



SPRING MEETING OF THE
SOUTHEASTERN RESEARCH SOCIETY

March 17 - 19, 1988

Folly Beach, S.C.

General Program

Thursday, March 17

5:00 p.m. - 8:00 p.m. Registration
7:00 p.m. - 9:30 p.m. Poster Session and Social

Friday, March 18

8:45 a.m. - 12:00 p.m. Slide Session I
12:00 p.m. - 1:30 p.m. Lunch
1:30 p.m. - 5:00 p.m. Slide Session II ← *H.R. TO CHAIR*
6:00 p.m. - 7:00 p.m. Social
7:00 p.m. - Banquet and Business Meeting

Saturday, March 19

9:00 a.m. - 12:10 p.m. Slide Session III

Our Thanks to our Sponsors:
HARRY HAMPTON FOUNDATION
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Important Announcement:

An election will be held at the Friday business meeting for president elect and program chairmen. The candidates are:

President Elect

Dennis Allan
Kris Thoemke

Program Chairperson

Linda Clements
Richard Moore

As far as we know none of the candidates have lengthy prison records so they are all eminently qualified.

SEERS Program

- 8:45 - 8:50 a.m. Introductory Remarks. Vic Burrell and Kris Thoenke.
- 8:50 - 9:10 a.m. Fouling Communities on Oil Ash Reefs off of Vero Beach, Florida. Daniel M. Savercool. Florida Institute of Technology, Melbourne, FL.
- 9:10 - 9:30 a.m. Effect of Copper on Calcium Uptake by Juvenile Flounder. David W. Engel* and David Doodoo#. National Marine Fisheries Service, Beaufort Laboratory*, Beaufort, NC and Department of Chemistry, University of Cape Coast#, Ghana.
- 9:30 - 9:50 a.m. A Model of Tidally Driven Phytoplankton Aggregation. Phillip Duston and James Pinckney Jr. College of Charleston, SC and University of South Carolina.
- 9:50 - 10:10 a.m. Short-term Effects of Artificial Structures on Infaunal Benthos. Patrick M. Navratil. Florida Institute of Technology, Melbourne, FL.
- 10:10 - 10:40 a.m. Break
- 10:40 - 11:00 a.m. Selection of Prey by Juvenile Fish, Random or Choice? Amy E. Nelson. Marine Science Program, University of South Carolina.
- 11:00 - 11:20 a.m. An Electrophoretic Break-point in the Distribution of Cyathura polita Between North and South Carolina. Celeste J. Brown*, W. D. Burbank#, Wyatt W. Anderson* and Courtney T. Hackney+. University of Georgia* and Emory University#, UNC, Wilmington+, NC.
- 11:20 - 11:40 a.m. Spatial Distribution of Sand Beach Amphipods in Florida. Deborah L. Charvat. Florida Institute of Technology, Melbourne, FL.
- 11:40 - 12:00 p.m. Feeding Rates for Grass Shrimp Fed Different Quality Foods. Gregory Zagursky and Robert J. Feller. Dept. of Biology and Belle W. Baruch Institute, USC, Columbia, SC.

Foods - Nump, Dapt, Dapt
2i 150-200% BW/DAT

- 12:00 - 1:30 p.m. Lunch
- 1:30 - 1:50 p.m.

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1308 160 CHEWIT
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24 CHAND

Effects of Cooper River Rediversion on Phytoplankton Distribution in Cooper River and Charleston Harbor. Kevin B. Davis. South Carolina Wildlife and Resources Department, Charleston, SC.

1:50 - 2:10 p.m. Environmental Influences on Abundance,
1:55 Growth and Recruitment of Some Common
Estuarine Fishes from a High Marsh Creek.
Ginger Ogburn, Sue Service and Dennis Allen.
University South Carolina, Baruch Institute,
Georgetown, SC.

2:10 - 2:30 p.m. Tracing Digested Nematodes in a Fish's
2:15 (Leiostomus xanthurus) Gut Using
Immunological Techniques. Debra K. Salamy.
Marine Science Program, USC, Columbia, SC.

