

PROGRAM

JOINT MEETING, NEERS / SNEC AFS

HOWARD JOHNSON'S MOTOR LODGE  
EAST LYME, CONNECTICUT  
1-3 JUNE 1989

HOSTED BY  
NORTHEAST UTILITIES SERVICE COMPANY  
ENVIRONMENTAL LABORATORY

Thursday, 1 June  
0830-1200 Registration

0845 Introductory remarks - Linda E. Bireley, Local Organizer  
Northeast Utilities Environmental Laboratory

0850 Welcoming remarks - William C. Renfro, Director, Northeast  
Utilities Environmental Laboratory

PAPER SESSION I

I marvel how the fishes live in the sea. Shakespeare.

Moderator: Christine Gauthier  
Northeast Utilities Environmental Laboratory

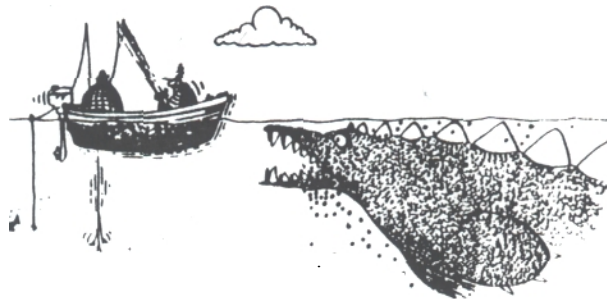
0900 Suzanne G. Ayvazlan, University of Massachusetts, Amherst; L.  
Deegan, Ecosystems Center, MBL, Woods Hole; J.T. Finn, University of  
Massachusetts, Amherst.  
COMPARISON OF NEKTON USE OF ESTUARIES BETWEEN TWO BIOGEOGRAPHIC  
REGIONS: WELLS, MAINE AND WAQUOIT BAY, MASSACHUSETTS.

0920 D. J. Danila, Northeast Utilities Environmental Lab, Waterford, CT;  
STUDIES OF POST-LARVAL JUVENILE WINTER FLOUNDER IN NIANTIC RIVER  
AND BAY FROM 1983 - 1988.

0940 Carol J. Meise-Munns<sup>1</sup>, J. Green<sup>1</sup>, M. Ingham<sup>1</sup>, and D. Mountain<sup>2</sup>;  
(1) NMFS Narragansett, Rhode Island, (2) NMFS Woods Hole,  
Massachusetts.  
INTERANNUAL VARIABILITY IN THE COPEPOD POPULATIONS OF GEORGES  
BANK AND THE GULF OF MAINE.

1000 D.H. Kinzey, University of Massachusetts, Amherst, and L. Deegan,  
Ecosystems Center, MBL, Woods Hole.  
FISH COMMUNITY INFORMATION AS A HABITAT DISCRIMINATOR IN ESTUARINE  
ECOSYSTEMS.

1020-1040 Break.



"IF YOU JUST JIGGLE THE BAIT A LITTLE,  
IT SENDS THEM BIG ONES INTO A FEEDING FRENZY..."

- 1040 # Tom Frank Rusek, Department of Biology, Southeastern  
Massachusetts University.  
POLYCHLORINATED BIPHENYLS IN STRIPED BASS, MORONE SAXATILIS  
(WALBAUM), OF BUZZARDS BAY AND THE ACUSHNET RIVER.
- 1100 F.T. Short, Jackson Estuarine Laboratory, University of New  
Hampshire, Durham, and B. Peterson, Norwich, Connecticut. SCALLOP  
MOVEMENTS IN AN EELGRASS TRANSPLANT SITE.
- 1120 S. Jacobson, P. Kent, and L. Osborn, Cooperative Extension,  
University of Massachusetts Marine Station, Gloucester. SOFT  
CLAM (MYA ARENARIA) CULTURE USING HATCHERY STOCK.
- 1140 J. Robertson and T.M. Bradley, Department of Fisheries, Animal and  
Veterinary Sciences, University of Rhode Island, Kingston.  
HEPATIC ULTRASTRUCTURE OF ATLANTIC SALMON (SALMO SALAR) DURING  
PARR-SMOLT TRANSFORMATION.

1200-1230 Lunch.

