

JOINT F.E.S.C./N.E.E.R.S. MEETING

Yarmouth, Nova Scotia

24 - 26 October 1935

Programme

Wednesday, 23 October

19:30 N.E.E.R.S. registrants board the "Scotia Prince" at the International Terminal, Portland, ME, for the traditional BEER BLAST and overnight cruise to Yarmouth, N.S.

Thursday, 24 October

- 09:00 - 11:00 Registration. Foyer of Rodd's Grand Hotel, Yarmouth, N.S.
- 09:30 M/S "Scotia Prince" arrives in Yarmouth, N.S. N.E.E.R.S. registrants will be conveyed to the Grand Hotel for registration and check-in.
- 10:45 - 11:00 Coffee. (Black for the N.E.E.R.S. group?)
- 11:00 - 11:15 Opening remarks.
- 11:15 - 13:15 Thematic session:  
"Implications of Natural and Anthropogenic Changes in Sea Level and Tides in the Bay of Fundy - Gulf of Maine System."  
Chair: Sandra MacFarlane, (Orleans, ME).
- 11:15 - 11:55 Titus, J. (E.P.A., