THE 1984 FALL MEETING
18-20 OCTOBER 1984 *** NARRAGANSETT, RI

JOINTLY HOSTED BY
THE GRADUATE SCHOOL OF OCEANOGRAPHY, UNIVERSITY OF RHODE ISLAND
AND
THE ENVIRONMENTAL RESEARCH LABORATORY, NARRAGANSETT,
ENVIRONMENTAL PROTECTION AGENCY

PROGRAM SCHEDULE ** PRE-REGISTRATION ** COMMUNICATION TO MEMBERS

MEETING SITE: Talks and poster sessions will be held at the Graduate School of Oceanography (GSO-URI) or the Environmental Research Laboratory (ERLN-EPA) in Narragansett, RI. Social events and accommodations will be at Durfee’s at the Pier, five miles down the coast.

Thursday, October 18

1300 - 1730  Eutrophication Symposium, ERLN-EPA Conference Room, program enclosed

1900 - 2200  NEERS Registration--Casino Room, Durfee’s at the Pier

1900 - ????  Beer Blast--same place (bring your kazoos)

Friday, October 19

0800  Registration--Corless Auditorium, Watkins Building, GSO-URI

0800  Poster Set-up--Rm 12, Watkins Building, GSO-URI

0825  Welcome -- Dr. William Brungs, Director, Environmental Research Laboratory, Narragansett. U.S. E.P.A.

PAPER SESSION 1
Session Chair - Walter Berry, University of Rhode Island.

0830  The Shadow Responses of Estuarine Copepods.
      Buskey, E.J., E.Swift, and C. Mann. University of Rhode Island

0850  Notes of Jellyfish Watcher: Evidence That Two Contiguous Populations of Cyanea are Genetically Isolated.
      Brewer, R.H., Trinity College
0910  Microbial Iron Reduction in Enrichment Cultures of Estuarine Sediments.  

0930  Experimental Use of Macrocosm Seagrass Cultures.  
  Short, F.T., University of New Hampshire.

0950  Poster Session and Coffee Break - Rm 12, Watkins Building

PAPER SESSION 2  
Session Chair - Don Gordon, Bedford Institute of Oceanography

1020  Application of Triterpanes and Steranes in Marine Sediments as Indicators of Fossil Fuel Pollution.  
  Requejo, A.G., Battelle New England

1040  Application of Organic Geochemical Techniques to the Study of Contaminated Coastal Sediments.  
  Eganhouse, R.P., University of Massachusetts

1100  Analysis of Trace Organics in Aquatic Environments, Part 1: Di-n-Butyl Phthalate Ester.  
  Libby, A.J., Jr., U.S. Coast Guard R&D Center and UConn Marine Sciences Institute

1120  *The Geochemistry of Dissolved Organic Copper and Chromium in Narragansett Bay Interstitial Waters.  
  Douglas, G.S., University of Rhode Island.

1140  Pathways of Pollutant Entry to Narragansett Bay.  
  Hoffman, E.J., J.S. Latimer, G.L. Mills, C.G. Carey and J.G. Quinn, University of Rhode Island

1200  Lunch Break  
  (Buffet served in Rm 12, Watkins Building)

PAPER SESSION 3  
Session Chair - D. Michael Johns, EPA-Narragansett

1320  A Case Study on the Effects of Contaminated Dredge Spoils on Heart and Ventilatory Rhythms of the American Lobster.  
  Bill, R.G., NOAA, NMFS.

1340  Very Rapid Aquatic Toxicity Testing.  
  Jackim, E. and D. Nacci, EPA Environmental Research Laboratory

  Zajac, R.N., University of Connecticut.
A Comparative Analysis of Growth in Bay Scallops from Southern Rhode Island.
Jones, J.P. and H.M. Rines, University of Rhode Island.

Geologic Control of Molluscan Communities in a Coastal Bay, Western Gulf of Maine.
Shipp, R.C. and S.A. Staples, University of Maine and D.B. Packer, Smithsonian Institution.

Break and Poster session - Rm 12, Watkins Building

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PAPER SESSION 4
Session Chair - Barbara Welsh, University of Connecticut

*Hypsographic Analyses of Narragansett Bay.
Chinman, R.A., University of Rhode Island

Barnstable Harbor Wetlands Classification Using Landsat Thermatic Mapper.
Richardson, K.A., University of Rhode Island.

Ecological Importance of Fundy Salt Marshes.
Gordon, D.C., Jr., P.J. Cranford, and P. Schwinghamer,
Bedford Institute of Oceanography.

The Narragansett Bay National Estuarine Sanctuary
Greene, R., Rhode Island Department of Environmental Management

* denotes Ketchum Prize Papers

BUSINESS MEETING

HAPPY HOUR--Casino Room, Durfee’s at the Pier

BANQUET--same place

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Saturday, October 20

NARRAGANSETT BAY - A LABORATORY AND A RESOURCE

Registration--Corless Auditorium, Watkins Building, GSO-URI

Introductions

Flow Patterns in Narragansett Bay.
Frank White, University of Rhode Island

Post Glacial Geologic History of Narragansett Bay.
Robert McMaster, University of Rhode Island.

