

NEERS FALL 2008 MEETING PROGRAM

October 16-18, 2008 - Block Island, Rhode Island

Meeting Synopsis

Thursday, Oct 16: 12:00 PM – 9:00 PM

Arrive on Block Island, Meeting Registration, Lunch, Global Climate Change Symposium, Welcoming Social, Dinner, Evening Discussion Group

Friday, Oct 17: 8:00 AM – 10:00 PM (or beyond)

Meeting Registration, Contributed Oral Presentations, Lunch, Poster Session, Business Meeting, Social, Student Awards Banquet, Entertainment and Dancing

Saturday, Oct 18: 8:30 AM – 12:30 PM plus optional Field Trip

Scientific Communications Workshop, Contributed Oral Presentations, Concluding Remarks, Block Island field trip, Depart Block Island

All talks are in Victoria's Parlor, all posters and exhibits are in the Sunroom Wing, and all meals are in the Dining Room of the Spring House Hotel

Thursday, October 16, 2008

8:30 AM	Be at ferry dock in Pt. Judith for 9:00 Block Island ferry OR
10:30 AM	Be at ferry dock in Pt. Judith for 11:00 Block Island ferry
11:00 AM – 12:00 PM	Meeting Registration (on 11:00 Block Island Ferry)
12:15 PM – 1:25 PM	Buffet lunch (included with Pre-Registration) and Hotel Check In
12:30 PM – 1:30 PM	Meeting Registration (Spring House foyer)
1:30 PM – 5:00 PM	Global Climate Change Symposium
4:30 PM	Still on the mainland? Catch the 5 PM ferry to the meeting.
5:00 PM – 7:00 PM	Welcoming Social. Poster Set-Up
7:00 PM – 9:00 PM	Buffet dinner (pick your own seating time)
9:00 PM - ?	Evening Discussion Group (Guest house)

SPECIAL SYMPOSIUM

Global Climate Change in Estuaries & Coasts: Impacts and What We Can Do About Them
Session Chair = Walter Berry, USEPA

1:30 Welcome and Introduction – Walter Berry, USEPA & Veronica Berounsky, GSO-URI

1:45 Nixon*, Scott W.¹, R. W. Fulweiler², B. A. Buckley¹, S. L. Granger¹, B. L. Nowicki¹, and K. M. Henry³

¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

²Dept. of Earth Sciences, Boston University, Boston, MA

³Oceanography and Coastal Sciences, Louisiana State University, Baton Rouge, LA
THE IMPACT OF CHANGING CLIMATE ON PHENOLOGY, PRODUCTIVITY,
AND BENTHIC-PELAGIC COUPLING IN NARRAGANSETT BAY

- 2:10** Collie*, Jeremy S., A. D. Wood, and H. P. Jeffries
Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
LONG-TERM DATA REVEAL CLIMATE FORCING OF A COASTAL FISH
COMMUNITY
- 2:35** Boothroyd, Jon C.
Department of Geosciences, University of Rhode Island, Kingston, RI
COASTAL GEOLOGIC HAZARDS AND CLIMATE CHANGE
- 3:00** **BREAK**
- 3:20** Fugate, Grover J.
Rhode Island Coastal Resources Management Council, Stedman Government Center,
4808 Tower Hill Road, Wakefield, RI
CLIMATE CHANGE – IMPLICATIONS FOR THE RHODE ISLAND COAST
- 3:45** Lord, Peter B.
The Providence Journal Company, Providence, RI
IMPROVING PUBLIC PARTICIPATION IN PROTECTING ESTUARIES & COASTS
AS WE COPE WITH CLIMATE CHANGE
- 4:10** PANEL DISCUSSION (For those not staying overnight on the island, you must leave at
4:30 to catch the 5pm ferry to Point Judith)
- 5:00** Symposium Adjourns
- 5:00 – 7:00 PM** **NEERS Welcoming Social. Poster Set Up**
- 7:00 – 9:00 PM** **DINNER (included with hotel room)**
- 9:00 - ??** **Evening Discussion Group (Guest house)**

Friday, October 17, 2008

Please note: if you want to attend the Friday morning session before the break, you must take a Thursday ferry. The Friday morning ferry leaves Pt. Judith at 9 and gets to Block Island at 10.