2:30 - 2:50 p.m. Determination of Shrimp Gut Evacuation Rate
2:29 by Immunological Methods. Brian T. Hentschel
and Dr. Robert J. Feller. Baruch Institute,
University of South Carolina, Columbia, SC.

2:50 - 3:20 p.m. Break

3:20 - 3:40 p.m. Changes in the Estuarine Fauna of the Santee
3:25 Rivers Following Major Augmentation of
Freshwater Flow: The Macrobenthic
Invertebrates. David M. Knott and Caroline
O'Rourke. Marine Resources Research Center,
Charleston, SC.

3:40 - 4:00 p.m. Changes in the Estuarine Fauna of the Santee
3:52 Rivers Following Major Augmentation of
Freshwater Flow: Fishes and Decapod
Crustaceans. Robert M. Martore and David M.
Knott. Marine Resources Research Institute,
Charleston, SC.

4:00 - 4:20 p.m. Aquaculture Studies of Stripped Bass Hybrids
4:09 in South Carolina. Wallace Jenkins, Ted
Smith, Alvin Stokes and Robert Smiley. South
Carolina Marine Resources Research Institute,
Charleston, SC.

R. RATED

4:20 - 4:40 p.m. Preliminary Results of Oyster-shrimp Pond
4:25 Biculture at the Waddell Mariculture Center.
Caroline O'Rourke. Marine Resources Research
Institute, Charleston, S.C.

WILD SPIN 3-4 min / mo
POND 25 min / mo

4:40 - 5:00 p.m. Macro-benthic Community Structure at Marina
and Control Sites in an Estuarine Habitat.
Priscilla H. Wendt, David M. Knott, Martin V.
Levisen, Caroline B. O'Rourke and Robert F.
Van Dolah. South Carolina Marine Resources
Research Institute, Charleston, S.C.

DWLS

MOVIE
TO
1:30 PM

POSTERS
SOCIAL 6
~~POSTERS~~
SUPPORT

SEERS Program
Saturday, March 19

- 9:00 - 9:20 a.m. Overwatering shellfish in South Carolina Shrimp Ponds. Colden Battey. South Carolina Marine Resources Institute, Charleston, SC.
- 9:20 - 9:40 a.m. Blue Crab (Callinectes sapidus) Stock and Recruitment Assessment in Charleston Harbor. John Archambault, Elizabeth Wenner and David Whitaker. South Carolina Wildlife and Marine Resources Dept., Charleston, S.C.
- 9:40 - 10:00 a.m. Fads in Estuarine Fish Ecology: A Ten-year Review of the Literature. Richard H. Moore. USC, Coastal Carolina College, Conway, S.C.
- 10:00 - 10:30 a.m. Break.
- 10:30 - 10:50 a.m. Estimation of Brown Shrimp Growth in South Carolina. Larry DeLancey, David Whitaker and Jimmy Jenkins. South Carolina Wildlife and Marine Resources Department. Charleston, S.C.
- 10:50 - 11:10 a.m. Planning for Aquaculture in the Coastal Waters of South Carolina: A Strategic Approach. M. Richard DeVoe and Andrew Mount. SC Sea Grant Consortium, Charleston, S.C.
- 11:10 - 11:30 a.m. Preliminary Evaluation of Scanning Electron Microscopy Techniques for Daily Age-growth. David J. Schmidt. South Carolina Wildlife and Marine Resources, Charleston, S.C.
- 11:30 - 11:50 a.m. Sample Size Efficiency and Power: Questions from the Benthos. Richard Winn, Greg Anderson and Robert Martore. South Carolina Wildlife and Marine Resources Department, Charleston, S.C.
- 11:50 - 12:10 a.m. By-catch of Juvenile King and Spanish Mackerels in the Commercial Shrimp Fishery. Mark R. Collins and Charles A. Wenner. South Carolina Wildlife and Marine Resources Department, Charleston, S.C.