

FALL MEETING OF THE
NEW ENGLAND ESTUARINE RESEARCH SOCIETY

OCTOBER 30 - NOVEMBER 1, 1975

Host Institute, MARINE BIOLOGICAL LABORATORY

WOODS HOLE, MASSACHUSETTS

PROGRAM

THURSDAY, OCTOBER 30, 1975

1600-2000: REGISTRATION: Marine Biological Laboratory (MBL) Dormitory
(in the lobby).

PARKING: Please park only in back of dormitory or in
back of Loeb Building. The "Tow-Away" signs mean
what they say!

TELEPHONE MESSAGES: The MBL switchboard and dormitory (617-
548-3705) are open 0800-1700. After 1700, call the same
number to reach the night watchman, who will deliver
messages. Messages can be forwarded from the Woods Hole
Oceanographic Institute (617-548-1420) which has a
switchboard attended 24 hours a day.

CHARGES: The following are payable at registration.
Please make checks out to NEERS.

Registration fee\$7.50	(student \$5.00)
Room (single)15.00	
(double)18.00	(\$9.00 each)
Banquet (Roast beef and ham) 6.75	

MEALS AS DESIRED: Available at MBL Dormitory - Dining Hall;
breakfast \$1.25, lunch \$2.00, Thursday dinner \$2.50.

DUES: Dues for 1975 are payable by everyone; if you
have not already paid your dues please see Paul
Chanley at registration desk.

MEMBERSHIP APPLICATION FORMS: Available from Paul Chanley
or at registration desk; must be filed by mid-afternoon
Friday.

1930 on... BEER BLAST!!!: MBL Snack Bar.

FRIDAY, OCTOBER 31, 1975

0730-0830. Breakfast available at MEL Dormitory-Dining Hall.

0900-1200. Registration - Lobby of MBL Dormitory.

SCIENTIFIC PAPERS: Lillie Hall,
MBL CHAIRPERSON, Robert Radulski
(Southern Connecticut State College).

0900. Inheritance of juvenile shell-color of Urosalpinx cinerea (Prosobranchia: Gastropoda). Timothy J. Cola, Boston University Marine Program, MBL, Woods Hole.
0920. Relative abundance of epipelagic diatoms from Sippewissett Marsh. Birinengi, Idoniboye-Obu, Boston University Marine Program, MBL, Woods Hole.
0940. Population dynamics of the sand shrimp, Crangon septemspinosus. Richard F. Medlin, Marine Research Lab., University of Connecticut, Storrs, Connecticut.
1000. Molecular evolution in the European oyster, Ostrea edulis. Syd Kraul, Ira C. Darling Center, University of Maine at Orono, Walpole, Maine.
1020. COFFEE
1040. Disease control, through water management, in the culture and maintenance of marine invertebrates, Paul Chanley, Louis Leborita and Dave Chanley, Shelter Island Oyster Co., Greenport, L.I., New York and New York State Veterinary College, Cornell University, Ithaca, New York.
1100. Movements of the striped bass (Morone saxatilis) as evidenced by American Littoral Society tag returns, 1963-1974, Lawson W. Grigham, U.S. Coast Guard Academy, New London, Connecticut.
- NO SHOW
1120. Growth and reproduction of two fucoid algae in New Hampshire. Arthur C. Mathieson, John R. O'Shea, Robert C. Hasevlat and John W. Shipman, Jackson Estuarine Lab., University of New Hampshire, Durham, N.H. and Normandeau Associates, Portsmouth, N.H.
- 1200-1230. LUNCH: MBL Dormitory, Dining Hall.
- SCIENTIFIC PAPERS: Lillie Hall, MBL
CHAIRPERSON: Barbara L. Welsh (Marine Sciences
Institute, University of Connecticut) and Larry
J. Kelts (University of New Hampshire).
1320. Contaminant effects on marine resources of the New York Bight. Joel O'Connor, State University of New York, Stony Brook, L.I., New York.

