

New England Estuarine Research Society

SPRING MEETING

24-26 May, 1979

HOSTS: Fisheries and Oceans,
Biological Station, St. Andrews
and
Huntsman Marine Laboratory

PROGRAM

THURSDAY, MAY 24, 1979

1600 Executive Committee Meeting, Algonquin
1900-2100 Registration: Anderson, HML
1930 Beer Blast: Anderson House, HML

FRIDAY, MAY 25, 1979

0800-1200 Registration: Casino, Algonquin Hotel

PAPER SESSION - CASINO

Chairman: Graham Daborn, Acadia University

0830 Opening Remarks

0840 Reproductivity in soft shell clam (*Mya arenaria*) populations north of Cape Ann, Massachusetts.
Neil Savage and Patrick Clark, Normandeau Assoc., Bedford, N.H.

0900 *Mya arenaria* - Nonobligate infauna.
Herbert Hidu, Ira C. Darling Center, Univ. Maine at Orono.

0920 The growth of juvenile bay scallops in a pumped raceway system.
Edwin Rhodes, National Marine Fisheries Service, Milford Connecticut.

1000-1020 COFFEE BREAK

1020 Regulation of an intertidal community by the macroalgae *Ulva lactuca*.
Steven Edwards, Marine Sciences Institute, Univ. Connecticut.

1040 Food and feeding ecology of *Apeltes quadracus* as related to intraspecific competition for available food resource items.
Stephen Souza, Marine Sciences Institute, Univ. Connecticut.

FRIDAY, MAY 25, 1979 (CONT'D)

- 1100 Comparison of the foraging strategies of the American lobster (*Homarus americanus*), the rock crab (*Cancer irroratus*) and the green crab (*Carcinus maenas*).
Robert Elnor, Fisheries & Oceans Canada, St. Andrews.
- 1120 Respiratory physioecology of a salt marsh intertidal, deep burrowing bivalve.
Michael Hutcheson, MacLaren Marex Inc., Dartmouth, N.S.
- 1140 The ecological role of *Asterias vulgaris* in three subtidal communities at the Isles of Shoals, N.H.
Alan Hulbert, Dept. of Zoology, Univ. New Hampshire.
- 1200-1400 LUNCH, TOUR BIOLOGICAL STATION
(Afternoon boat tour and/or bus tour for those accompanying participants)

PAPER SESSION, CASINO

Chairman: Weldon Bosworth, Normandeau Assoc.

- 1410 Ongoing studies into the balance between autochthonous and allochthonous control of detrital dynamics in small estuaries.
B.L. Welsh, Marine Sciences Institute, Univ. Connecticut.
- 1430 The origin and transport of plant macro-litter on a northern Massachusetts salt marsh.
Alan Bronstein and Ernest Ruber, Northeastern University, Boston, Massachusetts.
- 1450 Ecology of Diptera in the supralittoral wrack community of the lower Bay of Fundy and their possible role in nutrient cycling in coastal waters.
Steven Marshall, Ann Konecny, and Michael Dadswell, Carleton University, Ottawa, Ontario, and Fisheries and Oceans Canada, St. Andrews, New Brunswick.
- 1510 Sedimentation and microbial metabolism in a shallow New England estuary.
Ernie Matson and John Buck, Marine Sciences Institute, Univ. Connecticut.
- 1530-1550 COFFEE BREAK
- 1550 Animal-sediment relationships in the upper reaches of the Bay of Fundy: Implications for the development of tidal power.
Michael Risk, Dept. of Geology, McMaster University, Hamilton, Ontario.

FRIDAY, MAY 25, 1979 (CONT'D)

- 1610 Clam digging: How much of a sedimentary disturbance to a tidal flat.
Franz Anderson and Luther Black, Jackson Estuarine Laboratory,
Univ. New Hampshire.
- 1630 New Haven Harbor otter trawl invertebrates.
Paul Ferreira and Andrew McCusker, Normandeau Assoc., Bedford,
N.H.
- 1650 Subtidal benthic studies in New Haven Harbor (CT). A classical approach
in a non-classical system.
Andrew McCusker and David Hartzband, Normandeau Assoc.,
Durham, N.H.
- 1830 HAPPY HOUR, Cash Bar, Algonquin
- 1930 BANQUET, ALGONQUIN DINING ROOM

SATURDAY, MAY 26, 1979

PAPER SESSION, CASINO

Chairman: Michael Risk, McMaster University

- 0830 The benthos and benthic environment of Kennebecasis Bay, N.B., a
fjord-like estuary.
Martin Thomas, Division of Sciences, Univ. New Brunswick at Saint
John, N.B.
- 0850 The internal wave of Kennebecasis Bay, N.B., and its influence on
the benthic environment.
F.H. Page, Division of Sciences, Univ. New Brunswick at Saint John, N.B.
- 0910 A qualitative and quantitative study of the meroplankton in Cobscook
Bay, Maine.
Martha O'Brien, Wellesley College, Wellesley, Massachusetts.
- 0930 Zooplankton of the inner Bay of Fundy.
Graham Daborn, Kim Strong, Carol Gilmurray and Cathy Pennachetti, Dept.
of Biology, Acadia University, Wolfville, N.S.
- 0950-1010 COFFEE BREAK
- 1010 The biology of *Carophium volutator* in the western Minas Basin.
Nova Scotia.
Gary Gratto, Dept. Biology, Acadia University, Wolfville, Nova Scotia.
- 1030 Space utilization by sandy-beach amphipods: Response to physical factors
or biological interactions.
Edward Hatfield and Robert Croker, Jackson Estuarine Lab, University
of New Hampshire.

SATURDAY, MAY 26, 1979 (CONT'D)

- 1050 The ecology of *Hyale nitssoni* (Rathke) 1843, an amphi-Atlantic amphipod.
Clare McBane, Dept. Zoology, University of New Hampshire, Durham, N.H.
- 1110 Preliminary observations on the life history of *Mysis mixta* (Crustacea:Mysidacea) in coastal New Hampshire waters.
Stephen Grabe and Elizabeth Hatch, Normandeau Assoc., Portsmouth, New Hampshire.
- 1130 Substrate as a factor in shrimp distribution.
Ronald McMahon, Marine Research Laboratory, University of Connecticut.
- 1150 Business Meeting

Afternoon: Boat trips, Tour of North American Salmon Center, Rest and Relaxation.

NOTES TO NOTE

Standby papers: No one is now on standby. We will accept out-of-pocket papers if anyone on the program has to cancel.

Pre-registration: PLEASE, if at all possible, send your preregistration forms and money to Mike Dadswell, Biological Station, St. Andrews, New Brunswick, Canada. It will save everyone time and aggravation:

Housing: Enclosed is some propaganda from the St. Andrews people. The yellow sheet has a list of accommodations and camp grounds. The cost for accommodations other than the Algonquin will be about \$20-30/day double occupancy. Hotel reservations must be made directly with the hotel. We urge you to make your reservations as soon as possible. The Algonquin cost is \$19/day/person, no meals, or \$41/day/person with meals, double occupancy. The Algonquin lists a toll free number for reservations: (Point of interest: Sunday, 29 April. New York Times, Travel Section did a feature article on St. Andrews)

NEERS "Rube Goldberg" Award: This great prize is to be awarded for a homemade sampling device. Bring the gear, illustrations, or pictures for display and judging.