

Florida Chapter of the American Fisheries Society



Annual Meeting 2006

**February 21-23, 2006
4-H Camp Ocala, Altoona, Florida**

The Florida Chapter of the American Fisheries Society

Chapter Officers

President: Richard McBride, FWC-FWRI

President-Elect: Chuck Cichra, UF

Past-President: Mike Allen, UF

Secretary-Treasurer: Eric Nagid, FWC-FWRI

Major Contributors for our Annual Meeting:

Webmaster: Bob Wattendorf, FWC-DFFM

Newsletter Editor: Jaclyn Debicella, MACTEC

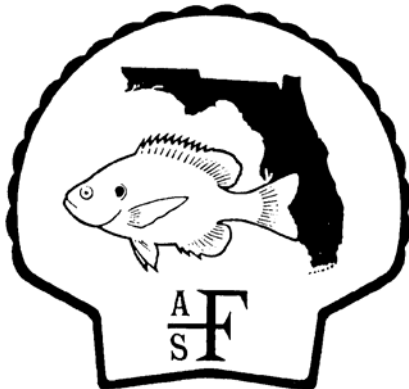
Program Co-Chairs: Chuck Cichra and Jeff Hill, UF

Raffle Co-Chairs: Tom Maher and Bridget Tiffany (UWF)

Student Travel Awards & Roger Rottmann Memorial Scholarships: Chuck Cichra, UF

Meeting A/V Specialist: Mark Rogers, UF

Program Cover and Shirt Design: Nate Weis, UF



Thanks to everyone for their symposium and contributed presentations!

Thanks to all the moderators and judges!

**The 26th Annual Meeting of the Florida Chapter American Fisheries Society
February 21-23, 2006
4-H Camp Ocala, Altoona, Florida**

General Program – Schedule at a Glance

Tuesday, February 21

12:00pm – 1:00pm / Lunch

11:00am – 6:00pm / Registration

1:00pm – 5:10pm / Contributed Papers

5:30pm – 7:00pm / Poster Set Up

6:00pm – 7:00pm / Dinner

7:00pm – 8:30pm / Formal Poster Session

Followed by the *bonfire social*

Wednesday, February 22

7:00am – 8:00am / Breakfast

7:30am – 6:00pm / Registration

8:00am – 12:00pm / Symposium: *Florida's Exotic Aquatic Organisms*

12:00pm – 1:00pm / Lunch

1:10pm – 3:20pm / Symposium: *Florida's Exotic Aquatic Organisms*

3:40pm – 5:00pm / Contributed Papers

5:00pm – 6:00pm / Student Subunit Meeting (All students)

Time to relax (All others)

6:00pm – 7:00pm / Dinner

7:00pm – 8:00pm / Chapter Business Meeting

Awards presentation: Student Awards – Travel and Roger Rottmann Scholarship

Followed by THE RAFFLE, AUCTION, and the *bonfire social*

Thursday, February 23

7:00am – 8:00am / Breakfast

7:30am – 9:00am / Registration

8:30am – 11:50am / Contributed Papers

12:00pm – 1:00pm / Lunch

1:00pm – 1:10pm / **Awards presentation:**

Best Papers - Student and Non-student

Best Posters - Student and Non-student

Power Tie and Lampshade Awards

Day-By-Day Agenda - 26th Annual Meeting - Florida Chapter American Fisheries Society

Tuesday, February 21, 2006

1100 — 1800 / Registration

1200 — 1300 / Lunch

1300 — 1310 / Welcome – Rich McBride, Chapter President

Contributed Papers

Moderator: Mike Allen, University of Florida

1310 — Switzer, T. S., B. L. Winner, J. A. Whittington, N. M. Dunham, and M. Thomas. Influence of sequential hurricanes on nekton communities in the St. Lucie estuary.

1330 — Stevens, P. W., D. A. Blewett, and J. P. Casey. Short-term effects of a low dissolved oxygen event on estuarine fish assemblages following the passage of Hurricane Charley.

1350 — Johnson, K. J., M. S. Allen, and K. E. Havens. Effects of water level variation on wetland/littoral plants and their associated faunal assemblages, with implications for water management and biota of Lake Okeechobee.

1410 — *Dutterer, A. C. and M. S. Allen. Trends in spotted sunfish habitat utilization and their potential application in setting minimum flows and levels for Florida rivers.

1430 — *Rogers, M. W., and M. S. Allen. Cold in the Tropics? Implications of winter on growth and survival of age-0 Florida largemouth bass.

1450 — Blewett, D. B., P. W. Stevens, T. R. Champeau, and R. G. Taylor. Seasonal abundance and size of common snook (*Centropomus undecimalis*) in the Peace and Myakka rivers, Florida: Implications for overwintering.

1510 — BREAK

Moderator: Debra Murie, University of Florida

1530 — *Catalano, M. J., M. W. Rogers, and M. S. Allen. Evaluating effects of size-selective harvest on growth parameter estimates in gizzard shad.

1550 — Lombardi-Carlson, L. A. and G. R. Fitzhugh. Gag (*Mycteroperca microlepis*) from the northeastern Gulf of Mexico differences in age, length and growth between commercial gear types: gear selectivity or depth fished?