1340. Seasonal abundance and distribution of fish eggs, larvae and juveniles in the Merrimack River Estuary, Massachusetts. Suzan Peterson, University of Massachusetts, Amherst, Mass.
1400. Obtaining and rearing quahog (Mercenaria mercenaria) spawn to setting stage in the natural environment, Sandy Libby, Shellfish-Harbormaster Dept., Orleans, Massachusetts.
1420. Responses of marine ciliates to high thermal stress. Edwin A. Martinez, Dept. of Zoology, University of New Hampshire, Durham, New Hampshire.
1440. Temperature tolerance studies of five species of phytoplankton with specific reference to entrainment at the Salem Harbor Power Station, Salem, Mass. Ellen Levy and Richard Toner, Marine Research, Inc., Falmouth, Massachusetts.
1500. COFFEE
1520. The role of the ciliate Uronema marinum in oyster cultures. Linda Plunket, Ira C. Darling Center, University of Maine at Orono, Walpole, Maine.
1540. The growth of laboratory-reared juvenile surf clams, Spisula solidissima. Wayne D. Cable, Edwin Rhodes and R. Goldberg, Office of the Marine Biologist, Town of Edgartown, Massachusetts, and Natural Marine Fisheries Service, Milford, Connecticut.
1600. Tidal-resuspension of carbon and chlorophyll-2 in Buzzards Bay. Michael Roman, University of New Hampshire and Woods Hole Oceanographic Institute.
1620. A population study on the predatory calanoid Tortanus discavdatus in a New Hampshire estuary and an examination of its prey preferences. David G. Phillips, Zoology Dept., University of New Hampshire, Durham, New Hampshire.
1640. The setting orientation of the oysters Ostrea edulis and Crassostrea virginica. Richard D. Clime, Ira C. Darling Center, University of Maine at Orono, Walpole, Maine.
- 1800-1900. HAPPY HOUR, CASH BAR: Meigs Room, MBL Dormitory.
- 1900-2030. BANQUET: MBL Dormitory, Dining Hall.
- 2030 on... SPECIAL INTEREST GROUPS
1. The Estuary as a Teaching Device - Moderator: Jay Moore, Dept. Biology, Salem State College.
 2. Information Retrieval for the Estuarine Scientist, Moderator: Larry Spencer, Natural Science Dept., Plymouth State College.
 3. The Tidal Marsh: An Importer or Exporter? Moderators: Barbara Welsh and Janet P. Herring, Marine Sciences Institute, University of Conn._

SEE BULLETIN BOARD IN LOBBY OF MEL DORMITORY FOR ROOM ASSIGNMENTS
AND ADDED DETAILS

SATURDAY, NOVEMBER 1, 1975

0730-0830. Breakfast available at MBL Dormitory, Dining Hall.

SCIENTIFIC PAPERS: Lillie Hall, MBL

CHAIRPERSON: Ernest Ruber (Northeastern University).

0900. Rearing and identification of Mya arenaria and Hiatella arctica larvae. Neil B. Savage, Normandeau Associates, Inc., Bedford, New Hampshire.
0920. Larval development of the northern horse mussel, Modiolus modiolus, including a comparison with larvae of Mytilus edulis as an aid in planktonic identification. Richard Lutz and Elizabeth deSchweinitz, Ira C. Darling Center, University of Maine at Orono, Walpole, Maine.
0940. Statistical comparisons between Shannon functions of two communities using information from Preston's log-normal curve. William H. Gilbert, Dept.; Biology, Colby College, Waterville, Maine.
1000. The relationship of substrate heterogeneity and species diversity in a shallow subtidal community. Patrick Clark, Normandeau Associates, Inc., Bedford, New Hampshire.
1020. COFFEE
1040. Factors affecting uptake of ammonium by Gracilaria verrucosa. Louis Ventura, Dept. of Botany, University of Rhode Island.
1100. Studies on the natural history and larval development of the epicaridian parasite, Probopyrus pandalicola (Dern). Mike Dispezio, Boston University Marine Program, MBL, Woods Hole.
1120. Hunting strategies in the squid, Loligo pealei. Francis P. Bowles, MBL, Woods Hole.

1140-1215. BUSINESS MEETING

1230-1330. Lunch available at MBL Dormitory, Dining Hall.

STANDBY PAPERS

1. Transfer between a salt marsh and its estuary: marsh and mud flats, a coupled system. Barbara L. Welsh and Janet P. Herring, Marine Sciences Institute, University of Connecticut, Groton, Connecticut.
2. Bioconcentration of copper at low water levels by the American oyster, Crassostrea virginica. T. R. Hammer, Aquaculture Lab., University of Massachusetts, Amherst, Massachusetts.