



ANNOUNCEMENT AND PROGRAM

Fall Meeting of SEERS

October 25-27, 1990

Jekyll Island, Georgia

General Program

Thursday - October 25

1800-2100	Registration and Information
1900-2200	Poster Session and Social
2100	SEERS Board Meeting

Friday - October 26

0800-1000	Registration and Information
0830-1150	Slide Session I
1150-1330	Lunch
1330-1650	Slide Session II
1830	Social, Buffet Dinner, and Short Business Meeting

Saturday - October 27

0845-1030	Slide Session III
1400-1800	Sapelo Island Field Trip

Meeting Announcements

* SEERS will meet October 25-27 in Jekyll Island, Georgia. Registration, Poster, and paper sessions will be held at the Resort Hotel/Conference Center, Villas by the Sea. You should have made room reservations already, but if you have not, reservations can be made by calling 1-800-841-6262 (in Georgia, 1-800-342-6872) with Mary Stewart. Tell her you are participating in the SEERS meeting.

* **Registration:** All attendees will be required to register. A registration fee of \$30 will include the socials, coffee breaks, meeting expenses, and the Low Country Buffet on Friday evening. Tickets for socials and dinner buffet will be available for spouses at \$18. Refreshments will be provided both Thursday and Friday evenings. A short business meeting will follow dinner on Friday.

* Titles and abstracts for Posters will be accepted until registration on Thursday evening, but please don't wait until the meeting. Call titles to Ginger Ogburn (803-546-6219) by October 22, so that an updated list can be distributed at registration. The conference center will provide all necessary pins and materials to hang posters.

* In an attempt to learn more about the interests and needs of our student members, a questionnaire will be handed out during registration. All students are requested to fill it out at that time, so the information can be discussed at the meeting. Introduce yourself to Dave Mense, student representative to the SEERS Board.

* A bulletin board will be available to post items of interest. If you have job announcements, special photographs, new publications or brochures that you would like to share, bring them to the registration desk.

* Notice that we have set aside an hour on Friday afternoon for members who were not able to prepare an oral presentation or poster to make a 3 or 4 minute presentation. We will have a sign up list at the registration desk for individuals to volunteer for a quick update on an ongoing research project, an environmental issue, or your institution's programs or facilities. If 3 to 5 slides would be useful, bring them along. This experimental session is designed to increase awareness and promote communication among our members, so, if you have an item of interest, let's hear it in this very informal forum.

* A few more spaces are available for the field trip to Sapelo Island on Saturday October 27 (2-6 pm). Sapelo Island Ferry is about a 45 minute drive north from Jekyll Island. A sign up sheet will be placed on the announcement bulletin board near the registration table.

* Villas by the Sea offers beach, swimming pool, bike trails, indoor-outdoor tennis, fishing, golf, fitness center, and volleyball court. There will be time before the social on Friday to enjoy the outdoors.

* We gratefully acknowledge our host institution, the University of Georgia Marine Institute at Sapelo Island, for their contributions to this meeting.

* The Spring 1991 meeting will be held jointly with GERS (Gulf Estuarine Research Society). We will be announcing the meeting date in the near future. The Gulf Breeze EPA Laboratory will host the meeting at or near Pensacola, Fla.

Officers 1990-92

PRESIDENT: Dennis M. Allen, Baruch Marine Laboratory, USC, P.O. Box 1630, Georgetown, SC 29442. (803)546-3623.

PRESIDENT-ELECT: Clay Montague, Department of Environmental Engineering Science, Black Hall, Gainesville, FL 32611. (904)392-0836.

SECRETARY-TREASURER: Ned P. Smith, Harbor Branch Oceanographic Institute, 5600 Old Dixie Highway, Fort Pierce, FL 34946. (407)465-2400.

PROGRAM CHAIRPERSON: Ginger Ogburn, Baruch Marine Laboratory, USC, P.O. Box 1630, Georgetown, SC 29442. (803)546-3623.