7:00 AM – 7:55 AM Continental Breakfast (included with hotel room), Poster set-up

7:00 AM – 8:00 AM Meeting Registration (Spring House Foyer)

8:00 – 12:10 PM Oral Presentations

12:10 PM – 1:15 PM Lunch

1:20 PM – 3:00 PM Oral Presentations

3:00 PM – 4:00 PM Break and Poster Presentations

4:00 PM – 5:20 PM Oral Presentations

5:20 PM – 6:00 PM NEERS Business Meeting with elections

6:00 PM – 7:00 PM NEERS Social

7:00 PM – 9:00 PM Banquet and Student Awards

9:00 PM-???

Entertainment and Dancing

ORAL PRESENTATIONS

Session Chair = Session Chair = Pam Neubert, ENSR

* denotes presenter, **(K)** denotes Ketchum Prize candidate, **(R)** denotes Rankin Prize candidate

- 8:00** Welcome and Introductory Remarks – Robert Buchsbaum, NEERS President
- 8:10** Knee, Kelly
Applied Science Associates, 55 Village Square Drive, South Kingstown, RI
VISUALIZATION OF COASTAL FLOODING
- 8:30** Tilburg*, Christine M.¹, H. S. Elwell², C. E. Tilburg³, and G. S. Lines⁴
¹Gulf of Maine Council on the Marine Environment Ecosystem Indicator Partnership
²Tufts University; ³University of New England; ⁴Environment Canada
CLIMATE CHANGE INDICATORS IN THE GULF OF MAINE: STATUS AND TRENDS
- 8:50** **(K)** Hoover*, Mark and D. Civco
Department of Natural Resources Management and Engineering, University of Connecticut, 1376 Storrs Rd Unit 4087 Storrs, CT
CONNECTICUT'S CHANGING SALT MARSHES: A REMOTE SENSING APPROACH TO SEA LEVEL RISE AND POSSIBLE SALT MARSH MIGRATION
- 9:10** Donnelly, Grace M.
147 Sixth Street, Providence, RI
SALT MARSH SELF-REPAIR WITHIN A CONSTRUCTION SITE
- 9:30** **(R)** Marsters*, Johanna A. and P.A. Morgan
Dept. of Environmental Studies, University of New England, Biddeford, ME
ASSESSMENT OF AN IMPACTED FRINGING SALT MARSH AND AN EXPERIMENTAL APPROACH TO RE-VEGETATION OF BARE PATCHES
- 9:50** Johnson, D. J.¹, and Brita J. Jessen*²
¹Dept. of Biological Sciences, Louisiana State University, Baton Rouge, LA
²Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
DO SPUR-THROATED GRASSHOPPERS, *MELANOPLUS* spp. (ORTHOPTERA: ACRIDIDAE), EXERT TOP-DOWN CONTROL ON SMOOTH CORDGRASS *SPARTINA ALTERNIFLORA* IN NORTHERN NEW ENGLAND?
- 10:10 BREAK**
- 10:30** Elmer, Wade H.
The Connecticut Agricultural Experiment Station, New Haven, CT
INFLUENCE OF DROUGHT AND SALINITY ON INFECTION OF *SPARTINA ALTERNIFLORA* BY A PATHOGENIC *FUSARIUM* SPECIES

- 10:50** LaMondia, James A.¹ and W. H. Elmer²
The Connecticut Agricultural Experiment Station, ¹Windsor, CT, and ²New Haven, CT
MELOIDOGYNE SPARTINAE AND A *FUSARIUM* SP. AS POSSIBLE STRESSES
ASSOCIATED WITH DECLINE OF THE SALT MARSH GRASS *SPARTINA*
ALTERNIFLORA
- 11:10** Burn, Peter
Biology Department, Suffolk University, 41 Temple St., Boston MA
AMMOPHILA DIEBACK IN MASSACHUSETTS
- 11:30** (K) Mozdzer*, Thomas J. and J. C. Zieman
University of Virginia, Department of Environmental Sciences, Charlottesville, VA
ECOPHYSIOLOGICAL DIFFERENCES BETWEEN *PHRAGMITES* LINEAGES
FACILITATE THE EXPANSION OF THE INTRODUCED TYPE
- 11:50** (R) Rossiter*, Stephen and R. S. Warren
Connecticut College, New London, CT
MANGROVES AS REEF FISH NURSERY HABITAT: PRUNING MANGROVES
PRUNES FISH
- 12:10 LUNCH (included with Registration)**

