

New England Estuarine Research Society



SPRING MEETING

May 6-8, 1982

American Legion Hall
Old Saybrook, Connecticut

HOST

National Marine Fisheries Service
Milford, Connecticut

Thursday, May 6

1900-2100 Registration - American Legion Hall
1900- ? Beer Blast

Friday, May 7

0830 Registration
-PAPER SESSION-Moderator -
Bob Radulski

0830 An evaluation of the Millstone Power Station monitoring program.
I. Shore-zone seines, 1969-1981.
Linda E. Bireley, NUSCo Environmental Lab.

0850 Cycles of abundance in the bottom fishes of the Narragansett
Bay area. H.P. Jeffries, University of Rhode Island

0910 Rhythmic activity patterns in fishes from a boreal salt marsh.
Peter Lamborghini, University of Maine

0930 The habitats of New England hydrobioid gastropods.
Michael Mazurkiewicz, University of Southern Maine

0950 Trends in polychaete systematics and implications for the selection
of names for Georges Bank species.
Charlene D. Long, Taxon, Inc.

1010 BREAK

- 1030 Observations of winter predation by *Asterias forbesii* on various megabenthos of Long Island Sound.
Peter Auster, University of Connecticut
- 1050 The development of the Patagaunset tidal estuarine marshes.
Richard A. Orson, Connecticut College
- 1110 Marsh graminoids and forbs: different ecological function.
Erik Kiviat, Bard College
- 1130 The characterization of macroalgae by fluorescence techniques.
Jerry Topinka and Wendy Korjeff, Bigelow Laboratory for Ocean Sciences
- 1150-1330 LUNCH
- PAPER SESSION-
Moderator - Pris Baillie
- 1330 Oceanographic studies of the Saco River estuary, Biddeford Pool, and Saco Bay, Maine.
William W. Reynolds and Martha E. Casterlin, Gulf of Maine Marine Laboratory
- 1350 Circulation change in an estuary: Limited effects on zooplankton abundances.
B.J. McAlice and G.B. Jaeger, Jr., University of Maine and Dodge Cove Marine Farm
- 1410 Recent advances toward the development of Fundy tidal power
Peter F. Larsen and Jerry Topinka, Bigelow Laboratory for Ocean Sciences
- 1430 BREAK
- 1450 The effects of the organophosphorus mosquito larvicide ABATE on the respiratory rate of a salt marsh amphipod *Gammarus mucronatus*.
Ernest Ruber and Katherine LaFrance, Northeastern University
- 1510 The seasonality of trace metal pore water concentrations in Great Bay, New Hampshire sediments.
W.B. Lyons, H.E. Gaudette, M.J. Spencer and P.B. Armstrong, University of New Hampshire
- 1530 Retention of Co-60 by the sediments of Montsweag Bay, Maine.
Susan Murray, University of Maine

- 1550 Groundwater intrusion into estuarine sediments: a conversion from marine to freshwater microbiology.
Mark E. Hines, Casey O'Donnell, Scott B. Hamberg and Joyce B. Tugel, University of New Hampshire
- 1610 The role of magnetotactic bacteria in nitrogen and iron cycling.
Dennis A. Bazylinski and Richard Blakemore,
University of New Hampshire
- 1630 Long Island Sound dredged material containment study.
Gilbert L. Chase, U.S. Army Corps of Engineers
- 1830-1930 Happy Hour - Legion Hall
- 1930 Seafood Banquet
- 2100 Business Meeting

Saturday, 8 May

-PAPER SESSION-

Moderator - Ed Rhodes

- 0840 An effective method for tagging marine worms.
Bruce J. Joule, Maine Department of Marine Resources
- 0900 Some effects of digging on an intertidal flat containing *Mya arenaria*.
Thomas Hruby, Massachusetts Audubon Society
- 0920 Grow-out of juvenile oysters (*Crassostrea virginica*)
of various lines and ages in three test environments.
J. Choromanski and S. Stiles, National Marine Fisheries Service
- 0940 Growth performance of cytochalazin induced triploid
American oysters and soft-shelled clams.
Herbert Hidu, Standish Allen and Jon Stanley, University of Maine
- 1000 BREAK
- 1020 Connecticut River Mini-symposium
- 1020 Estuarine circulation in the lower Connecticut River. Gregory S.
Horne, Peter C. Patton and Elizabeth L. Sikes, Wesleyan
University
- 1040 Patterns of bedload transport in the Connecticut River estuary.
Frederick N. Scatena, Peter C. Patton and Gregory S. Lorna,
Wesleyan University

- 1100 Adaptive ecology of selected macroinvertebrates associated with Great Meadow, Connecticut River.
John A. Mecham and Patricia O'Brian, College of New Rochelle
- 1120 Tidal fresh and brackish marshes of the Connecticut River
Kenneth Metzler and Ron Rozsa, Connecticut Department of Environmental Protection
- 1140 Dominance and distribution of vascular plant species in one Connecticut River estuarine marsh.
Marjorie M. Holland and Christine Romanowski, College of New Rochelle

ACCOMODATIONS: A block of rooms has been set aside adjacent to our meeting site at Howard Johnson's Motor Lodge, 100 Essex Road, Old Saybrook, CT 06475, (Phone 203-388-5716 or 800-654-2000). Please make early reservations directly with the Lodge. Identify yourself as a NEERS participant to receive special rates which are \$25.00 single, and \$32.40 double (two beds).

SEAFOOD PIG-OUT: By overwhelming demand the spring banquet will be a seafood pig-out. Among the species present will be found *Alosa sapidissima*, *Mercenaria mercenaria*, *Mya arenaria*, and probably *Musca domestica*. Also included are swamp yankee clam chowder, salad, rolls, dessert and coffee. The banquet will be catered by the American Legion, and will cost \$10.00.

LOCAL COMMITTEE: The meeting is being coordinated by Bob Radulski (203-3974293), Ed Rhodes (203-878-2459) and Pris Baillie (203-446-1629). Please feel free to contact them with questions about local arrangements.

REGISTRATION: The NEERS registration desk at the Legion Hall will be open Thursday May 6, 1900-2100, and Friday May 7, 0830-1200. The registration fee is \$7.50. Pre-registration would be greatly appreciated! Make checks payable to NEERS.

DUES: Annual dues (\$6.00) are due at or before the spring meeting. Please include them with your pre-registration if possible. Persons two years in arrears will be dropped from membership immediately after the meeting.

EXECUTIVE COMMITTEE:

Henri E. Gaudette, President
Peter F. Larsen, Secretary-Treasurer
Bernard J. McAlice, Past President
Gilbert L. Chase, Jr.
Kathleen A. Smith