1610 — Klement, B. W. and S. A. Bortone. Spotted seatrout (*Cynoscion nebulosus*) growth as an indicator of estuarine conditions in three southwest Florida estuaries.

1630 — *Gibson, S. M., W. F. Patterson, R. P. Phelps, and W. P. Patterson. Distinguishing wild from hatchery produced juvenile red snapper with otolith chemistry.

1650 — Patterson, W. F., III, J. H. Cowan, Jr., C. A. Wilson, and Z. Chen. Population connectivity in Gulf of Mexico red snapper inferred from otolith elemental signatures.

1800 — 1900 / Dinner

1730 — 1900 / Poster Set Up

1900 — 2030 / Formal Poster Session (Beverages and snacks will be in the poster area;
Presenters will be available to answer questions from 7-8:30 pm)
Followed by the *bonfire social*

* An asterisk indicates a student presentation _____ Indicates person presenting

Tuesday Poster Session (7-8 pm)

*Baremore, I. E., D. J. Murie, and J. K. Carlson. Preliminary trophic dynamics of the Atlantic angel shark in the northern Gulf of Mexico.

Bonvechio, T. F. and K. I. Bonvechio. Preliminary population responses of sport fish species to a habitat enhancement at West Lake Tohopekaliga.

Collins, A., M. R. Heupel, R. E. Hueter, and P. J. Motta. Diet of the Atlantic cownose ray (*Rhinoptera bonasus*) in Charlotte Harbor, Florida, USA.

Crawford, S. Evaluation of two types of gravel as sunfish attractors.

Debicella, J. M., J. H. Neese, and A. B. Shortelle. A preliminary look at impingement at a Gulf Coast power plant.

Deitche, S. D. and D. C. Hicks. Fishes of the Brooker Creek Preserve, Pinellas County, Florida.

Denison, S. H., S. Seyoum, and M. D. Tringali. Isolation and characterization of 13 polymorphic microsatellite loci for the Florida pompano (*Trachinotus carolinus*).

Dorfman, J. M., K. R. Ranochak, C. G. Storer, and W. A. Szelistowski. Brood size variation in the sex-role reversed pipefish (*Syngnathus scovelli*).

*Galleher, S. N. and K. J. Smith. Seasonal distribution of (*Fundulus heteroclitus*) in the St. Marys, Nassau and St. Johns Rivers of northeast Florida.

Gestring, K.B., P.L. Shafland, and M.S. Stanford. The Status of Loricariid Catfishes in Florida With Emphasis on Orinoco Sailfin (*Pterygoplichthys multiradiatus*)

Idelberger, C. F., M. J. Hourihan, J. P. Casey, S. E. Erickson, J. Giganti, B. Heagey, and A. Sebastian. Occurrence and distribution of introduced fishes in tidal waters of Florida.

*Leonard, E. E., D. J. Murie, and D. C. Parkyn. Comparative age and growth of greater amberjack in the Gulf of Mexico.

*MacLauchlin, Kari. Learning about the fishermen: Anthropology in fisheries research.

*Marcinkiewicz, L. L., J. P. Bennett, and W. E. Pine. Examining movement patterns, essential habitat, and mortality rates of adult common snook in Sarasota Bay, Florida.

Martignette, A. J., S. A. Bortone, J. M. Greenawalt, E. C. Milbrandt, and B.W. Klement. Response of fish communities to hurricane and red tide.

McBride, R. S., A. K. Richardson, K. L. Maki, and M. D. Murphy. Florida's wahoo (*Acanthocybium solandri*) fishery.

Middlemiss, A. M., J. K. Carlson, and J. A. Neer. A revised age and growth model for blacknose shark from the eastern Gulf of Mexico using x-ray radiography.

Murie, D. J., D. C. Parkyn, W. F. Loftus, and L. G. Nico. Variable growth and longevity of yellow bullhead in south Florida.

* Poplaski, M. R. and A. K. Dukeman. Red drum, *Sciaenops ocellatus*, gill filament counts in relation to size distribution.

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*Rock, J. E., D. J. Murie, and K. M. Leber. Feeding periodicity of the common snook.

Strickland, P., R. Cailteux, D. Dobbins, and D. Harding. Economic expenditures of anglers in four flathead catfish tournaments in the Apalachicola River, Florida.

Szelistowski, W. A., L. M. Szelistowski, and L. E. Bavaro. Grackle foraging may enhance feeding success of mangrove snappers and catfish.

Taylor, J. A. and A. K. Dukeman. Cataract prevalence in wild fish from three Florida estuaries.

*Yeager, L. A. Habitat utilization by juvenile reef fishes in Manzanillo, Costa Rica.

Wednesday, February 22, 2006

0700 – 0800 / Breakfast

0730 – 1800 / Registration

0800 – 0810 / Welcome – Chuck Cichra, Chapter President-Elect and Program Co-Chair

Symposium: Florida's Exotic Aquatic Organisms

Symposium Papers

Moderator: Chuck Cichra, University of Florida

0810 — Hardin, S. The Exotic Species Coordination Section: FWC's strategic approach to introduced species.