ORAL PRESENTATIONS

Session Chair = Hilary Neckles, USGS

- 1:20** (K) Day*, William and S. Menden-Deuer
Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
FINDING THE ALL YOU CAN EAT BUFFET: DO PREY PATCHES SUPPORT
FAST PREDATOR GROWTH?
- 1:40** Judge*, Michael L.¹, and J. J. Fitzpatrick²
¹Department of Biology, Manhattan College, Riverdale, NY
²HydroQual, Inc, Mahwah, NJ
NUMERICAL EVALUATION OF LARVAL SURVIVAL IN LONG ISLAND SOUND
AS INFLUENCED BY EXPOSURE TO VARYING LEVELS OF DISSOLVED
OXYGEN
- 2:00** (R) Hayes*, Sarah¹, K. Cavaliere², V. Berounsky³, D. Borkman³, R. Bell³, and S. Pratt³
¹Tufts University, Medford, MA
²Providence College, Providence, RI
³Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
RECOVERY OF THE PETTAQUAMSCUTT (NARROW) RIVER ESTUARY
FOLLOWING AN OVERTURN IN OCTOBER 2007

2:20 (K) Heffner, Leanna R.¹, A. Oczkowski¹, S. W. Nixon¹, C. Thornber², R. McKinney³, and S. L. Granger¹

¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

²Department of Biological Sciences, University of Rhode Island, Kingston, RI

³U.S. Environmental Protection Agency, Atlantic Ecology Division, Narragansett, RI

DISTRIBUTION OF ANTHROPOGENIC NITROGEN IN MACROALGAE OF NARRAGANSETT BAY

2:40 (K) Longval*, Brooke A. and C.A. Oviatt

Graduate School of Oceanography, University of Rhode Island, Narragansett RI

BIOMASS SPECTRA INDICATE THE EFFECTS OF DISTURBANCE ON THE STRUCTURE OF THE FISH COMMUNITY IN NARRAGANSETT BAY, RI

3:00 – 4:00 BREAK AND POSTER PRESENTATIONS

* denotes presenter, **(D)** denotes Dean Prize candidate, **(W)** denotes Warren Prize candidate

Anthony, A.¹, J. Atwood², P. August^{2,3}, Carrie Byron*⁴, S. Cobb⁵, C. Foster^{3,6}, C. Fry¹, A. Gold^{2,3}, K. Hagos⁴, L. Heffner⁷, Q. Kellogg^{2,3}, K. Lellis², J. Opaluch^{1,3}, C. Oviatt^{3,7}, A. Pfeiffer-Herbert⁷, N. Rohr⁵, L. Smith⁷, T. Smythe⁸, J. Swift^{3,9}, and N. Vinhateiro⁷ (The authors are listed in alphabetic order. Senior authorship is not assigned.)

University of Rhode Island: ¹Department of Environmental and Natural Resource

Economics; ²Department of Natural Resources Science; ³Coastal Institute; ⁴Department of Fisheries, Animal, and Veterinary Science; ⁵Department of Biological Sciences;

⁶Department of Philosophy; ⁷Graduate School of Oceanography; ⁸Department of Marine Affairs; ⁹Department of Communication Studies

COASTAL LAGOONS AND CLIMATE CHANGE: ECOLOGICAL AND SOCIAL RAMIFICATIONS IN TEMPERATE ECOSYSTEMS

(W) Bowman*, Alexandra¹ and R. Pockalny²

¹Queens College, City University of New York, Flushing, NY

²Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

CHARACTERIZING CIRCULATION PATTERNS IN QUONONCHONTAUG SALT POND

Deacutis*, Christopher F.¹, J. Morgan¹, L. Lambert¹, G. Cicchetti², and T. Delp¹

¹Narragansett Bay Estuary Program, Narragansett, RI

²U.S. Environmental Protection Agency, Atlantic Ecology Division, Narragansett, RI

MACROALGAE DISTRIBUTION AS A BIOLOGICAL INDICATOR OF ESTUARINE HEALTH ALONG A NUTRIENT GRADIENT IN NARRAGANSETT BAY, RI

Dettmann, Edward H.