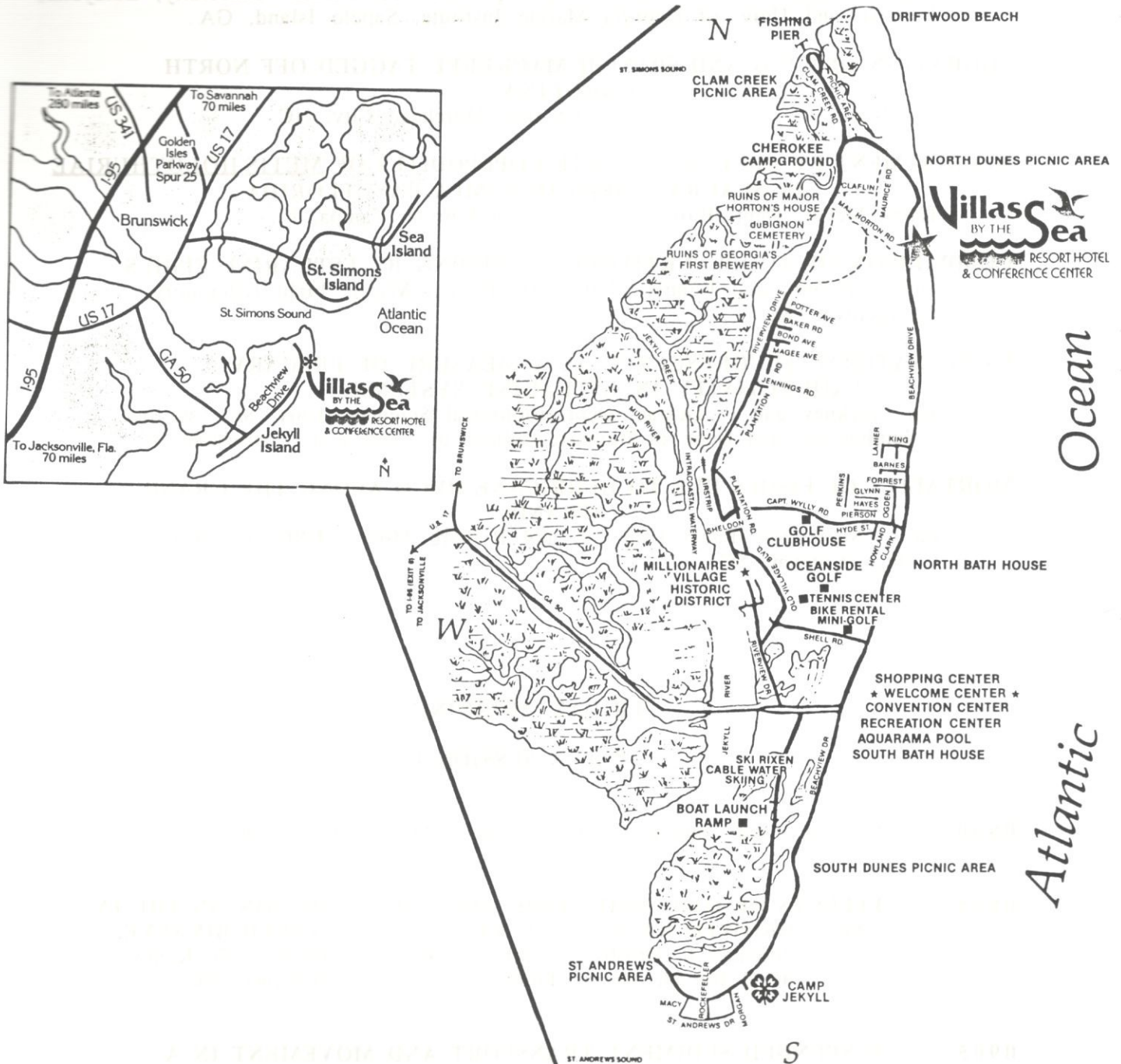
MEMBER-AT-LARGE: Keith Walters, University of Georgia Marine Institute, Sapelo Island, GA 31327. (912)485-2289.

STUDENT MEMBER: David Mense, NC State University, Department of Zoology, Box 7617, Raleigh, NC 27695-7616. (919)737-3583.

PAST PRESIDENT: David W. Engel, NMFS, Beaufort Laboratory, Beaufort, NC 28516. (919)728-8714.

How to get to the Hotel/conference center:

By car, take I-95 or US highways 17, 25, 341, or 84 to Brunswick, then 6 mile causeway (GA 50) to Jekyll Island. Turn Left (North) on Beachview Road. Villas by the Sea will be on the right.



