

SPRING MEETING

20-22 MAY 1993

HOSTED BY

UNIVERSITY OF CONNECTICUT MARINE SCIENCES INSTITUTE and MARINE SCIENCES DEPARTMENT, THE CONNECTICUT SEA GRANT COLLEGE PROGRAM and PROJECT OCEANOLOGY
AVERY POINT, GROTON, CONNECTICUT

Thursday, 20 May: 1900-2200 Registration and Social at the Ramada Inn, Mystic, CT

Friday, 21 May: 0800-1200 Registration at Branford House, University of Connecticut, Avery Point, Groton, CT.

Poster Session and Paper Sessions on Friday and Saturday at Branford House University of CT Avery Point

Posters:

BARBARA WELSH, Marine Sciences Department, University of Connecticut, Groton. LONG ISLAND SOUND ECOSYSTEM: A PARADIGM OF PHYSICAL STRUCTURE AND BIOLOGICAL RESPONSE.

PETER AUSTER & COMPANY, NOAA National Undersea Research Center Marine Science Institute, University of Connecticut. ROV AND MANNED SUBMERSIBLES. NEW VISTAS IN UNDERSEA SCIENCE.

Paper Sessions:

K: Ketchum Prize candidate

R: Rankin Prize candidate

SESSION I (Friday Morning):**Presiding: HANS DAM, University of Connecticut**

0830 ROBERT L. WHITLATCH, Head, Marine Sciences Department, Univ. of Connecticut. WELCOME.

0840 DAVID R. FRANZ, Biology Department, Brooklyn College CONY, Brooklyn. RESOURCE ALLOCATION IN RIBBED MUSSELS (GEUKENSIA DEMISSA).

K0900 TIMOTHY R. GLEASON and DAVID A. BENGSTON, Zoology Department, University of Rhode Island, Kingston. SIZE-SELECTIVE PREDATION OF LARVAL AND JUVENILE INLAND SILVERSIDES, MENIDIA BERYLLINA.

0920 Paper Withdrawn. Substitution to be announced.

K0940 JODY BERMAN, Zoology Department, University of New Hampshire, Durham. THE ROLE OF SCALE IN DETERMINING THE APPARENT EFFECTS OF BIOLOGICAL INVASIONS: RECRUITMENT PATTERNS OF TWO COLONIAL ASCIDIANS.

1000-1020 BREAK.

1020 M.G.LAMONTAGNE, Boston University Marine Program, Woods Hole. COMPARISON OF DIRECT AND INDIRECT MEASUREMENTS OF DENITRIFICATION IN ESTUARINE SEDIMENTS.

K1040 G.N.COLLINS, Boston University Marine Program, Woods Hole. ASSESSING UNCERTAINTY OF NITROGEN LOADING ESTIMATES TO COASTAL SYSTEMS.

1100 JOSEPH N. BOYER, Institute of Ecosystem Studies, Millbrook, New York. THE CONTRIBUTION OF BACTERIA TO PLANKTONIC NITROGEN DEMAND OF THE NEUSE RIVER ESTUARY, NORTH CAROLINA.

K1120 JERRARD J. WHITTEN, Department of Resource Economics and Development, and FREDERICK T. SHORT, Department of Natural Resources, Jackson Estuarine Laboratory, University of New Hampshire, Durham. JUVENILE LOBSTERS FOUND RESIDENT IN EELGRASS BEDS MAY FUNCTION TO IDENTIFY CONTAMINANT SOURCES.

1140 RICHARD A. ORSON, Najarian Associates, Inc., Eatontown, New Jersey, and R.S.WARREN and W.A.NIERING, Botany Department, Connecticut College, New London. ACCELERATED SEA LEVEL RISE AND TIDAL MARSH DEVELOPMENT AT BARN ISLAND, STONINGTON, CT. - WORK IN PROGRESS.

1200-1300 LUNCH.

