

NEW ENGLAND ESTUARINE RESEARCH SOCIETY

Fall Meeting
October 26th, 27th and 28th, 1972

Northeastern University
Boston, Massachusetts

and the

Marine Science Institute
Nahant, Massachusetts

Thursday, October 26th

1930 - on Registration, Beer Blast, Marine Science Institute,
Nahant.

Friday, October 27th

0830 - 0900 Registration, Northeastern University

0900 - 0930 How to Quantify Nektonic Biomass in Estuarine Waters.
Marty Kjelson, Atlantic Estuarine Fisheries Center,
Beaufort, North Carolina.

0930 - 1000 A Study of the Planktonic Distribution of the Tintinnida,
Piscataqua River Estuary, New Hampshire. Donna D. Turgeon,
University of New Hampshire.

1000 - 1030 Glycollic Acid in Sea Water. Richard T. Wright, Gordon
College, Wenham, Massachusetts.

1030 - 1050 Coffee Break

1050 - 1120 The Reproductive Biology and Development of the Terebellid
Polychaete, Nicolea zostericola Oersted. Kevin J. Eckel-
barger, Marine Science Institute, Northeastern University.

1120 - 1140 Ecology of Salt Marsh Pools - Preliminary Estimates of
Primary Production. Gregory Gillis, Northeastern Univ.

1140 - 1210 Microhabitat Preference of the Amphipod Gammarus palustris
Bousfield in the Salt Marshes of New Hampshire.
Michael Gable, Eastern Connecticut State College.

1210 - 1330 Lunch

1330 - 1350 Some Effects of Elevated Temperatures on Diatoms.
Robert W. Crippen, Ira C. Darling Center, Walpole, Maine

1350 - 1420 Aspects of the Biology and Ecology of the Sand-Beach Amphi-
pod, Amphiporeia virginiana. Richard P. Hager, Jackson
Estuarine Laboratory, Durham, New Hampshire.

- 1420 - 1440 Ecology of Zostera marina L. in New England. Stanley Riggs and Richard A. Fralick, Jackson Estuarine Laboratory, Durham, New Hampshire.
- 1440 - 1500 Subtidal Grazing by Lacuna vincta Depletes Local Kelp Beds. Richard A. Fralick and Kenneth Turgeon, Jackson Estuarine Laboratory, Durham, New Hampshire.
- 1500 - 1520 Coffee Break
- 1520 - 1540 Effects of Copper and Cadmium on Oxygen Consumption and Osmoregulation in Two Species of Estuarine Crabs. Frederick P. Thurberg, Margaret A. Dawson and Ries S. Collier, Middle Atlantic Coastal Fisheries Center, Milford Connecticut.
- 1540 - 1610 Feeding Habits of Dentalium entale stimpsoni Henderson (Scaphopoda, Mollusca). Gordon Bilyard, Ira C. Darling Center, Walpole, Maine.
- 1610 - 1640 Pearl Incidence in Mytilus edulis L. and its Relation to Habitat. Richard A. Lutz, Ira C. Darling Center, Walpole, Maine.
- 1640 - 1705 In-Tube Behavior of the Spionid Polychaete, Polydora websteri. Robert Zottoli, Marine Biological Laboratory, Woods Hole, Massachusetts.
- Friday Evening: Shrimp Dinner
- Saturday, October 28th.
- 0900 - 0920 An Evaluation of the Potential for Oyster and Salmon Culture at a Terminated Open Pit Copper and Zinc Mine. Robert S. Mant, Callahan Mining Corporation, Harborside, Me.
- 0920 - 0940 Some Studies of the Laboratory and Field Feeding Patterns of Fundulus heteroclitus and Their Possible Significance in Salt Marsh Pool Systems. Ernest Ruber, Northeastern University.
- 0940 - 1010 A Feasibility Study Concerning the Introduction of the Edible Crab, Cancer magister, into New England Waters. David W. Drew, University of New Hampshire.
- 1010 - 1030 Chromium Accumulation in an Estuarine Environment. Judith M. Capuzzo, University of New Hampshire.
- 1030 - 1100 Toxic Effects of #2 Fuel Oil on Haustoriid Amphipods. Allen D. Michael, Marine Biological Laboratory, Woods Hole, Massachusetts.
- 1100 - 1130 Wood-Inhabiting Marine Fungi from a Rhode Island Estuary. Richard D. Brooks, University of Rhode Island.

1130 - 1200 Protein and Carbohydrate Content and Gonadal Development of Seed Oysters Grown in the Heated Effluent of a Fossil Power Plant. G. M. Ruddy, S. Y. Fing and G. S. Campbell, Marine Research Laboratory and Dept. of Mechanical Engineering, University of Connecticut.

1200 - 1300 Business Meeting
Election of Officers

Friday, October 26th, Standby Papers

A Preliminary Investigation of the Karyotype of the Bay Scallop, Aequipecten irradians. Patricia O. Albert, University of Maine.

The Toxicity of Heavy Metals to Embryos of the American Oyster, Crassostrea virginica. A. Calabrese, R. S. Collier, D. A. Nelson and J. R. Maginnes. NMFS, Milford, Connecticut.

A New Species of the Order Acochlidiacea (Mollusca: Opisthobranchia) from North America. David A. Doe, Marine Science Institute, Northeastern University.

A Preliminary Investigation of the Fine Structure of Larval Sense Organs of European Oysters. Kathleen A. Donnelly, University of Maine.

Ecology of Ichthyoplankton in the Sheepscot River Estuary, Maine. William J. Hauser, University of Maine.

An E.M. Study of the Epithelial "rice grain" inclusions of several opisthobranch molluscs. M. Patricia Morse, Marine Science Institute, Northeastern University.

Distribution of Fish Eggs and Larvae in Narragansett Bay, Rhode Island. Conrad W. Recksiek, Marine Research, Inc. E. Wareham, Mass.

Investigations on the Osmotic Response of Two Populations of Urosalpinx cinerea to Various Salinities. Kenneth Turgeon, University of New Hampshire.

Saturday, October 27th, Standby Papers

Fungi Associated with Tidal Marsh Plants From Rhode Island. Robert V. Gessner, University of Rhode Island.

Influence of Nurse Egg Formation on Larval Development in Colus stimpsoni (Prosobranchia : Baccinidae). David L. West, Marine Science Institute, Northeastern University.

The Environmental Impact of Carbon Dioxide from Fossil Fuel Combustion. Churchill K. Wilcox, Northeastern University.

Some Laboratory Observations of the Life Cycle of the Slipper Limpet, Crepidula fornicata. Edwin W. Rhodes and Neal M. Drawas, NMFS, Milford, Connecticut.