POSTER SESSION

Thursday Night (1900-2200) - October 25

**DMSP, AN ALGAL DERIVED ORGANIC SULFUR COMPOUND IN OYSTERS FROM
A GEORGIA SALT MARSH**

Michele Babin, Ronald Keine, and Susan Service. Purdue University, Lafayette,
Indiana, and Univ. of Georgia Marine Institute, Sapelo Island, GA

**MIGRATION OF KING AND SPANISH MACKEREL TAGGED OFF NORTH
CAROLINA**

Liz Noble. Division of Marine Fisheries, Morehead City, NC

**RECRUITMENT BY ADULTS AND LATE COPEPODITES OF METIS HOLOTHURIAE
IN SEAGRASS BEDS IN TAMPA BAY, FLORIDA**

Harry Meyer. Dept. Biology, Univ. South Florida, Tampa, FL

COMPARISON OF ZOOPLANKTIVOROUS FEEDING BY ESTUARINE FISHES

Ginger Ogburn and Dennis Allen. USC Baruch Marine Field Laboratory,
Georgetown, SC

**USING NATURAL FLUORESCENCE AS A MEASURE OF PRIMARY
PRODUCTIVITY IN ESTUARINE SYSTEMS**

Jay Pinckney and P. Dustan. Dept. Biological Sciences, Univ. So. Carolina,
Columbia, SC and Dept. of Biology, College of Charleston, Charleston, SC

**MORTALITY OF FISHES DUE TO HURRICANE HUGO ALONG THE GRAND
STRAND**

Philip Sherengos, Paula Drannon, and Richard Moore. USC-Coastal Carolina
College, Conway, SC

FRIDAY MORNING

PAPER SESSION I

0830 Welcome and Announcements - Dennis M. Allen, President

0845 **EFFECTS OF IMMERSION TIME AND TIDAL POSITION ON THE *IN SITU*
GROWTH RATES OF A NATURALLY SETTLED BIVALVE.**

Michael P. Crosby*, Cynthia F. Roberts, and Paul D. Kenny.
USC Baruch Marine Field Laboratory, Georgetown, SC

0905 **SUSPENDED SEDIMENT TRANSPORT AND MOVEMENT IN A
PARTIALLY-MIXED ESTUARY, CHARLESTON HARBOR, SC.**

John D. Althausen. USC Marine Science Program, Columbia, SC

* Denotes Speaker

0925 PRODUCTION IN SEAGRASS BEDS OF DIFFERENT DEVELOPMENTAL STAGES: A POLYCHAETE EXAMPLE.

Susan S. Bell* and Lee Ann Clements and Josepha Kurdziel. USF
Dept. of Biology, Tampa, FL

0945 RESPIRATION MEASUREMENTS OF REGENERATING INFAUNAL BRITTLESTARS.

Helen M. Golde*, Stephen E. Stancyk, and Michael P. Crosby. USC
Marine Science Program. Columbia, SC

1005-1030 COFFEE BREAK

1030 TIDE-INDUCED VARIATIONS IN THE VOLUME OF FLORIDA'S INDIAN RIVER LAGOON.

Ned P. Smith and Patrick A. Pitts*. Harbor Branch Oceanographic
Institution. Ft. Pierce, FL

1050 SIZE-DEPENDENT RESPONSES OF A BENTHIC PREDATOR, SOUTHERN FLOUNDER (*PARALICHTHYS LETHOSTIGMA*), TO ITS PREY: SPOT (*LEIOSTOMUS XANTHURUS*) AND BROWN SHRIMP (*PENAEUS AZTECUS*).

Lynn Barker* and James A. Rice. North Carolina State University,
Dept. of Zoology, Raleigh, NC

1110 CHEMISTRY OF COASTAL FOG

Peggy B. Anderson*, Elizabeth Blood, and Gregory Patton.
USC Baruch Marine Laboratory, Georgetown, SC and Battelle
Pacific NW Laboratory, Richland, WA

1130 HURRICANE HUGO DESTROYED OUR LAB BUT NOT OUR SPARTINA

Besty Haskin. USC Baruch Marine Laboratory, Georgetown, SC

1150-1330 LUNCH

**FRIDAY AFTERNOON - PAPER SESSION II
MINI-SYMPOSIUM: COASTAL ECOSYSTEM AND LANDSCAPE ECOLOGY**

1330 THE DEVELOPMENT OF DYNAMIC LANDSCAPE MODELS

Fred H. Sklar. USC Baruch Marine Lab, Georgetown, SC

1350 PATTERN AND PROCESS AT THE LANDSCAPE LEVEL ARE DETECTED BY SIMULTANEOUS ANALYSIS ACROSS BOTH SPATIAL AND TEMPORAL SCALES.

