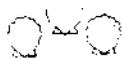


New England Estuarine Research Society



SPRING MEETING

21 - 23 April 1977

Hosts: The University of New Hampshire Marine Program
and the
Department of Earth Sciences, UNH

P R O G R A M

THURSDAY, 21 APRIL

1600 Executive committee meeting

1600-2000 Registration: Ramada Inn

1930 Beer Blast: Revere Room, Ramada Inn

FRIDAY, 22 APRIL

0830-1200 Registration: Memorial Union Building (MUB), UNH

PAPER SESSION: MUB

Chairman: Larry Spencer, Plymouth State College

0830 Opening remarks

Life history strategies among the New England
Coryphellidae (Gastropoda: Nudibranchia). Alan
Kuzirian, Department of Zoology, UNH

0840 Analysis of the ecology of the munnichog, Fundulus
heterocitus, in a New England salt rarsh. Linda
Deegan and Ernie Ruber, Northeastern University

- 0920 Environmental parameters of Ruppia maritima L. populations on New Hampshire tidal marshes. Frank D. Richardson, Department of Botony and Plant Pathology, UNH
- 0940 The effects of oxygen and nitrogen supersaturated seawater on two bivalve mollusks. Ρωναλδ Γωλδβψγγ, NMFS, Milford.
- 1000-1020 Coffee Break
- 1020 The application of a segmented tidal mixing model to the Great Bay estuary, New Hampshire. Wendell Brown, Department of Earth Sciences, UNH
- 1040 A simple explanation of the Georges Bank gyre. W.R. "Red" Wright, NMFS Woods Hole.
- 1100 The value of the Hampton-Seabrook salt marsh. S. Rachel Ross, Department of Botany and Plant Pathology, UNH.
- 1120 The techniques and application of aerial imagery in bathymetric mapping and the distinction of floral communities in near-shore sedimentological surveys. Taylor Loop, New England College, and Joseph Geraci, University of Guelph.
- 1140 Determination of biomass by ATP and organic carbon evaluations in the Thames River, Connecticut. Robin K. Kutz and David A. McGill, U.S. Coast Guard Academy.
- 1200-1400 Lunch, and tour of Jackson Estuarine Laboratory. A van shuttle service to JEL will be available.

PAPER SESSION: MUB

Chairwoman: Mary Farmer, CCNY

- 1410 A study of the meiofauna communities of coastal New Hampshire. Wendy L. Coffin, Normandeau Associates.
- 1430 Studies on subtidal community zonation in the Gulf of Maine. Larry G. Harris, Department of Zoology, UNH
- 1450 The distribution of invertebrates in the rocky shore habitat. Luana Read, Marine Sciences Institute, University of Connecticut.

- 1510 Ecology of two tidal marsh insects, Trichocorixa verticalis (Hemiptera) and Erythrodiplax berenice (Odonata), in New Hampshire. Larry J. Kelts, Department of Zoology, UNH.
- 1530-1550 Coffee Break
- 1550 Patterns of molluscan diversity in salt marshes. Diane J. Brousseau, Wendy Wiltse, and D. Craig Edwards, Department of Zoology, University of Massachusetts at Amherst.
- 1610 Anomalous high temperatures observed in the intertidal zone. Franz E. Anderson, Jackson Estuarine Laboratory and Department of Earth Sciences, UNH
- 1630 Effects of acute exposure to elevated temperature on selected species of zooplankton. Seth Barker and John Stewart, Ira C. Darling Center, University of Maine at Orono.
- 1830 Happy Hour!!!, Cash Bar: Ramada Inn
- 1930 BANQUET: Revere Room, Ramada Inn
- After the Banquet: Special interest groups and social or scientific discourse. So far only Ernie Matson has indicated an interest in organizing a special interest group. He'd like to talk to people interested in pore water organic chemistry. We'll have sign-up sheets for this one and for any others desired.

SATURDAY, 23 APRIL

PAPER SESSION: MUB

Geochemistry of estuaries and biological implications. Chairmen: Galen Jones, UNH and Bill Fitzgerald, University of Connecticut.

- 0830 An estimate of sediment pelletization by an infaunal deposit feeder on an **estuarine** tidal flat. Luther Black and **Franz** Anderson, Jackson Estuarine Laboratory, UNH.
- 0850 Populations of methane-producing and sulfate-reducing bacteria in near-shore marine **sediments**. Mark E. Hines and John D. Buck, University of Connecticut Marine Research Laboratory, Noank.

- 0910 Nutrient flux from estuarine sediments: Determination using pore water profiles and benthic bottom chambers. T.C. Loder, H.D. McGuinness, and S. Murray, Department of Earth Sciences, UNH.
- 0930 Dredge induced remobilization of dissolved ortho-phosphate and particulate organic carbon in the Thames River, Connecticut. John M. Tramontano, Jr., Marine Sciences Institute, University of Connecticut.
- 0950-1010 Coffee Break
- 1010 The organic carbon budget of a small, tidally dominated estuary in southeastern Connecticut. Ernie Matson and John D. Buck, University of Connecticut Marine Research Laboratory, Noank.
- 1030 Detrital standing crop and export from a New England salt marsh. Bob Murray and Ernie Huber, Northeastern University.
- 1050 Decomposition of algal detritus in estuarine and coastal environments. Michael N. Josselyn, Department of Botany and Plant Pathology, UNIT
- 1110 Cation adsorption capacity of phytoplankton: implications for trace metal deposition in Long Island Sound. Carlton D. Hunt, Marine Sciences Institute, University of Connecticut.
- 1130 Business Meeting.
- Standby paper: Chlorin-trace metal associations in recent marine sediments in Great Bay, New Hampshire. Berry Lyons, Henri Gaudette, and Alan Hewitt, Department of Earth Sciences, UNH.
- NOTE: Abstracts of papers will be available for your perusal at the registration desk.
- NOTE WELL: We will be in conflict with another group at the Ramada Inn. To insure that you get lodging there, PLEASE make your reservation AS SOON AS POSSIBLE: Ramada Inn, Silver Street and Spaulding Turnpike, Dover, New Hampshire 03820. Phone 603-742-4100.