U.S. Environmental Protection Agency, ORD-NHEERL, Atlantic Ecology Division, 27 Tarzwell Drive, Narragansett, RI

FACTORS INFLUENCING NITROGEN-CHLOROPHYLL RELATIONSHIPS FOR TEN ESTUARIES ON THE U.S. ATLANTIC AND GULF OF MEXICO COASTS

(D) Graff*, Jason R. and T. A. Ryneerson
 Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
 CHLOROPHYLL EXTRACTION METHOD MATTERS: IMPLICATIONS FOR
 LONG-TERM MONITORING EFFORTS AND ASSESSING CHANGE IN MARINE
 ECOSYSTEMS

(D) Harvey, Elizabeth L.
 Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
 EFFECTS OF THE TOXIC ALGA *HETEROSIGMA AKASHIWO* ON THE
 DISTRIBUTION OF SINGLE-CELLED PLANKTONIC GRAZERS

Neubert*, Pamela¹, P. S. Winchell¹, S. B. Aubrey², and D. McDonald³
¹ENSR Marine and Coastal Center, 89 Water St., Woods Hole, MA
²Rogue Wave Field Services, PO Box 1849, North Falmouth, MA
³Marine Biocontrol, PO Box 636, 8 Jan Sebastian Way, Unit 25, Sandwich, MA
 ASSESSMENT OF GREEN POND (FALMOUTH, MA) EXISTING HABITAT FOR
 FUTURE SHELLFISH AND EELGRASS RESTORATION PROJECTS

Rozsa*, Ron¹ and R.S. Warren²
¹Connecticut Department of Environmental Protection - Coastal Management, CT
²Connecticut College, New London, CT
 MARSH LUNACY - THE ROLE OF THE METONIC CYCLE IN VEGETATION
 CHANGE

(D) Schmidt*, Courtney E., B. Heikes, and V. Berounsky
 Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
 CARBON MONOXIDE AND LIFE IN THE PETTAQUAMSCUTT RIVER

Stoffel*, Heather E., T. Crockford, E. Requentina, and C. A. Oviatt
 Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
 SUMMARY REPORT FOR THE NARRAGANSETT BAY FIXED-SITE WATER
 QUALITY MONITORING NETWORK SUMMARY REPORT: 2001-2006

ORAL PRESENTATIONS – CONTINUED

Session Chair = Robert Buchsbaum, Mass Audubon

* denotes presenter, **(K)** denotes Ketchum Prize candidate, **(R)** denotes Rankin Prize candidate

4:00 **(K)** Byron*, Carrie J.¹, D. Alves², D. Bengtson¹, R. Rheault³, and B. Costa-Pierce⁴
¹Univ. of Rhode Island, Dept. of Fisheries, Animal and Veterinary Science, Kingston, RI
²Coastal Resources Management Council, Stedman Government Center, Wakefield, RI
³Moonstone Oysters, 1121 Mooresfield Road, Wakefield, RI
⁴Rhode Island Sea Grant, Univ. of Rhode Island Bay Campus, Narragansett, RI
 WORKING TOWARD CONSENSUS: APPLICATION OF SHELLFISH CARRYING
 CAPACITY IN MANAGEMENT OF RHODE ISLAND AQUACULTURE

- 4:20** Evans, N. Tay
Massachusetts Division of Marine Fisheries, Annisquam River Marine Fisheries Field Station, 30 Emerson Ave., Gloucester, MA
ESTABLISHMENT AND APPLICATION OF SCIENCE BASED ENVIRONMENTAL TIME-OF-YEAR RESTRICTIONS AS A MANAGEMENT TOOL
- 4:40** Leschen*, Alison¹, and M.-J. James-Pirri²
¹Massachusetts Division of Marine Fisheries, New Bedford, MA
²Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
HORSESHOE CRABS AS THE GREAT UNIFIERS: THE FIRST REGIONAL NEW ENGLAND SURVEYS TO GATHER SPAWNING POPULATION DATA FOR FISHERIES MANAGEMENT
- 5:00** Beekey*, Mark A. and J. H. Mattei
Dept. of Biology, Sacred Heart University, 5151 Park Avenue, Fairfield, CT
PROJECT *LIMULUS*: WHAT LONG TERM MARK RECAPTURE STUDIES REVEAL ABOUT HORSESHOE CRAB POPULATION DYNAMICS IN LONG ISLAND SOUND
- 5:20** **NEERS BUSINESS MEETING**
- 6:00** **SOCIAL & POSTER VIEWING**
- 7:00** **NEERS AWARDS BANQUET**
- 9:00** **ENTERTAINMENT AND DANCING**

