

PROGRAM

NEW ENGLAND ESTUARINE RESEARCH SOCIETY

SPRING MEETING

May 2-4, 1974

WOODS HOLE, MASSACUSETTS

REGISTRATION

M B L DORMITORY

SCIENTIFIC SESSIONS

REDFIELD AUDITORIUM, WHOI

EXECUTIVE COMMITTEE

Marie B. Abbott
CONFERENCE CHAIRMAN

Perry Jeffries
PRESIDENT

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SECRETARY/TREASURER

David Dean

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FRIDAY, MAY 3

- 0730-0830. Breakfast available at MBL Dormitory-Dining Hall.
- 0300-0900. Registration. MBL Dormitory.
- 0900-onward. Registration. Redfield Auditorium, WHOI (Please see notes under "Registration" above).

SCIENTIFIC PAPERS: Redfield Auditorium, WHOI H.P. Jeffries, Chairman.

0900. Tidal features of a drowned glacial landscape. A.G. Gaines, Jr., Graduate School of Oceanography, University of Rhode Island, Kingston, R.I.
0920. Coastal circulation in the western Gulf of Maine. A.D. Hartwell, Normandeau Associates, Inc., Bedford, N.H.
0940. The shallow-water benthic community off the New Hampshire coast. W.S. Bosworth, Jr., Normandeau Associates, Inc., Bedford, N.H.
1000. The ecology of the sand-burrowing amphipod Psammonyx nobilis (Amphipoda: Lysianassidae). K.J. Scott, Jackson Estuarine Laboratory, University of New Hampshire, Durham, N.H.
1020. COFFEE
1040. Ecotypic variation in Ammonia beccarii (Linne), an estuarine foraminifer. D. Schnitker, Dept. of Oceanography, Univ. of Maine, Orono, Maine.
1100. The reproductive biology of genus Halisarca Du, iardin (Perifera) in Nahant. W.T. Chen, Dept. of Biology, Northeastern University, Boston, Mass.
1120. Osmoregulatory ability of the rock crab, Cancer irroratus, under osmotic stress. A.C. Cantelmo, F.R. Cantelmo and D.M. Langsam, Dept. of Biology, The City College, New York, N.Y.
1140. Tolerance to salinity stress and osmotic regulation of three species of mud crabs. G.M. Ruddy, Marine Research Laboratory, University of Connecticut, Noank, Conn.
- 1215-1330 BUFFET LUNCH. MBL Dormitory, Dining Hall.
- SCIENTIFIC PAPERS: Redfield Auditorium, WHOI
B. H. Ketchum, Chairman
1330. Mobile discs: A technique to study colonization by macroalgae. M.M. Harlin, Department of Botany, University of Rhode Island, Kingston, R.I.
1350. Nitrogen fixation associated with the marine macroalga, Codium fragile. E.J. Carpenter and W. Head. Woods Hole Oceanographic Institution, Woods Hole, Mass.
1410. The 1972 paralytic shellfish poisoning in New England. S.A. Riggs, Jr., Department of Botany, University of New Hampshire, Durham, N.H. and Woods Hole Oceanographic Institution, Woods, Hole, Mass.

1430. Larval development of the giant scallop, Placopecten magellanicus (Gmelin). J. Culliney, Marine Biological Laboratory, Woods Hole, Mass.
1450. COFFEE
1510. Seasonal hematological variation of winter flounder, Pseudopleuronectes americanus. D.W. Bridges, J.J. Cech, Jr., and D.R. Pedro, TRIGOM, Portland, Maine.
1530. Food chain dynamics of the winter flounder, Pseudopleuronectes americanus fed the polychaete, Capitella capitata. E.J. Chesney, Jr., Woods Hole Oceanographic Institution, Woods Hole, Mass.
550. Benthic Amphipoda of Fishers Island Sound, Connecticut. Seasonal changes in sedimentary factor control of species, feeding type and living habit type distribution. C.K. Biernbaum, Biological Science Group and Marine Research Laboratory, University of Connecticut, Storrs, Conn.
1610. An aquacultural evaluation of Maine Yankee Power Station, Wiscasset, Maine. A. H. Price, III, Ira C. Darling Center for Research, Teaching and Service, (The Marine Laboratory), University of Maine, Walpole, ME.
- 1800-1900. HAPPY HOUR. MBL Dormitory, Meigs Room. Cash Bar.
- 1900-2030. BANQUET. MBL Dormitory, Dining Hall.
- 2030 on. SPECIAL INTEREST GROUPS. Details at registration desk.
- SATURDAY, May 4.
- 0730-0830. Breakfast available at MBL Dormitory, Dining Hall.
- 0815-0945. Registration. Redfield Auditorium, WHOI.
- SCIENTIFIC PAPERS. Redfield Auditorium, WHOI.
R.S. Scheltema, Chairman
0900. Inexpensive modular habitats for juvenile lobsters, Homarus americanus. M.H. Chanley and O.W. Terry, Shelter Island Oyster Co., Greenport, N.Y. and Suffolk County Community College, Selden, N.Y., and Marine Sciences Research Center, State University of New York, Stony Brook, N.Y.
0920. The effect of experimental sewage sludge additions upon populations of the fiddler crab, Uca pugnax (Smith). C.T. Krebs, Boston University Marine Program, Marine Biological Laboratory, Woods Hole, Mass.
0940. Night sampling of estuarine macrozooplankton with buoyed and anchored nets. B.J. McAlice and C.B. Jaeger, Ira C. Darling Center for Research, Teaching and Service (The Marine Laboratory), University of Maine, Walpole, Maine.
1000. COFFEE
1020. Some effects of warm saline effluents. R.D. Turner, Museum of Comparative Zoology, Harvard University, Cambridge, Mass.

1040. The impact of an atomic power plant on thermal conditions in the tidal flats of a Maine estuary. M. Mazurkiewicz, Department of Biology (Portland Gorham) and Department of Oceanography, University of Maine, Walpole, ME.

1100. Microestuarine infaunal distribution patterns in the vicinity of intertidal freshwater springs. T.K. Duncan, Boston University Marine Program, Marine Biological Laboratory, Woods Hole, Mass.

1120-1200. BUSINESS MEETING, Members only.

1200-1300 Lunch available at MBL Dormitory, Dining Hall.

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STANDBY PAPERS:

- I. Reproduction of the polychaete, Nereis diversicolor in thermally modified and unmodified habitats of a Maine estuary. P. Schroeder, Department of Oceanography, University of Maine, Walpole, Maine.
2. Sorting bacterial neuston by light scattering characteristics. C.A. Laws, Harvard University, Cambridge, Mass.
3. Transaminase activity in the heart of rock crab, Cancer irroratus exposed to cadmium salts. E. Gould and R.S. Collier, National Marine Fisheries Service, NOAA, Milford, Conn.
4. In vitro growth characteristics of cellulose decomposing salt marsh fungi. J.J. Cura, Jr., Department of Biology, Northeastern University, Boston, Mass.
5. Salinity versus size gradients for several species of juvenile fish in the Hudson River Estuary. A.J. Janisz, Department of Biology, The City College, New York, N.Y. and Department of Ichthyology, The American Museum of Natural History, New York, N.Y.