I say it's spinach, and I say the hell with it. E.B. White

1230-1330 SNEC AFS business meeting.

1330-1630 Field Trip, Millstone Nuclear Power Station.  
Dress appropriately. Bireley's Botique and Feed Store in nearby  
West Quonichnachichonchitaug has a full line of appropriated  
dress.

1900-2200 Registration and social.

God Almighty has hung out a sign. Daniel Webster.  
A good selection of edibles will be available during this quiet,  
social, gathering time. A time to renew old friendships and  
perpetrate new ones.

The constant interchange of those thousand little courtesies which  
imperceptibly sweeten life. Washington Irving.

:(): DANCE! To the music of has-been President Loder and the Naked  
Flagellants.

:(): SEE! Anne G. and Marshall P. deftly defeat Dave T.'s attempted  
coup.

:(): HEAR! S.O.B. Radulski's khanist exhortations.

:(): TASTE! A liquor never brewed.

Symbols:

# SNEC AFS Best Student Paper Candidate

\* Ketchum Prize Candidate

:(): Cymbals.

S.O.B. Senior Officer of the Brotherhood, or Sweet Old Bob.

Friday, 2 June  
0730-0810 Continental breakfast.

PAPER SESSION II

Bidding his serfs dig deep in marshes old. Arthur Upson.

Moderator: Don Danila

Northeast Utilities Environmental Laboratory

- 0810 G.A. Tracey, SAIC U.S. EPA-ERLN, Narragansett.  
BIOMONITORING OF "BROWN TIDE" ALGAL BLOOMS IN LONG ISLAND SOUND  
EMBAYMENTS.
- 0830 Christine Duerring, Massachusetts Department of Environmental  
Quality Engineering, Lyman School, Westboro.  
BUZZARDS BAY CAGED MUSSEL PILOT BIOMONITORING STUDY.
- 0850 D.J. Brousseau, Department of Biology, Fairfield University,  
Fairfield, Connecticut.  
SEASONAL ASPECTS OF SARCOMATOUS NEOPLASIA IN MYA ARENARIA FROM  
LONG ISLAND SOUND.
- 0910 \* A. Desbonnet, Department of Marine Sciece, University of  
Connecticut, Groton.  
TEMPERATURE, HUMIDITY, AND TERRESTRIAL DISTRIBUTION OF THREE SPECIES OF  
AMPHIPOD CRUSTACEAN.
- 0930 Break.  
There is much more to a school of fish than the fish themselves.  
John Steinbeck.
- 0950 David W. Townsend, Bigelow Laboratory for Ocean Sciences, West  
Boothbay Harbor, Maine.  
IMPLICATIONS OF ESTUARINE-LIKE CIRCULATION IN THE GULF OF MAINE.
- 1010 R.F. Foreman, Boston University Marine Program, Marine Biological  
Laboratory, Woods Hole.  
REGULATION OF PRIMARY PRODUCTIVITY AND CHLOROPHYLLa STANDING STOCKS  
IN SALT MARSH CREEK BOTTOM ECOSYSTEMS.
- 1030 R.N. Buchsbaum, Massachusetts Audubon Society, Gloucester.  
PREDATION BY MUMMICHOGS, FUNDULUS HETEROCLITUS, ON MOSQUITO LARVAE  
IN THREE DIFFERENT SALT MARSH PLOTS IN IPSWICH, MASSACHUSETTS.
- 1050 \* S. E. Saucerman, Department of Forestry and Wildlife Management,  
University of Massachusetts, Amherst.  
DISTRIBUTION AND PRODUCTIVITY OF JUVENILE WINTER FLOUNDER  
(PSEUDOPLEURONECTES AMERICANUS) IN WAQUOIT BAY, MASSACHUSETTS.
- 1110 R.W. Davis, Charles T. Main, Inc., Boston.  
BIOLOGICAL EVALUATION OF BRAYTON POINT STATION UNIT 4 ANGLED SCREEN  
INTAKE.

1130-1300 Lunch.

Ho! 'tis the time of salads. Laurence Stern.

1130-1300

POSTER SESSION

A picture is not wrought by hands alone.

William Wetmore Story.

