



SPRING MEETING

April 23-25, 1987

Port of the Islands Resort

Marco Island, Florida

Thursday, April 23

10:00 a.m. - 4:00 p.m.	Open house at Rookery Bay National Estuarine Research Reserve.
5:00 p.m. - 9:00 p.m.	Registration
7:00 p.m. - 10:00 p.m.	Poster Session/Attitude Adjustment Hours
8:00 p.m. - 9:00 p.m.	Board Meeting

Friday, April 24

8:00 a.m. - 9:30 a.m.	Registration
8:10 a.m. - 12:10 p.m.	Slide Session I
12:10 p.m. - 1:30 p.m.	Lunch
1:30 p.m. - 3:00 p.m.	Special Session
3:00 p.m. - 3:30 p.m.	Break
3:30 p.m. - 5:10 p.m.	Slide Session II
6:00 p.m. - 7:00 p.m.	Poolside Social
7:00 p.m. -	Banquet

Saturday, April 25

8:20 a.m. - 12:10 p.m.	Slide Session III
1:00 a.m. -	Field Trips

Poster Session
April 23 - 25, 1987

Herbivory of red mangrove (Rhizophora mangle) propagules by the tree crab Aratus pisonii. Robert A. Mattson, Mangrove Systems Inc., P.O. Box 290197, Tampa, Florida 33687.

An overview of a 4 year seine and trawl survey in the North Inlet estuary, S.C. Ginger Ogburn and Dennis Allen, University of South Carolina, Belle Baruch Marine Field Lab, P.O. Box 1630, Georgetown, S.C. 29442.

The Indian River Lagoon Aquatic Preserve. Liberta Poolt, Kalani Cairns and Paul Mikkelsen, Florida Department of Natural Resources, 4842 South US1, Ft. Pierce, Florida 33482.

Friday
April 24, 1987

- 8:30 - 9:30 Welcome - Vic Burrell, President
Kris Thoenke, Program Chairman
- 8:30 - 9:40 Global eustatic sea level rise over the next 100 years: coastal response projections for southwest Florida. Randall W. Parkinson, Division of Marine Geology and Geophysics, Rosentiel School of Marine and Atmospheric Science, 4600 Rickenbacker Causeway, Miami, FL. 33149.
- 9:40 - 9:50 Contributions to the biology of the ectoparasite Boonea impressa (Say) (Gastropoda:Pyramidellidae). John B. Wise, Grice Marine Biological Laboratory, 205 Ft. Johnson, Charleston, S.C. 29412.
- 9:50 - 9:40 KCl-extractable ammonium from salt marsh sediments: On the need for a standard method. G.S. Myers, B.L. Howes and D. White, USC-Coastal S.C., W.H.O.I., Ma., B.U.M.P., Ma.
- 9:40 - 10:00 Organic content and grain size preferences of the burrowing brittlestar Microphiopholis gracillima. Kerry M. Zimmerman, Belle W. Baruch Institute of Marine Biology and Coastal Research, University of South Carolina, Columbia, S.C. 29208.
- 10:00 - 10:30 Coffee Break.
- 10:30 - 10:50 Morphodynamics of the Cape Romano shoals, southwest Florida. Pliny Jewell IV and Richard A. Davis Jr., University of South Florida, Geology Department, Tampa, FL. 33620.
- 10:50 - 11:10 Spring and summer abundance and diversity of larval fishes along a salinity gradient in the Charleston Harbor estuary. Chris Jackson, Grice Marine Biological Lab, Charleston, S.C. 29412.
- 11:10 - 11:30 Densities of megalopae and early crab stages of the blue crab, Callinectes sapidus, in shallow estuarine habitats of Charleston Harbor. David J. Mense, Grice Marine Lab, 205 Ft. Johnson Rd., Charleston, S.C. 29412.
- 11:30 - 11:50 Molting and calcium-breeding proteins in the blue crab. David W. Engel, National Marine Fisheries Service, Beaufort Laboratory, Beaufort, N.C. 28516.
- 11:50 - 12:10 Life history strategies in two species of Eurypanopeus (Decapod: Brachyura). Karen M. Blyler and Robert H. Gore, Center for Oceanographic Studies, 8000 N. Ocean Drive, Nova University, Dania, FL. 33004.
- 12:00 - 1:30 Lunch
- 1:30 - 3:00 Estuaries and the Fruits of our Labor: What happens to what we do. Panel Discussion
Charles Courtney, Good Property Co., 5209 Tampa Bay Palms Blvd. Tampa, FL. 33647.

Mark Benedict, The Conservancy, Inc., 1450 Merritt Drive, Naples, FL. 33942.

Kris Thoenke, Rookery Bay National Estuarine Research Reserve, 38 Shell Island Road, Naples, FL. 33962.

Ed Proffitt, Collier County Natural Resources Management Department, Collier County Government Complex, 3301 East Tenth Trail, Naples, FL. 33962.

Ed Joyce, Florida Department of Natural Resources, 3900 Commonwealth Blvd., Tallahassee, FL. 32303.

3:00 - 3:30 Break

3:30 - 3:50 Comparison of animal abundance and hydrographic parameters of Fakahatchee Union, Fakahatchee, and Pumpkin Bays in the Ten Thousand Islands. Joan A. Browder and John D. Wang, Southeast Fisheries Center National Marine Fisheries Service, 75 Virginia Beach Drive, Miami, FL. 33149.

