

New England Estuarine Research Society

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THE 1992 FALL MEETING

5-7 NOVEMBER 1992

HOSTED BY

WELLS NATIONAL ESTUARINE RESEARCH RESERVE

AT

THE VILLAGE BY THE SEA, ROUTE 1, WELLS, MAINE
207-646-1100 or 800-444-8862

PROGRAM

Thursday, 5 November

1900-2200 Registration, Beer Blast, and judging of summer vacation essays. "...and rum was Plato in our heads."

Special presentation:

Road kill cookery, by George Hampson, featuring his award winning puree of flat woodchuck.

Friday, 6 November

0500 Reveille. "We left the haven hanging in the night-"

0600 Session chairs will inspect speakers; neatness counts. "And shall we call her whiter than the snow?"

0800-1200 Registration

SESSION I "You will not hear it as the sea;"

Presiding: (Bush/Perot/Clinton)

- 0845 JIM LIST, Manager, Wells National Estuarine Research Reserve. WELCOME.
- 0850 D. ELVIN, Vermont Information Systems, Shelburne, Vermont.
PRELIMINARY REPORT: NSF WORKSHOP ON "VISUAL DATABASE SYSTEMS FOR THE MARINE SCIENCES".
- 0910 Y.H. WANG and J. O'DONNELL, Department of Marine Sciences,
University of Connecticut, Groton, Connecticut.
K A NUMERICAL COMPUTING OF ESTUARINE COHESIVE SEDIMENT
ENTRAINMENT RATES.
- 0930 PETER F. LARSEN, Bigelow Laboratory for Ocean Sciences, West Boothbay
Harbor, Maine, and HENRI GAUDETTE, EOS/SERB, University of New
Hampshire, Durham, New Hampshire.
FURTHER OBSERVATIONS ON TRACE METAL CONCENTRATIONS IN
THE SEDIMENTS OF MID-COAST MAINE.
- 0950 S.B. KANE, E.D. GALLAGHER, and A.E. MCELROY, Environmental
Sciences Program, University of Massachusetts, Boston, Massachusetts.
K BIOTRANSFORMATION AND ELIMINATION OF BENZO[A]PYRENE
IN THREE SPECIES OF POLYCHAETES.
- 1010-1030 BREAK. "Firmly as coffee grips the taste,"
- 1030 M.S. POTTS, Department of Zoology, University of New Hampshire, Durham,
New Hampshire.
K EFFECTS OF HEMATOPOIETIC NEOPLASIA ON THE SOFT-SHELL CLAM
KIDNEY.
- 1050 P. BURN, R. MOORE, M. ROSOL, A. OLSSON, and S. BARRETT, Suffolk
University and Massachusetts General Hospital, Boston, Massachusetts.
CAN WE DEMONSTRATE DIFFERENCES IN BOSTON HARBOR
FLOUNDER LIVER FUNCTION *IN VIVO*?
- 1110 M.P. ARMSTRONG and J. GUY, Zoology Department, University of New
Hampshire, Durham, New Hampshire.
SEASONAL AND DIEL USE OF A LOW SALINITY MARSH CREEK BY
FISHES IN A NORTH TEMPERATE ESTUARY.
- 1130 NOEL C. CARLSON and FREDERICK T. SHORT, Department of Natural
Resources and Jackson Estuarine Laboratory, University of New Hampshire,
Durham, New Hampshire.
K USE OF BIOTURBATOR (sic) EXCLUSION DEVICES TO PREVENT
LOSSES OF THE TRANSPLANTED SEAGRASS, ZOSTERA MARINA L.

1150-1200 Ablutions. "What laughing chains the water wove..."

1200-1300 Dinner. "An herb, a stray branch among salty teeth,"

SESSION II

"This third, of water, tests the world;"

Presiding: Michele Dionne

1300 S.H. JONES and K.R. O'NEILL, Jackson Estuarine Laboratory, University of New Hampshire, Durham, New Hampshire.
INCIDENCE AND IMPLICATIONS OF VIBRIO VULNIFICUS IN THE GREAT BAY ESTUARY OF MAINE AND NEW HAMPSHIRE.

1320 V.M. BEROUNSKY and S.W. NIXON, Graduate School of Oceanography, University of Rhode Island, Narragansett, Rhode Island. REGULATION AND ROLE OF NITRIFICATION IN NARRAGANSETT BAY.

