

New England Estuarine Research Society

FALL MEETING

October 9 - 11, 1980

Ocean Gate Motor Inn
Southport, Maine

HOST

Bigelow Laboratory for Ocean Sciences
West Boothbay Harbor, Maine

Thursday, 9 October

- 1900 - 2100 Registration - Conference Room, Ocean Gate
1900 - Beer Blast - Music by Danny Beal (Jonesport's finest)
and the NEERS Kazoo Band

Friday, 10 October

- 0800 Registration
0801 Bloody Marys available
- PAYER SESSION -
Moderator - R. Craig Edwards
- 0830 Coexistence in hydrobiid gastropods in high salt marsh pools:
Growth and reproduction.
Michael Mandracchia and Ernest Ruber, Northeastern University
- 0850 The annual cycle and production of *Gammarus mucronatus* from a
high salt marsh pool in northern Massachusetts.
Katherine LaFrance, Northeastern University
- 0910 Population dynamics of the sandy beach amphipod *Haustorius*
canadensis in southern Maine.
Theodore E. Donn, Jr., University of New Hampshire
- 0930 Geographical zonation of sand beach macrofauna in the northern
Gulf of Maine.
Peter F. Larsen and Lee F. Doggett, Bigelow Laboratory

Friday, 10 October Continued

- 0950 The response of an echinoid, *Strongylocentrotus droebachiensis* to an estuarine gradient.
John H. Himmelman, Universite Laval
- 1010 BREAK - "I thought it would never come."
- 1030 Seasonality and the development of northern subtidal communities.
S. Brault, E.W. Hutchinson and E. Bourget, Universite Laval
- 1050 The importance of *Nereis virens* and *Glycera dibranchiata* in structuring intertidal softbottom communities in Maine.
William G. Ambrose, Jr., University of North Carolina
- 1110 Some sandworm-bivalve interactions.
David Dean, University of Maine
- 1130 Mobile predators and the structuring of marine intertidal communities.
R. Craig Edwards, University of Massachusetts
- 1150 - 1320 LUNCH
- PAPER SESSION-Moderator - David Franz
- 1320 Does disturbance of the substrate enhance recruitment of the soft shelled clam (*Mya arenaria*) on tidal flats.
William H. Mook, University of Maine
- 1340 Nitrogen-15 tracer studies of the uptake and remineralization of nitrogen in a subtidal marine bottom community from Narragansett Bay, R.I.
Veronica M. Berounsky and Jonathan H. Garber, University of Rhode Island
- 1400 Distribution and dispersal of resting stages of the New England red tide dinoflagellate.
Carrie Lewis, Bigelow Laboratory and Maine Department of Marine Resources
- 1420 Patterns of primary production and standing stock on Georges Bank.
Jerry Cura and Hugh Mulligan, EG & G
- 1440 Principal areas of vertical mixing in the waters of the Gulf of Maine with reference to phytoplankton productivity.
Charles S. Yentsch, Bigelow Laboratory
- 1500 BREAK

Friday, 10 October Continued

- 1520 Comparison of estuarine and open-ocean responses to trace metals in phytoplankton.
Lynda S. Murphy and Robert R.L. Guillard, Bigelow Laboratory and Woods Hole Oceanographic Institution
- 1540 Availability of estuarine and embayment nursery grounds to larval herring and its possible effect on the Maine herring fishery.
Joseph Graham, Bruce Joule and Ronald Akio, Maine Department of Marine Resources
- 1600 Utilization of a salt marsh creek by juvenile fishes in Minas Basin, Nova Scotia.
Gary Gratto, Truro, Nova Scotia
- 1620 Estimating juvenile winter flounder (*Pseudopleuronectes americanus*) abundance by diver surveys in the Niantic River, Connecticut.
Linda E. Bireley and John A. Castleman, Millstone Environmental Laboratory
- 1640 Yolk utilization in summer flounder (*Paralichthys dentatus*) larvae reared in constant and cyclic temperatures.
D. Michael Johns, W. Hunting Howell and Grace Klein-MacPhee
U.S. Environmental Protection Agency
- 1700 Volleyball, tennis and pool games (ice hockey?)
1800-1900 Happy Hour, Conference Room
1900 Banquet
2030 Business Meeting
2130 Free play

Saturday, 11 October

-PAPER SESSION-
Moderator - Graham Daborn

- 0830 Zooplankton populations and the feeding habits of larval and juvenile anadromous alewives, *Alosa pseudoharengus* (Wilson) in Lake Ainslie, Nova Scotia.
G. Brown, R. Gregory and G.R. Daborn, Acadia University
- 0850 Populations dynamics of four species of decapod larvae from the Hampton-Seabrook area of New Hampshire.
Stephen A. Grabe, Fabry Stephenson and Elizabeth R. Hatch, Normandeau Associates
- 0910 Neuston studies in the Bay of Fundy.
G.R. Daborn and M. Brylinsky, Acadia University
- 0930 On the post-glacial history of *Acartia tonsa* in the Gulf of Maine and Gulf of St. Lawrence.
Bernard J. McAlice (who?), University of Maine

Saturday, 11 October Continued

0950 Long-term and short-term variability in the nutritional quality of *Artemia* as a food source for crustaceans.
D.W. Johns and W.J. Berry, U.S. Environmental Protection Agency

1010 BREAK

1030 Copper budget of Great Bay estuary, N.H.: Revisited.
Wm. Berry Lyons, Peter B. Armstrong, Karen M. Leavitt and Henri E. Gaudette, University of New Hampshire

1050 Who's Afraid of Mac Rocystis?
O.W. Terry, S.U.N.Y., Stony Brook

1110 Release of hatchery reared bay scallops (*Argopecten irradians*) onto a shallow coastal bottom in Waterford, Connecticut.
D.E. Morgan, J. Goodspell, G.C. Matthiessen, J. Gary and P. Jacobson, Millstone Environmental Laboratory and Marine Research, inc.

1130 Survival of the bay scallop, *Argopecten irradians*, at sub-freezing air temperatures.
H. Arnold Carr and Mark Balkowski, Massachusetts Division of Marine Fisheries

1150 Growth rates and sediment patterns of *Mytilus edulis* under various environmental conditions.
Jim Foertch and Milan Keser, Millstone Environmental Laboratory

1300 Boat tour of Boothbay Region STANDBY PAPERS

-How to maintain a high profile at a NEERS meeting without ever going to a paper.
Patricia "Peppermint Patty" Gerrior, address withheld at institution's request

Note - Out-of-pocket papers will be gratefully accepted if anyone has to cancel.