Coffee Break
1035  Fish and Fishermen of Narragansett Bay; Past and Present
  H. Perry Jeffries, University of Rhode Island

1100  An Environmentalist’s View of Narragansett Bay.
  Trudy Coxe, Save The Bay, Inc.

1125  Summary and Discussion
  Lynne C. Hanson, Center for Ocean Management Studies

POSTER PAPERS

The Probability of Underwater Resuspension of Estuarine Sediment by Rain.
  Anderson, P.E. and T.C. Shevenell, University of New Hampshire

National Wildlife Refuge System Master Planning and Land Acquisition.
  Chase, G.L., U.S. Fish and Wildlife Service

Evaluation of the Arachiannelid Dinophilus gyroiciatus for Use in Short-term
  Chronic Bioassays.
  Curran, M.D., and R.S. Carr, Battelle New England and M. Mazurkiewicz,
  University of Maine

Sea Grant Work in Estuaries.
  U.R.I. Sea Grant

Hazard Assessment: A Case Study. Field Verification Program--Aquatic Disposal.
  U.S. EPA, Environmental Research Laboratory,-Narragansett.

REGISTRATION: The NEERS registration desk will be open on Thursday, 1900-2200 hours
  at Durfee’s and on Friday, 0800-1100 hours and on Saturday, 0830-1000 hours at GSO-
  URI. Pre-registration is $8.00 (see enclosed form); on-site registration is $10.00;
  registration for Saturday only is $5.00. Do not procrastinate, put that check to
  NEERS in the mail today. (Berry wants your money!)

KETCHUM PRIZE: A prize of $100.00 will be awarded to the student who, in the
  opinion of the prize committee, presents the best paper in terms of scientific
  content and in clarity and professionalism of presentation (including graphics). To
  be eligible, the student must be the sole author of the paper and may not have been
  a previous winner. All Ketchum Prize papers will be presented on Friday.
  Contributions towards the endowment fund for this prize would be greatly appre-
  ciated by NEERS.

SATURDAY MORNING SPECIAL SESSION: How does the past affect the future of our
  estuaries? What can we learn from the physical oceanography of an estuary? These and
  other questions will be addressed by the invited speakers and brought up for
  discussion with the audience during the session on "Narragansett Bay, A Laboratory
  and a Resoruce."

EUTROPHICATION SYMPOSIUM: On Thursday afternoon (October 18) MERL, the Marine
  Ecosystem Research Laboratory at URI, will host an afternoon of presentations on
  nutrient enrichment in coastal waters as seen in both mesocosm and field studies.
  This will be held at ERLN-EPA.
1:00 Introduction to Symposium
   P.L. Donaghay - MERL/GSO/URI

1:10 Nutrients in Narragansett Bay: Background for a Mesocosm
    Eutrophication Experiment
   M.E.Q. Pilson - MERL/GSO/URI

1:20 Effects of Eutrophication on System Production and Respiration
   C.A. Oviatt - MERL/GSO/URI

1:35 Effects of Eutrophication on Planktonic Primary and Secondary
    Production Processes
   P.L. Donaghay and B.K. Sullivan - MERL/GSO/URI

2:00 Benthic Response to Nutrient Enrichment
   J.B. Frithsen, P. Sampou, D.T. Rudnick, J. Maughan and E. Klos
   MERL/GSO/URI

2:15 Changes in the Fate and Cycling of Carbon in Eutrophic Systems
   J.N. Gearing, J. Maughan, P.J. Gearing - MERL/GSO/URI

2:30 Microcosm Nitrogen and Phosphorus Balances: Sediments are not the
    Answer
   R.B. Beach, M.E.Q. Pilson, T. Sowers, S.J. Richards and
   J. Boucher - MERL/GSO/URI

2:45 Break

3:00 Nutrient Enrichment Studies on Chesapeake Bay Subestuary

3:25 Development and Verification of a Simplified Nitrogen Mass Balance
    Model in a Shallow Eutrophied Estuary Seasonally Dominated by
    Ulva lactuca
   M.D. Curtis, D.A. Johnson, B.L. Welsh - Univ. Connecticut

3:45 Is Lower Narragansett Bay Becoming Eutrophic?
   T. Smayda - GSO/URI

4:05 Evaluation of Mechanism Controlling Ecosystems Dynamics Under
    Eutrophication: a Mesocosm Perspective
   P.L. Donaghay - GSO/URI

4:20 Panel Discussion: What have we learned from the alternative approaches
    to the study of eutrophication?

Panel Members: P.L. Donaghay (URI), C.F. D’Ellia (CBL), V. Smetacek (Univ. Kiel,
   W. Germany), T.J. Smayda (URI), M.E.Q. Pilson (URI), V. Bierman
   (EPA-ERL Narragansett)