

**NEERS SPRING MEETING
THE GRAND HOTEL
YARMOUTH, NOVA SCOTIA
May 2-5, 1991**

PROGRAM

Thursday, May 2

9:00 p.m. Ferry departs Portland, Maine.
BEER BLAST AND SEASICKNESS PATCH TESTS COMMENCE

Friday, May 3

8:00 a.m. (Weather permitting) Ferry arrives Yarmouth, NS with intrepid and probably slightly worse for wear NEERS people. Patch test results in.

8:00 - 10:30 a.m. Check-in at Grand Hotel, Yarmouth
COFFEE

Scientific Session 1.

- 10:30 Dettman, E. H. *et al.* A steady-state model of dissolved oxygen in the Providence River-Seekonk River estuary, Rhode Island.
- 10:50 Drapeau, D. T. ^KThe role of water column microheterotrophs in summertime oxygen depletion in Long Island Sound.
- 11:10 Johnson, J. ^KThe recycling of inorganic nutrients in the upper water layer of western Long Island Sound during the presence of stratification.
- 11:30 Manuel, J. L. ^K and M. J. Dadswell. Swimming behaviour of juvenile giant scallop, *Placopecten magellanicus*, in relation to size and temperature.
- 11:50 Potts, M. S. ^KEffects of haematopoietic neoplasia on the soft-shell clam.
- 12:30 - 1:30 **LUNCH**

^K Denotes Ketchum Prize candidate

Scientific Session II.

"Bird Symposium" changed to "Tidal Vegetation Symposium"

- 1:30 Dzierzeski, M. J. ^K Vegetative changes in a hydrologically altered salt marsh ecosystem.
- 1:50 Ryder, C. A. *et al.* Sensitivity of an estuarine IBI to individual metrics and temporal variations.
- 2:10 Neill, C. Control of emergent plant production in saline prairie marshes: Do they function like coastal salt marshes?
- 2:30 Mawhinney, K. ^K Mudflats are not all created equal.
- 2:50 Hampson, G. R. and D. M. Burdick. Long-term effects of #2 fuel oil on a salt marsh in Buzzards Bay, MA.
- 3:10 - 3:40 COFFEE AND CRUMPETS?
- 3:40 Geyer, H. E. *et al.* Inverts and algae: the correlation.
- 4:00 Deegan, L. *et al.* Does the index of biotic integrity work in estuaries?
- 4:20 Kaldy, J. E. ^K *et al.* The effects of light and nutrients on the epiphyte assemblages of eelgrass in mesocosms.
- 4:40 Hoven, H. ^K *et al.* The seagrass *Zostera marina* as a trap for larval mussels: the "Honami" effect.
- 5:00 Burdick, D. M. *et al.* Eutrophication of eelgrass communities.
- 5:20 Carlson, N. C. ^K and F. T. Short. Testing transplanting techniques to optimize restoration of *Zostera marina* L.
- 7:00 **BANQUET**

Awarding of the Buck Ketchum Prize for the best graduate student presentation

Special Speaker: Wendy Smith. A scallop aquaculture project in Chile, or "What Kathy and Ed Rhodes are doing in Chile, and my trip to find out."

and then DANCING!!!

Saturday, May 4

Scientific Session III. Gulf of Maine and Bay of Fundy

- 8:10 a.m. Cranford, P. J. and D. C. Gordon. Influence of suspended clay on scallop feeding efficiency and growth.
- 8:30 Orson, R. A. A model for the accumulation of heavy metals in tidal freshwater marsh sediments.
- 8:50 Sung, W. Some observations on dissolved copper and zinc in Boston Harbor.
- 9:10 Burn, P. R. et al. Salinity effects on antennal gland activity in lobster.
- 9:30 Howell, W. H. and W. H. Watson. Differences in the distribution of male and female lobsters in the Great Bay estuary.
- 9:50 Watson, W. H. and W. H. Howell. Movements of lobsters in the Great Bay estuary.
- 10:10 - 10:40 COFFEE AND TEA
- 10:40 Brylinsky, M. and D. C. Gordon. A short-term study on the effects of flounder draggers on benthic communities and habitats in the Bay of Fundy.
- 11:10 Barr, B. W. Stellwagen Bank National Marine Sanctuary: Lessons learned in developing cross-jurisdictional resource management programs.
- 11:30 Elvin, D. W. Applications of a multimedia habitat and taxonomic resource for estuarine research.
- 11:50 Larsen, P. F. KARE -- A novel approach to funding estuarine research.
- 12:30 LUNCH

Saturday afternoon we are planning some field trips to estuaries and beaches in the local area. There may also be a visit to a large seaweed aquaculture plant and the Acadia Biology Field Station on Bon Portage Island.

Sunday, May 5

Ferry departs for Maine.
Tearful farewells.