

PROGRAM

FALL MEETING OF THE  
NEW ENGLAND ESTUARINE RESEARCH SOCIETY  
OCTOBER 3-5, 1974  
BISHOP CONFERENCE CENTER  
UNIVERSITY OF CONNECTICUT  
STORRS, CONNECTICUT  
203-486-3231

PURPOSE AND METHODS

NEERS exists for the purpose of *bringing* together persons actively engaged in research on estuaries and coastal waters. We meet twice a year -- spring and fall -- at some center of research activity to exchange ideas, renew fellowship and keep tabs on developments. Papers delivered at the scientific sessions are kept informal and are to be "work in progress" rather than completed research.

Our goal is to provide the right setting for discussion and argument, and the efforts of students are encouraged. We offer a place where you can bring your ideas into the open for constructive criticism.

EXECUTIVE COMMITTEE

Perry Jeffries  
*PRESIDENT*

Sung Feng  
*SECRETARY/TREASURER*

David Dean

Joel O'Connor

Johnes Moore

THURSDAY, OCTOBER 3, 1974

- 1700 Registration - Willimantic Motor Inn, Willimantic (about seven miles from the campus), until 1900.
- 1930 Beer Blast - Willimantic Motor Inn.

FRIDAY, OCTOBER 4, 1974

- 0900 Registration - Bishop Conference Center, University of Connecticut, Storrs, until 1200.

SCIENTIFIC SESSION: BISHOP CONFERENCE  
CENTER PERRY JEFFRIES, CHAIRMAN

- 0900 Benthic community structure near the Woods Hole sewage outfall. Jean Nichols Driscoll and Gilbert T. Rowe. Woods Hole Oceanographic Institution, Woods Hole, MA.
- 0920 Reproduction of Nereis diversicolor in cold and warm water environments of the Sheepscot River estuary, Maine. Peter B. Schroeder. Ira C. Darling Center, University of Maine, Walpole.
- 0940 Vitamin B as an ecological factor for centric diatoms in the Gulf of Maine. Dorothy G. Swift, Graduate School of Oceanography, University of Rhode Island, Kingston and Robert R. L. Guillard, Woods Hole Oceanographic Institution, Woods Hole, MA.
- 1000 Some notes on lobster nutrition. Maroira H. Chanley, Greenport, NY.
- 1020 Coffee
- 1040 Ecology and metabolic adaptation of Cancer irroratus (Say). Cindy Jones Fontneau, Normandeau Associates, Inc., Bedford, N.H.
- 1100 Some consequences of increased biological detail in an estuarine ecosystem model. James N. Kremer, Graduate School of Oceanography, University of Rhode Island, Kingston.

FRIDAY, OCTOBER 4, (cont.)

1120 Species diversity of algae attached to exposure panels in the vicinity of a nuclear generating station at Millstone Point, Connecticut. Robert E. Hillman, William F. Clapp Laboratories, Duxbury, MA.

1215 LUNCH, FACULTY ALUMNI CENTER

SCIENTIFIC SESSION: BISHOP CONFERENCE CENTER

JOHN RANKIN, CHAIRMAN

1330 The effects of dissolved lead on the growth of the marine diatom Skeletonema costatum. Richard Rivkin, Dept. of Biology, City College of New York, NY.

1350 The impact of the ctenophore Mnemiopsis leidyi as a predator. Patricia Kremer, Graduate School of Oceanography, University of Rhode Island, Kingston.

1410 The larval development of the wood boring piddock Martesia striata Linnaeus. Paul J. Boyle, Marine Biological Laboratory, Woods Hole, MA and Ruth D. Turner, Museum of Comparative Zoology, Harvard University, Cambridge, MA.

1430 Underwater observations and photographic documentation of the proposed Browns Ledge dump site, Rhode Island Sound. Gilbert L. Chase, Department of the Army, New England Division, Corps of Engineers, Waltham, MA.

1450 Coffee

1510 Heart transaminase in the rook crab, Cancer irroratus, exposed to cadmium salts. Edith Gould, National Marine Fisheries Service, Milford, CT.

1530 The ecology of the burrowing sponge Cliona celata Grant. William K. Macy, Graduate School of Oceanography, University of Rhode Island, Kingston.

1550 The role of U. S. mariculture in meeting human food requirements. Paul Chanley, Shelter Island Oyster Co., Greenport, NY.

1610 Definition of feeding types in marine benthic invertebrate populations: a new approach. Charlene D. Long, 69 Windsor Street, Arlington, MA.

FRIDAY, OCTOBER 4, (cont.)

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- 1800 HAPPY HOUR, FACULTY ALUMNI CENTER, CASH BAR
- 1900 BANQUET, FACULTY ALUMNI CENTER
- 2030 SPECIAL INTEREST GROUPS, DETAILS TO BE ANNOUNCED

SATURDAY, OCTOBER 5, 1974

- 0815 Registration, Bishop Conference Center
- SCIENTIFIC SESSION: BISHOP CONFERENCE  
CENTER DAVID DEAN, CHAIRMAN
- 0900 An engineering approach to estuarine research.  
R. J. Szechtman, Marine Sciences Institute, The  
University of Connecticut, Groton.
- 0920 Power plant entrainment: relative roles of  $\Delta T$ , maximum  
temperature, and entrainment time on zooplankton  
mortality. G. J. Leversee, D. Bertrand, R. Ciullo, C.  
R. Gilmore, Nasson College Biology Department,  
Springvale, ME.
- 0940 The effects of silver on oxygen consumption in  
larval, juvenile and adult surf clams. Margaret  
A. Dawson, National Marine Fisheries Laboratory,  
Milford, CT.
- 1000 Coffee

SATURDAY, OCTOBER 5, (cont.)

- 1020 The growth and nutrient removal efficiency of marine algae at the Environmental Systems Laboratory WHOI. R. Fralick, J. Huguenin, B. Lapointe and C. Gifford, University of New Hampshire, Durham.
- 1040 Cluster analyses of fatty acid distributions in marine organisms. R. P. Jeffries and W. C. Johnson, Graduate School of Oceanography, University of Rhode Island, Kingston.
- 1100 Open
- 1120 BUSINESS MEETING

Applications for membership  
Nomination and election of NEERS  
officers: President and  
Secretary/Treasurer, 1974-76

Nominations:

Nominations for the offices of President and Secretary/ Treasurer shall be made by the outgoing Executive Committee. At least two members shall be nominated for each office, and additional nominations may be made from the floor during the meeting.

Elections:

Election of officers shall be by simple majority of the members present and voting at any meeting. (from the By-Laws of NEERS).

- 1200 LUNCH, FACULTY ALUMNI CENTER

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