2

SESSION II (Friday Afternoon): Presiding: MICKEY WEISS, Project Oceanology

- 1300 ROMAN ZAJAC, Department of Biological and Environmental Sciences, University of New Haven, West Haven. INFAUNAL COMMUNITIES IN LONG ISLAND SOUND: A BENTHOSCAPE APPROACH.
- K1320 EDWARD C. DEANGELO and THOMAS TORGERSEN, Department of Marine Sciences, University of Connecticut, Groton. POREWATER TRANSPORT IN WESTERN LONG ISLAND SOUND AND ITS RELATION TO BENTHIC COMMUNITY STRUCTURE.
- RI340 JESSICA SPELKE and PAUL E. FELL, Department of Zoology, Connecticut College, New London. GROWTH AND FECUNDITY OF THE TIDAL MARSH SNAIL, MELAMPUS BIDENTATUS, FROM DIFFERENT REGIONS OF A TIDAL MARSH COMPLEX IN CONNECTICUT.
- K1400 PAMELA L. ARNOFSKY, Biology Department, Northeastern University, Boston. A NEW SPECIES OF THE COPEPOD GENUS APOCYCLOPS.
- 1420-1440 BREAK.
- K1440 NOEL C. CARLSON and FREDERICK T. SHORT, Department of Natural Resources and Jackson Estuarine Laboratory, University of New Hampshire, Durham. WINTER SURVIVAL OF FALL TRANSPLANTED EELGRASS AND ITS RELATION TO DONOR PLANT CHARACTERISTICS.
- K1500 BLAINE S. KOPP, Graduate School of Oceanography, University of Rhode Island, Narragansett. THE IMPACT OF NUTRIENT ENRICHMENT ON THE TISSUE ANATOMY AND STRUCTURAL INTEGRITY OF EELGRASS, ZOSTERA MARINA L.
- K1520 MARI BUTLER and HANS DAM, Department of Marine Sciences, University of Connecticut, Groton. FECAL PELLET PRODUCTION RATES AND PELLET CHARACTERISTICS OF ACARTIA TONSA UNDER SIMULATED BLOOM CONDITIONS.
- 1540 FREDERICK T. SHORT, Department of Natural Resources, Jackson Estuarine Laboratory, University of New Hampshire, Durham. GREAT BAY ESTUARY: A PRISTINE PANDORA'S BOX.
- 1600 SETH YARISH and MICKEY WEISS, Project Oceanology, University of Connecticut, Groton. OVERVIEW OF PROJECT OCEANOLOGY'S STUDY OF HYPOXIA IN THE THAMES RIVER ESTUARY.
- 1630-1900 Project 0 Cruise, OR Beer, Wine, Volleyball in front of Branford House for Landlubbers
- 1900 Lobster/Chicken Bake at Branford House
KETCHUM and RANKIN PRIZE CANDIDATES: You are all our GUESTS at the Banquet, where we will be awarding the Ketchum and Rankin Prizes.

0845 **BUSINESS MEETING** Chris D'Elia, president of ERF will be here to talk with us about the future of NEERS and ERF.

SESSION III (Saturday Morning): Presiding: PAUL E. FELL, Connecticut College

0920 ROBERT NAWOJCHIK, Mystic Marinelifelife Aquarium, Mystic. MARINE MAMMALS OF LONG ISLAND SOUND.

0940 PAUL GEOGHEGAN, Normandeau Associates Inc., Bedford, New Hampshire. IS DEVELOPMENT IN AQUATIC VEGETATED AREAS ALWAYS DETRIMENTAL TO WATER QUALITY AND FISHERIES RESOURCES? A CASE STUDY.

1000 KATHERINE A. FOGARTY and CHARLES A. MENZIE, Menzie-Cura & Associates, Inc., Chelmsford, and JAMES GOLDSTEIN, Tellus Institute, Boston. DIAGNOSING POLLUTION PROBLEMS IN THE WEYMOUTH FORE RIVER.

1020-1040 BREAK.

1040 BETTY BOROWSKY and PAMELA AITKEN-ANDER, Osborn Laboratories of Marine Sciences, New York Aquarium, Brooklyn. SUBLETHAL EFFECTS OF POLLUTANTS ON GAMMARID AMPHIPODS IN ESTUARIES.

1100 MATTHEW LIEBMAN, US EPA Region 1, Boston. DO PARASITIZED SNAILS LIVE LONGER?

1120 KELLY GESTRING and PETER SALE, Center for Marine Biology, University of New Hampshire, Durham. DISTRIBUTION AND ABUNDANCE OF LARVAL AND JUVENILE STAGES OF COASTAL FISHES IN THE GREAT BAY ESTUARY.

1140 D.M.BURDICK(1,2), D.BRITTON(2), D.PORTER(3), and F.T.SHORT(1,2). 1: Department of Natural Resources, 2: Jackson Estuarine Laboratory, University of New Hampshire, Durham, 3: Botany Department, University of Georgia, Athens. SALINITY AND LIGHT EFFECTS ON THE SPREAD OF WASTING DISEASE IN EELGRASS PLANTS.

1200 ROBERT BUCHSBAUM and CINDY DELPAPA, Massachusetts Audubon Society, Wenham. DOES THE EVOLUTIONARY HISTORY OF EELGRASS AS A SUBMERGED PLANT EXPLAIN ITS LACK OF RESISTANCE TO WASTING DISEASE?