

1200-1300 Lunch

1300-???? Technical Session (if necessary), Florida Chapter Awards

Freshwater and Marine Fisheries Enhancement: A Realistic Examination

Partial List of Presenters as of 1/21/98

T.R. Capo, J.E. Serafy, J.S. Ault and A.E. Boyd. Biscayne Bay stock enhancement: The spotted seatrout alternative?

R. G. Gilmore. Survival and behavior of hatchery raised striped mullet, *Mugil cephalus*, released into an impounded mangrove forest.

C. Mesing. Performance evaluation of Gulf vs Atlantic striped bass in Lake Talquin.

R. Long. Restoration of native striped bass in the Apalachicola - Chattahoochee - Flint River system.

R. Glazer and R. Jones. Temporal factors influencing survival of hatchery- raised queen conch outplants.

S.B. Kennedy, J.W. Tucker, Jr., C. L. Neidig, G.K. Vermeer, V. R. Cooper, J.I. Jarrell, H.Hoier and D.G. Sennett. Bacterial balance in reared marine fish: case studies with common snook, striped mullet, spotted seatrout, and red drum.

K.M. Leber. Approach and effectiveness of marine stock enhancement in Hawaii.

K.M. Leber, J.M. Miller and S.A. Serfling. Preliminary results from hatchery releases of common snook, *Centropomus undecimalis*, in Florida.

J. M. Miller, W.H. Neill, and K.M. Leber. Testing ecological hypotheses through stocking marine fishes.

C. L. Neidig D.P. Skapura and H.J. Grier. Methods to improve production of common snook, *Centropomus undecimalis* (Bloch) for stock enhancement.

John M. Ransier, Ken Leber and William Halstead. Florida Department of Environmental Protection's red drum stock restoration in Biscayne Bay, Florida: The creation of a fishery?

John M. Ransier and Clyde Dennis. Preliminary observations of retention and durability of three floy internal-anchor/external streamer tags in hatchery-reared red drum, *Sciaenops ocellatus*.

Joseph E. Serafy, Jerald S. Ault and Thomas R. Capo. Survivorship of pond-reared early juvenile red drum released into Biscayne Bay, Florida.

Mike Tringali and Theresa M. Bert. Genetic determination of the relative reproductive contributions of individual GnRH-implanted red drum to hatchery broods.

J. W.Tucker, Jr., D.G. Sennett, S.B. Kennedy, and P.N. Woodward. Culture of warmwater marine fish for farming and stocking: An overview of methods.

Gregory K. Vermeer. Certification standards and diagnostic protocols for marine fish stock enhancement.

Contributed Papers

Partial List of Presenters as of 1/21/98

V. K. Adicks and C. E. Cichra. Seasonality of Juvenile and Small Fish Populations of Alligator Pass, Suwannee River, Florida

R. J. Allman, C. B. Grimes, C. C. Koenig and F. C. Coleman. The temporal and spatial dynamics of spawning, settlement and growth of the gray snapper (*Lutjanus griseus*) determined using otolith microstructure.

A. W. David., C. B. Grimes, C. C. Koenig and F. C. Coleman. Latitudinal variation in life history traits of juvenile lane snapper, *Lutjanus synagris*, in west Florida estuaries.

D. A. Davis and R. G. Gilmore. Diel movements and microhabitat selection in common snook, *Centropomus undecimalis*, and tarpon, *Megalops atlanticus*.

A. P. Diller. Loggerhead sea turtle (*Caretta caretta*) nesting on Gulf Islands National Seashore Florida District.

A. Gaisiner. Reproductive ecology of the clown goby, *Microgobius gulosus*, a gobiid fish that does not provide male parental care.

C.A. Klassen. The utilization of a Florida salt marsh mosquito impoundment by transient fish species.

J. J. Lament. Growth differences between introduced populations of *Cichlasoma urophthalmus* based on otolith mass.

B. P. Whitlock, R. A. Krause and W. A. Bennett. An overview of potential factors prompting differential growth of largemouth bass in brackish and freshwater habitats.

M. Wunderly and W. A. Bennett. History and distribution of the *Perkinsus marinus* parasite in Gulf coast oysters.

J. C. Wyda and R. G. Gilmore. The influence of predation risk on substrate selection by the juvenile mojarra, *Eucinostomus gula* and *Diapterus auratus*.

W. A. Bennett and T. L. Beiting. Extreme low-oxygen tolerance and use of hypoxic habitats by juvenile longear sunfish in an intermittent stream.

S.A. Bortone, R. Turpin, R. Cody and C.M. Bundrick. The impact of artificial reef fish assemblages on their potential forage area.

D. O. Conover. Recruitment of bluefish *Pomatomus saltatrix* along the U.S. Atlantic coast: tactics, dynamics, and impact on prey species.

C. Cooksey, K. Blich, M. DeHaven, J. Malbrough, W. Leavens, and F. Vose. Composition and distribution of fishes in the nearshore waters of Cedar Key, Florida, USA.

R. E. Crabtree and B. W. Bowen. Preliminary evidence for the occurrence of two species of bonefish (*Albula* spp.) in waters of the Florida Keys.

D.Devries. Using otolith shape analysis to distinguish eastern Gulf of Mexico from Atlantic Ocean stock king mackerel, *Scomberomorus cavalla*.

A. J. Fedler. Modeling impacts of recreational fisheries regulations in Florida.

P. B. Hood and A. K. Johnson. Age, growth, and reproduction of the vermilion snapper (*Rhomboplites aurorubens*) from the eastern Gulf of Mexico..

R. Humston, J. S. Ault, M. Lutcavage and D. B. Olson. Large-scale schooling and migration of large pelagics relative to environmental cues

J. J. Lament. Growth differences between introduced populations of *Cichlasoma urophthalmus* based on otolith mass.

R. S. McBride. Changes in latitudes, changes in vertebral numbers: implications for ladyfish population dynamics.

D. Dobbins. Flathead catfish abundance and movement in the Apalachicola River.

J.M. Shenker and J.Lin. Impacts of extreme fishing pressure and major habitat alternations on fisheries in the coastal lagoons of Ghana.

G.R. Stanton and R.M. Werner. Prevalence of skin tumors of gray snapper (mangrove snapper), *Lutjanus griseus* in the Florida Keys, Dry Tortugas to Biscayne Bay.

G.R. Stanton, R.M. Werner, R.Overstreet. Black spot skin lesions of gray snapper (mangrove snapper), *Lutjanus griseus*, in the Florida Keys.

D. C. Weaver, K. J. Sulak, W. F. Smith-Vaniz, S. W. Ross. Community structure and trophic relationships of demersal reef fishes of the Mississippi-Alabama outer continental shelf.

R.M. Werner and G.R. Stanton. Skin tumors of gray snapper (mangrove snapper) *Lutjanus griseus* in a semi-isolated population in the moat of Fort Jefferson in the Dry Tortugas National Park.

T. Williams and T. R. Matthews. Florida as spiny lobster fishery: management impact on the lobster population and commercial landings.

B.L. Winner, T. MacDonald and K. Amendola. The effects of variations in age-length data on the estimation of von Bertalanffy growth parameters.