D.C. Miller, D.E. Body, and J.C. Sinnett, U.S. EPA; and S. Poucher and J. Sewall, SAIC, Narragansett.

DESIGN AND PERFORMANCE OF A SALTWATER LOW DISSOLVED OXYGEN TEST SYSTEM

S.L. Taylor, N. Brodeur, and M. Villalard, Department of Botany, Connecticut College, New London.

PRODUCTIVITY OF ENTEROMORPHA IN THE PATAGUANSET ESTUARY, NIAN TIC, CT.

PAPER SESSION III

The fauna and flora of the sea are as much the creatures of climate...Matthew Fontaine Maury.

Moderator: Joseph Vozarik

Northeast Utilities Environmental Laboratory

1300 A.M. Pregnall, C.M. Maier, and N.C. Roth, Biology Department, Vassar College, Poughkeepsie, New York.

ZOSTERA MARINA LEAF NITROGEN CONTENT AND SEASONAL NITRATE REDUCTASE ACTIVITY.

1320 S.C. Kaiser and C.T. Roman, Center for Coastal and Environmental Studies, Rutgers University, New Brunswick, New Jersey.

ABOVEGROUND GROWTH RESPONSES OF EELGRASS, ZOSTERA MARINA, TO THE REDUCTION OF EPIPHYTIC FOULING BY LITTORINE GRAZING IN A NEW ENGLAND ESTUARY.

1340 K.J. Scott and J.F. Paul, SAIC and U.S. EPA, Narragansett.

AN ECOLOGICAL STATUS AND TRENDS PROGRAM; NEAR COASTAL COMPONENT.

1400 \* E.R. Waterman, Department of Earth Sciences, University of New Hampshire, Durham.

A COMPARISON OF NUTRIENT FLUXES IN THREE NEW HAMPSHIRE SALT MARSH SYSTEMS.

1420 Break.

Where houses thick and sewers annoy the air. Milton.

1440 E.H. Dettman, U.S. EPA-ERLN, Narragansett; F.A. Godshall, Computer Sciences Corp.; and G.A. Tracey, SAIC, Narragansett.

PHYSICAL FACTORS INFLUENCING THE DISTRIBUTION OF DISSOLVED OXYGEN IN THE PROVIDENCE RIVER, NARRAGANSETT BAY, RHODE ISLAND.

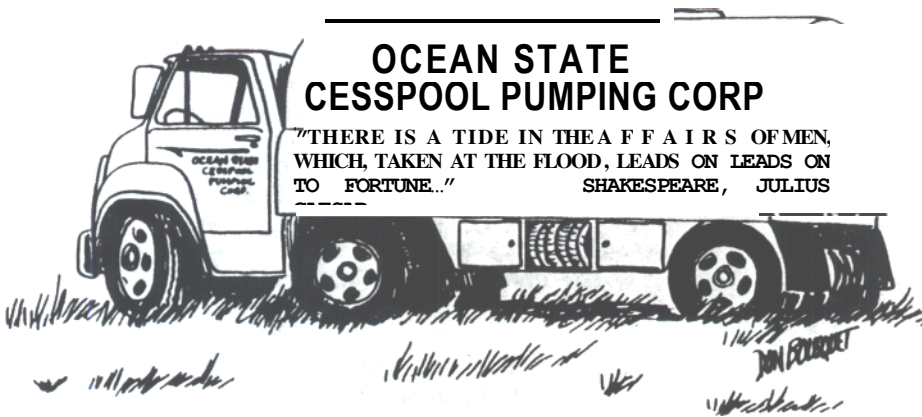
1500 J.Tucker, G.T. Banta, A.E. Giblin, and J.E.Hobbie, The Ecosystems Center, Marine Biological Laboratory, Woods Hole.

A NOVEL TECHNIQUE TO STUDY THE EFFECTS OF ORGANIC MATTER QUALITY ON AEROBIC AND ANAEROBIC DECOMPOSITION.

1520 Tom Hruby, Camp Dresser & McKee, Inc., Boston  
FIELD STUDIES OF DISCHARGES FROM COMBINED SEWER OVERFLOWS IN NEW  
BEDFORD, MASSACHUSETTS.

