

New England Estuarine Research Society

SPRING MEETING

April 29 - May 1, 1976

at Howard Johnson's Motel, 1052 Boston Port Road (Route 1),
Milford, Connecticut

HOST

National Marine Fisheries Service
Middle Atlantic Coastal Fisheries Center
Milford Laboratory

P R O G R A M

THURSDAY, APRIL 29

1800 - 2100 Registration: Dickens Room

2000 Beer Blast (Orgy): Dickens Room

FRIDAY, APRIL 30

0800 - 0900 Registration: Foyer, Dickens Room

0830 - 1150 Scheduled Papers: Dickens Room

0830 Some physiological responses of striped bass and coho salmon to sublethal levels of Cd. Ries S. Collier, National Marine Fisheries Service, Milford, Connecticut.

0850 Succession and dominance of net phytoplankton in Montsweag Bay, Maine, 1969 - 1975, with a discussion that will hopefully avoid polysyllabic pedantisms such as euryecious and stenecious. Bernard McAlice, Ira Darling Center, Walpole, Maine.

0910 The calculated diffusional input of Cu and Zn from Long Island Sound sediments. Berry Lyons, W. F. Fitzgerald, R. J. Szechtman and C. D. Hunt, University of Connecticut, Avery Point, Groton, Connecticut.

0930 Variations in the growth indices of Mya arenaria L. in cold and warm water environments in the Sheepscot River estuary. T. Archambault, J. Chalfant, and A. West, MARITEC, South Bristol, Maine.

- 0950 Soft-shell clam (Mya arenaria) stocks in Hampton Harbor, New Hampshire, Neil Savage, Normandeau Associates, Bedford, New Hampshire.
- 1010 Coffee Break
- 1030 Larval fish entrainment at Maine Yankee. Paul Lindsay, Ira Darling Center, Walpole, Maine.
- 1050 The structural reorganization of a salt marsh community following a disturbance. David Schneider, S.U.N.Y., Stony Brook, New York.
- 1110 Notes on the reproductive behavior of Nereis succinea in Lowes Cove on the Damariscotta River, Maine. Rob Foster, Ira Darling Center, Walpole, Maine.
- 1130 Effects of thermal pollution on benthic algae in Oyster Creek, Barnegat Bay, New Jersey. Christine Evans, National Marine Fisheries Service, Highlands, New Jersey.
- 1150 - 1245 Lunch: Firemen's Hall
- 1245 - 1350 Tour of the Department of Commerce, NOAA, NMFS, MACFC, USGOC (U.S. Government Of Course) Biological laboratory, Milford Connecticut. The facilities of our host laboratory are indeed remarkable and much interesting research is underway. It is unfortunate more time is not available for this tour. Make the most of it.
- 1410 - 1700 Scheduled papers: Dickens Room
- 1400 Changes in Rock Crab (Cancer irroratus) populations in Montsweag Bay after removal of a causeway. John Ewart, David Dean and Barnaby Porter, Ira Darling Center, Walpole, Maine.
- 1430 A study of mechanical damage of fish larvae entrained at Millstone Nuclear Power Plant. Sandra Nawrocki, Harvard University, Cambridge, Massachusetts.
- 1450 Reciprocal transplant of the seagrass Zostera marina L. Effect of substrate on growth. Mark Fonseca and Jusdon Kenworthy. University of Rhode Island, Kingston, Rhode Island.
- 1510 Break
- 1530 Population establishment in estuarine invertebrates related to intertidal exposure. Herb "The Shirt" Hidu, Ira Darling Center, Walpole, Maine.
- 1550 Heavy metal contributions from a paper mill effluent in the St. Croix estuary, Maine. L. Fink, David Pope, and L. Schick, Ira Darling Center, Maine.
- 1610 The use of nutrient and salinity data for water mass identification in the Great Bay Estuary, New Hampshire. Patricia Glibert and Theodore Loder. Woods Hole Oceanographic Institution, Woods Hole, Massachusetts and University of New Hampshire, Durham, New Hampshire.

- 1630 Production and population dynamics of chironomid insects in an estuarine littoral area. Charles Menzie, The City College, New York, New York.
- 1830 - 1930 Happy Hour Cash Bar: Dickens Room
- 0930 Dinner: Dickens Room
- 2100 Special interest discussion groups: Locations to be announced.
1. Obligations to the client and scientific achievement: the biological consultant's dilemma. Stephen Dudley, Normandeau Associates, Bedford, New Hampshire.
Additional discussion groups will probably be announced at the meeting.

SATURDAY, MAY 1

- 0810 - 1150 Scheduled Papers: Dickens Room
- 0810 Lead and copper in the waters of Raritan and Lower New York Bays. Ruth Waldhauer, Albert Matte and Robert Tucker, National Marine Fisheries Service, Highlands, New Jersey.
- 0830 Dissolved organic matter productivity in Raritan-Lower Hudson Estuary. Jay O'Reilly, James Thomas, and Christine Evans, National Marine Fisheries Service, Highlands, New Jersey.
- 0850 The effects of H₂S containing sea water on the morphology of the Ocean Quahog, Arctica islandica, with emphasis on the ctenidia. Richard Traverse, Northeastern University, Boston, Massachusetts.
- 0910 Seabed oxygen consumption - lower Hudson Estuary to outer New York Bight, U.S.A. James Thomas, William Phoel, Jay O'Reilly and Christine Evans, National Marine Fisheries Service, Highlands, New Jersey.
- 0930 Seasonal maturation and site specificity of Dichelyne bullocki, Strombert and Crites 1972, a nematode parasite of Fundulus heteroclitus, the common killifish. Edward Kuzia, University of New Hampshire, Durham, New Hampshire.
- 0950 Control of bacteria in shellfish hatchery algal cultures, Mattie Chanley and Gene Petrovits, Shelter Island Oyster Company, Greenport, New York and Aquaculture Research Corporation, Dennis, Massachusetts.
- 1010 Coffee Break
- 1030 Carbon:chlorophyll ratios in varying light/nutrient regimes. Mary Farmer, The City College, New York, New York.
- 1050 Stability and fluctuation in intertidal and subtidal invertebrate populations during a five-year study in the Piscataqua River-Great Bay Estuary, New Hampshire. Stephen Dudley, Normandeau Associates, Bedford, New Hampshire.

1110 Seasonal changes in the size distribution of particle concentration, chlorophyll-a, organic carbon and nitrogen in suspended matter in Buzzards Bay, Massachusetts. Michael Roman, University of New Hampshire, WHOI, Woods Hole, Massachusetts.

1130 Retinomotor movements in the yellow and silver phases of the American eel, Anguilla rostrata. Kiernan Mahan, University of Bridgeport, Bridgeport, Connecticut.

1150 - 1152 Business meeting

Stand-by Papers:

1. The effect of nitrogen and iron fertilizers on the growth of Spartina alterniflora in two Connecticut tidal marshes., Daniel Roberts, Connecticut College, New London, Connecticut.
2. Estuarine variability. P. G. Ingram, McGill University. Montreal, Canada.
3. Phylogenetic trends demonstrated by the New England species of Coryphella (Gastropoda: Opisthobranchia). Alan Kuzirian, University of New Hampshire, Durham, New Hampshire. [WITHDRAWN]