1340 A.E. GIBLIN, C.S. HOPKINSON, and J. TUCKER, The Ecosystems Center, Marine Biological Laboratory, Woods Hole, Massachusetts. NITROGEN CYCLING IN SEDIMENTS FROM BOSTON HARBOR.

1400 JEROME J. CURA and JONATHAN FRESHMAN, Menzie-Cura and Associates, Inc., Chelmsford, Massachusetts. NITROGEN LOADING TO MASSACHUSETTS BAY.

1420-1440 BREAK. "...nibbling margin grass..."

1440 SILVIO PANTOJA and CINDY LEE, State University of New York at Stony Brook, Stony Brook, New York.

K REMOVAL OF AMINO ACIDS FROM SEAWATER BY CELL-SURFACE OXIDATIVE DEAMINATION

1500 K.H. FOREMAN¹, C. D'AVANZO², and I. VALIELA¹, ¹Boston University Marine Program, Marine Biological Laboratory, Woods Hole, Massachusetts, and ²Department of Natural Science, Hampshire College, Amherst, Massachusetts.
PHYTOPLANKTON AND TOTAL SYSTEM PRODUCTION IN SUBESTUARIES OF WAQUOIT BAY, MASSACHUSETTS, SUBJECT TO DIFFERENT LEVELS OF N-LOADING.

1520 D.R. FRANZ, Biology Department, Brooklyn College CUNY, Brooklyn, New York.
GROWTH, DENSITY AND BIOMASS VARIABILITY AMONG RIBBED MUSSEL POPULATIONS IN JAMAICA BAY, NEW YORK.

1540 D.M. BURDICK and J.W.H. DACEY, Jackson Estuarine Laboratory and Department of Natural Resources, University of New Hampshire, Durham, New Hampshire, and Biology Department, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts. THE POTENTIAL ROLE OF DMSP AS AN OSMOPROTECTANT IN SPARTINA.

1600 BUSINESS MEETING. “Slowly the sun's red caravel drops light...”

Presiding: President Townsend Agenda:

Secretary's report

Treasurer's report

Election of officers

Nominating Committee slate is,

for President-elect:

MIKE DADSWELL, Acadia University

DAVE FRANZ, Brooklyn College;

for Secretary-Treasurer:

BRAD BARR, Massachusetts Coastal Zone Management

BOB BUCHSBAUM, Massachusetts Audubon Society

We welcome nominations from the floor as well.

Other stuff

Change of command. “Keen instruments, strung to a vast precision...”

1900 BANQUET. “...when you steal a chicken just save me the wing...”

Awarding of Ketchum Prize. “Yet no delirium of jewels!” Announcements

Slides of NEERS members, by Succubus Graphics

Possible field trip to Portsmouth. “The long moan of a dance is in the sky.”

Saturday, 9 May

0600 Morning prayer and choir practice, on the beach. “And if they take your sleep away sometimes...”

SESSION III

“...old reprobates With racetrack jargon”

Presiding: (Clinton/Bush/Perot)

0900 F.T. SHORT AND D.M. BURDICK, Jackson Estuarine Laboratory and Department of Natural Resources, University of New Hampshire, Durham, New Hampshire. RECOVERY OF EELGRASS, ZOSTERA MARINA, IN THE GREAT BAY ESTUARY; SURVIVING THE WASTING DISEASE.

0920 BERNARD J. Mc ALICE, Department of Oceanography and Darling Marine Center, University of Maine, Walpole, Maine. PRODUCTION AND CARBON TRANSFER IN THE GULF OF MAINE: DO THE NUMBERS MAKE SENSE?

0940 T.C. LODER III and S. BECKER, EOS, University of New Hampshire, Durham, New Hampshire. NUTRIENT DEEP DOINGS WEST OF CAPE COD.

1000 We have room here for a couple of out of pocket papers or wild speculations.

1020 -1040 BREAK. "Oh I remember watermelon days!"

1040 Open discussion, with a panel of provocateurs.
What do we need to know about interactions between estuaries and coastal waters?

Controller: TED LODER

Panel: JERRY CUBA, LINDA DEEGAN, PETER LARSEN, BERNIE Mc ALICE

1200 Benediction and dismissal. "Write me from Rio..."

Quotations in the program are from a long work by a major American poet.
Special recognition will be given to the first person correctly naming both at the meeting.