1540 Kenneth E. Keay, MWRA Harbor Studies Department, Boston, and  
E.D. Gallagher, Environmental Sciences Program, University of  
Massachusetts, Boston.  
ASSESSMENT OF THE SAVIN HILL COVE AND FOX POINT BENTHIC COMMUNITY  
STRUCTURE PRIOR TO MODIFICATION OF THE FOX POINT CSO.

1600 Deborah French, Applied Science Associates, Narragansett.  
RECOVERY OF MUMFORD COVE FOLLOWING ELIMINATION OF SEWAGE LOADING.



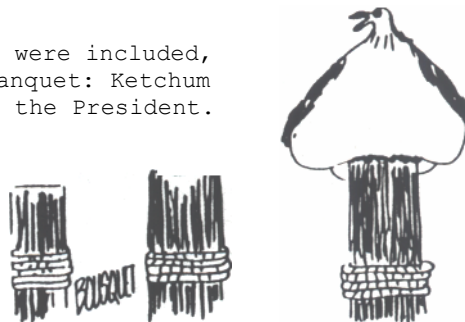
1620-1700 NEERS Business Meeting

1830-1930 Cash bar.

We have, as is our custom, set aside time after the business meeting during which members may go singly or in small groups to reflect upon the events and communications of the day, to seek solace in meditation or medication, and, lest we offend, to indulge in pre-prandial bathing (a sign up list for this will be available).

1930-2130 Banquet.

A most attractive mixed buffet. If blue crab were included, then it would be a jimmy buffet. After the banquet: Ketchum Prize presentation; remarks and encomiums by the President.



'TOO MUCH JUNKFOOD.'

Saturday, 2 June  
0800-0900 Continental breakfast.

PAPER SESSION IV  
A special symposium on the Pattagansett River estuary.

No, 'tis not so deep as a well, nor so wide as a churchdoor; but 'tis  
enough, 'twill serve. Shakespeare.

Co-Moderators: Richard Orson and William Niering

0900 William Niering, Department of Botany, Connecticut College, New  
London.  
OVERVIEW OF CONNECTICUT SALT MARSHES.

0920 R.A. Orson, Center for Coastal and Environmental Studies, Rutgers  
University, New Brunswick, and R.S. Warren and W.A. Niering,  
Department of Botany, Connecticut College, New London. TIDAL  
MARSH DEVELOPMENT IN THE PATTAGANSETT RIVER ESTUARY, NIANTIC,  
CONNECTICUT.

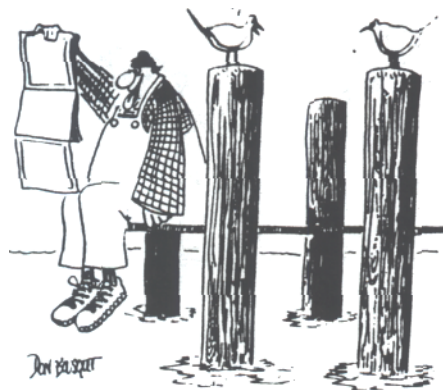
0940 R.S. Warren and W.A. Niering, Dept. of Botany, Connecticut College.  
VEGETATION PATTERNS ON THE PATTAGANSETT RIVER TIDAL MARSHES.

1000 P.E. Fell, B.H. Burnham, and J.H. Williams, Department of Zoology,  
Connecticut College, New London.  
DISTRIBUTION OF MELAMPUS BIDENTATUS AND SUCCINEA WILSONI IN  
CONNECTICUT TIDAL MARSHES.

1020 Break

1040 S.H. Loomis, Department of Zoology, Connecticut College. COLD  
TOLERANCE OF MELAMPUS BIDENTATUS SAY.

1100 T.C. Visel, Connecticut Sea Grant Marine Advisory Program, Groton, and  
H.M. Crawford, New London.  
AN EXAMINATION OF HISTORICAL AND PRESENT-DAY OYSTER POPULATIONS IN THE  
PATTAGANSETT RIVER ESTUARY.



"THIS MONTH'S ISSUE OF 'AMERICAN  
QUAHOGGER' FEATURES A FULL COLOR  
CENTERFOLD OF A STAINLESS STEEL  
TWENTY-EIGHT TOOTH BULLRAKE..."