3:50 - 4:10 Habitat preferences of juvenile white shrimp (Penaeus setiferus) and blue crabs (Callinectes spp.). Gregory M. Grabowski, Grice Marine Biological Laboratory, 205 Fort Johnson, Charleston, S.C. 29412.

4:10 - 4:30 Salinity gradients in tributaries of northeast Florida Bay: Implications for ecological studies of freshwater flow to estuaries. Clay Montague, Department of Environmental Engineering Sciences, University of Florida, Gainesville, FL. 32611.

4:30 - 4:50 Analysis of pesticides in estuarine water after enrichment onto C₃ bonded-phase cartridges. Daniel A. Hinkley and Terry F. Bidleman, Marine Science Program and Department of Chemistry, University of South Carolina, Columbia, S.C. 29208.

4:50 - 5:10 Methods of acclimation of marine phytoplankton to mercury. Kevin B. Davis, South Carolina Wildlife and Marine Resources Department and Grice Marine Biological Laboratory, College of Charleston, P.O. Box 12559, Charleston, S.C. 29412.

Saturday
April 25, 1987

8:20 - 8:40 Distribution and occurrence of larval king mackerel, Spanish mackerel and bluefish in the South Atlantic Bight, 1973-1980. Mark R. Collins and Bruce W. Stender, S.C. Wildlife and Marine Resources Department, P.O. Box 12559, Charleston, S.C. 29412.

8:40 - 9:00 Oxygen consumption of striped mullet (Mugil cephalus L.) in relation to swimming activity and salinity. David J. Schmitt, South Carolina Wildlife and Marine Resources Department, Marine Resources Research Institute, 217 Ft. Johnson Rd., Charleston, S.C. 29412.

- 9:00 - 9:20 Ulcerative Disease Syndrome (UDS) in estuarine fishes in Florida. Thomas Savage, Florida Department of Environmental Regulation, 2600 Blair Stone Rd., Tallahassee, FL. 32301.
- 9:20 - 9:40 McIlvane marsh a saved wetland. -- Theodore H. Below and M. Philip Kahl, National Audubon Society, Rookery Bay Sanctuary, 3697 North Road, Naples, FL. 33942.
- 9:40 - 10:00 An update on swimbladder inflation in menhaden larvae -- Atlantic menhaden do it too: The question is why? Donald E. Hoss, Beaufort Laboratory, Southeast Fisheries Center, National Marine Fisheries Service, NOAA, Beaufort, N.C. 28516.
- 10:00 - 10:30 Break
- 10:30 - 10:50 Experimental studies of predation on polychaetes. Walter G. Nelson and Mary Ann Capone, Department of Oceanography and Ocean Engineering, Florida Institute of Technology, Melbourne, FL. 32901.
- 10:50 - 11:10 Residence times, renewal rates, flushing times and dispersion coefficients. J. Van De Kreeke, Rosentiel School of Marine and Atmospheric Science, 4600 Rickenbacker Causeway, Miami, FL. 33149.
- 11:10 - 11:30 Long-term temporal and spatial abundance and length frequency patterns of epibenthic larval fish assemblages from North Inlet, South Carolina: the final word. D. Lynn Barker and Dennis M. Allen, U.S.C. Belle W. Baruch Marine Field Lab, P.O. Box 1630, Georgetown, S.C. 29442.
- 11:30 - 11:50 Objectives and justifications for a multiagency oceanographic investigation of Charleston Harbor, S.C. Bjorn Kjerfve and Steve Rutz, Belle W. Baruch Institute, University of South Carolina, Columbia, S.C. 29208.
- 11:50 - 12:10 Estuarine fronts in Charleston Harbor, South Carolina: physical and biological characteristics. J. Pickney and Phillip Dustan, Department of Biology, Grace Marine Biological Laboratory, 205 Ft. Johnson, Charleston, S.C. 29412.
- 1:00 - Field trips to Fakahatchee Strand State Preserve or Cape Romano-Ten Thousand Islands Aquatic Preserve.

11:30 - 11:50
 11:50 - 12:10
 1:00 -

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 11:50 - 12:10
 1:00 -



Important Announcements

1. Titles of poster papers will be accepted until April 17. Call Kris Thomas (813) 775-8845 with your title.
2. Field trips to Fakahatchee Strand and the Ten-Thousand Islands are planned. These are unique areas which can be found nowhere else in the United States. Try to participate! There is no charge for either trip. Sign up at Registration.
3. There will be an open house at Rookery Bay National Estuarine Research Reserve. See map for directions to the lab.
4. The special session, "Estuaries and the Fruits of our Labor: What happens to what do" will be held Friday afternoon. Its purpose is to demonstrate how consultants and developers, natural resource managers, environmental regulators and environmental decision makers use the information which we generate as estuarine scientists. This should be an interesting and informative session for all of us. A number of very good speakers have been arranged for this session.
5. THERE WILL BE AN ELECTION FOR SECRETARY-TREASURER DURING THE BUSINESS MEETING. The nominees offered by the nominating committee are:
 1. RON KNEIB, Marine institute, University of Georgia, Sapelo.
 2. CLAY MONTAGUE, Department of Environmental Regulation Engineering Sciences University of Florida, Gainesville.

Additional nominations will be accepted from the floor.