0830 — Shafland, P. An overview of Florida's exotic freshwater fishes and FWC's programs dealing with them.

0900 — Matheson, R. E., Jr., R. Ruiz-Carus, and M. Hourihan. Established exotic fishes in marine and estuarine waters of Florida.

0920 — Zajicek, P. W. Exotic species and aquaculture.

0940 — *Cassani, J. R., K. Watts, C. Bender and E. Everham. Non-indigenous fishes of Caloosahatchee River oxbows.

1000 — BREAK

Moderator: Mac Kobza, South Florida Water Management District

1020 — Gestring, K. B., P. L. Shafland, and M. S. Stanford. Florida's exotic freshwater catfishes.

1040 — Ruiz-Carus, R., and H. J. Grier. The loriciid and callichthyid catfishes in Florida, with emphasis on those of the Hillsborough River.

1100 — Reinert, T. R., C. A. Straight, and B. J. Freeman. The Battle of Atlanta: control and containment options for a (relatively) northern population of Asian swamp eels.

1120 — Hill, J. E. and C. A. Watson. Diet of the nonindigenous Asian swamp eel (*Monopterus albus* - Synbranchidae) in tropical ornamental aquaculture ponds in west central Florida.

1140 — Burkhead, N.M., and J.A. Billmeier. The Borg Assimilation Hypothesis: Fact or Prevarication?

1200 — LUNCH

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1300 — Announcements

Moderator: Jeff Hill, University of Florida

1310 — Kobza, M., M. Cook, and E. Call. Nonindigenous fish in the central Everglades: A preliminary survey.

1330 — Fuller, P.L. The USGS Nonindigenous Aquatic Species Database.

1350 — Hill, J. E. Negative effects of nonindigenous freshwater fishes in Florida: What do we really know?

1410 — Arnold, W. S. Non-indigenous species: Experience suggests a new approach.

1430 — Nico, L.G. USGS-FISC research on invasive fishes: past projects and future challenges.

1450 — **Discussion**

1520 — BREAK

Moderator: Bill Pine, University of Florida

Contributed Papers

1540 — Jackson, M. W., M. S. Allen, M. V. Hoyer, and D. Canfield, Jr. A test of the impact of hydrilla introduction on biodiversity in Florida lakes.

1600 — *Bennett, J. P. and W. E. Pine, III. Using acoustic telemetry to estimate natural and fishing mortality of common snook in Sarasota Bay, Florida.

1620 — Flaherty, K. E. and R. Lehnert. Seasonal distribution and abundance of blue crabs (*Callinectes sapidus*) in the Tampa Bay Estuary using fisheries independent monitoring data.

1640 — Bortone, S. A. The status and trends of the historical recreational tarpon fishery in southwest Florida.

**1700 — 1800 / Student Subunit Meeting (All students)
Time to relax (All others)**

1800 — 1900 / Dinner

1900 — 2000 / Chapter Business Meeting – Please attend!

Awards presentations: Student Awards – Travel and Roger Rottmann Scholarship
Followed by **THE RAFFLE, SILENT AUCTION**, and the *bonfire social*

* An asterisk indicates a student presentation

_____ Indicates person presenting

Thursday, February 23, 2006

0700 — 0800 / Breakfast

0730 — 0900 / Registration

0820 — 0830 / Announcements

Contributed Papers

Moderator: Ron Taylor, FWC-FWRI

0830 — Taylor, D. S. Rivulus (Kryptolebias) marmoratus: lessons learned from nearly two decades of groveling in the mangroves.

0850 — Thomas, C. R. The fish of the northern Indian River Lagoon: impacts of marsh impoundments.

0910 — Knapp, A. R., C. P. Purtlebaugh, and J. B. Jackson. Abundance, distribution, and habitat preference of post-juvenile sand seatrout (*Cynoscion arenarius*) in Tampa Bay and Charlotte Harbor, Florida.

0930 — Casey, J. P., G. R. Poulakis, and P. W. Stevens. Habitat use by juvenile gag (*Mycteroperca microlepis*) in subtropical Charlotte Harbor, Florida.

0950 — Break

Moderator: Rich McBride, FWC-FWRI

1010 — *Morris, N. M. B. and W. F. Patterson. Ecology of fishes associated with deep-sea shipwrecks in the northern Gulf of Mexico.

1030 — McBride, R. S., and M. R. Johnson. Sexual and reproductive development of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish.

1050 — McBride, R. S., A. K. Richardson, and A. S. Collins. Age, growth, and mortality of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish.

1110 — *Dance, M. A. and W. F. Patterson, III. Estimating reef fish communities at artificial reef sites using a remotely operated vehicle.

1130 — *Jeffers, S. A. and W. Patterson. Ecology of inshore Lizardfish in the Northern Gulf of Mexico.

1200 — 1300 / LUNCH

1300 — 1310 / Awards presentation:

Best Papers - Student and Non-student
Best Posters - Student and Non-student
Power Tie and Lampshade awards

* An asterisk indicates a student presentation _____ Indicates person presenting