Saturday, October 18, 2008

7:30 AM – 8:25 AM	Continental Breakfast (included with hotel room)
8:30 AM – 10:10 AM	Workshop on Scientific Communication
10:30 AM – 12:20 PM	Oral Presentations
12:45 PM – 2:30 PM	Optional field trip around Block Island
2:45 PM	Be at ferry dock for 3 PM ferry to Pt. Judith OR
4:45 PM	Be at ferry dock for 5 PM ferry to Pt. Judith

WORKSHOP: HOW NOT TO WRITE FOR PEER-REVIEWED JOURNALS – TALKING TO EVERYONE ELSE

- 8:30** Welcome and Introduction – Walter Berry, USEPA
- 8:40** Science Communication Workshop - Christopher Reddy, Woods Hole Oceanographic Institution

As climate change, evolution, and other scientific issues have gained increasing attention, scientists have been increasingly challenged to communicate their work outside their peer

groups. Not only are scientists not trained to do this, they are actually trained in ways that hinder their ability to do it, employing a dispassionate jargon-filled, non-narrative style that often makes them appear inaccessible and out of touch to the public.

This workshop will address topics including “why it is important to communicate more effectively to the lay public”, “common misconceptions”, and “knowing your audience”. In-class exercises at the end of the workshop will give you a chance to put your new-found communication skills to work.

10:10 BREAK

ORAL PRESENTATIONS

Session Chair = Pam Morgan, University of New England

* denotes presenter

10:30 Spencer, Larry

Department of Biological Sciences, Plymouth State University, Plymouth, NH
 FROM FORESTRY TO OCEANOGRAPHY: J. ROGER BRAY, THE MAN AND THE
 USE OF BRAY-CURTIS ORDINATION IN OCEAN SCIENCE

10:50 O'Connor, Nancy J.

Department of Biology, University of Massachusetts Dartmouth, No. Dartmouth, MA
 A DECADE OF CHANGES IN COASTAL CRAB POPULATIONS FOLLOWING
 THE INVASION OF THE ASIAN SHORE CRAB IN NEW ENGLAND

11:10 Pappal, Adrienne L.

Mass. Office of Coastal Zone Management, Aquatic Invasive Species Prog., Boston, MA
 THE MARINE INVADER MONITORING AND INFORMATION
 COLLABORATIVE: RESULTS FROM THE 2008 MONITORING SEASON

11:30 Chase, Bradford

Mass. Division of Marine Fisheries, 1213 Purchase Street, 3rd Floor New Bedford, MA
 THE THREAT OF EUTROPHICATION ON ANADROMOUS FISH SPAWNING
 AND NURSERY HABITAT

11:50 Varekamp*, Johan C.¹, E. Thomas^{1,2}, and the Keck Research Team³(A. Bartolai, S. Gillig, D. Jakim, E. Kravet, R. Neurath, J. Scheick, C. Veeneman)

¹Earth & Environmental Sciences, Wesleyan University, Middletown CT

²Geology and Geophysics, Yale University, New Haven, CT

³Wesleyan University, Smith College, Bryn Mawr College, Macalester College, SUNY New Paltz

THE ENVIRONMENTAL HISTORY OF BLOCK ISLAND, RI

12:10 Thomas*, Ellen^{1,2}, J. C. Varekamp¹ and the Keck Research Team³
¹E&ES Wesleyan University, Middletown CT
²Geology and Geophysics, Yale University, New Haven CT
³Wesleyan University, Smith College, Bryn Mawr College, Macalester College, SUNY
New Paltz
THE CHANGING ENVIRONMENTS OF GREAT SALT POND (BLOCK ISLAND,
RI)

12:30 Closing Remarks – Pam Morgan, New NEERS President.
And presentation of the Stickleback Award by previous recipient Wade Elmer

12:40 MEETING ADJOURNS (pick up box lunches if pre-ordered)

12:50 Field trip around Block Island with Jon Boothroyd of URI

2:45 Be at ferry dock for 3 pm ferry to Pt Judith OR

4:45 Be at ferry dock for last ferry of the day to Pt Judith at 5 pm

Back to the real world.....