Daniel L. Childers* and Fred H. Sklar. USC Baruch Marine Field
Lab, Georgetown, SC

* Denotes Speaker

- 1410 **ONE MODAY: A STRATEGY FOR ANALYZING TEMPORALLY-FIXED SAMPLING REGIMES IN TIDALLY DOMINATED ESTUARIES**
Steve E. Hutchinson and Fred H. Sklar. USC Baruch Marine Field Lab, Georgetown, SC
- 1430 **A BRIEF OVERVIEW OF FLORIDA SALT MARSHES WITH EMPHASIS ON SOME IMPORTANT DIFFERENCES.**
Clay L. Montague. Dept. of Environmental Engineering Sciences, Univ. of Florida, Gainesville, FL
- 1450-1500 **DISCUSSION**
- 1500-1530 **BREAK**
- 1530 **ESTUARINE RESEARCH BEING CONDUCTED IN THE SOUTHEAST BY THE STAFF OF THE NMFS BEAUFORT LABORATORY**
Donald E. Hoss. National Marine Fisheries Service. Beaufort Lab, Beaufort, NC
- 1550-1650 **INFORMAL SHORT TALKS ON RESEARCH/LABS IN THE SOUTHEAST**
General Audience (Sign up at registration desk)
- 1830 **SOCIAL, BANQUET, AND SHORT BUSINESS MEETING**

SATURDAY MORNING - PAPER SESSION III

- 0845 **PRELIMINARY ASSESSMENT OF SOLID MARINE POLLUTION IN CHATHAM COUNTY, GEORGIA.**
Matt R. Gilligan*, T.R. Kozel, and J.P. Richardson. Dept. of Biology and Life Sciences, Savannah State College, Savannah, GA
- 0905 **PREDATION ON AND MIGRATION OF STEM-ASSOCIATED FAUNA IN AN INTERTIDAL SPARTINA MARSH.**
Cathy Berchok and Keith Walters*. Univ. of Pittsburgh, Johnstown, Pa and Univ. of Georgia, Sapelo Island, GA
- 0925 **COMMENTS ON BIOMARKERS. CAN THEY REALLY WORK?**
David W. Engel. National Marine Fisheries Service. Beaufort Lab, Beaufort, NC
- 0945 **GROWTH RATE AND CONVERSION EFFICIENCY OF FUNDULUS HETEROCLITUS AT DIFFERENT RATIONS**
Ron Kneib, Dave Goshorn*, Kate Reynolds (Cornell Univ., Ithaca, NY), and Jennifer Parker. Univ. of Georgia, Sapelo Island, GA
- 1005-1030 **BREAK**

* Denotes Speaker

SEERS Program Addendum
October 25-27, 1990
Jekyll Island, Georgia

POSTERS

THIS ~~AF~~ SPECIAL SESSION

SESSION CHAIRS

Session I Friday Morning

0845 - 1005: Tom Jones

1030 - 1150: Dr. Keith Walters

Session II Friday Afternoon

1330 - 1500: Dr. Fred Sklar

1530 - 1650: Dr. Dennis Allen

Session III Saturday Morning

0845 - 1005: David Mense

GROUP PHOTO

AF BREAK

PAUSE SERVICE

BUSINESS

ACCOMMODATION
MARINE
UNIVERSITY

Thursday Night - Poster Session Cancellation

Recruitment by adults and late copepodites of *Metis holothuriae* in seagrass beds in Tampa Bay, Florida. by Harry Meyer. Dept. Biology, Univ. So. Florida, Tampa, Fla

Friday Morning - Paper Session I

0845 Effects of immersion time and tidal position on the *in situ* growth rates of a naturally settled bivalve
Paul Kenny will replace Michael Crosby as speaker

Friday afternoon - paper session II

1530 Estuarine research being conducted in the Southeast by the staff of the NMFS laboratory
David Colby will replace Don Hoss as speaker

SPECIAL THANKS!

To the University of Georgia's Marine Institute, Sapelo Island for their denotation to help defray the cost of this meeting

SIGN UP SHEET FOR GENERAL DISCUSSION SESSION

FRIDAY 26 OCTOBER

(TIME: 1550-1650)

3-5 minute talk

- 1 - Title: *UPDATE ON THE BARUCH INSTITUTE'S RECOVERY FROM HURRICANE HUGO: FACILITIES + RESEARCH*
Author(s): *D.M. ALLEN*
- 2 - Title: *Sick Critters*
Author(s): *Dave Engel*
- 3 - Title: *Ginger Ogburn* ←
Author(s): *Dioxin in Winyah Bay* ↙
- 4 - Title: *Donna Lanzendorf*
Author(s): *"WET Technique - Modeling a Wetland"*
- 5 - Title: ~~*Estuarine*~~ *Vibrio vulnificans in pond*
Author(s): *gannon systems*
Vic Buazzell Tenney Samples
- 6 - Title: *Mortality of small fish in Charleston Harbor*
subtidal creeks due to Hurricane Hugo
Author(s): *George Riekerk*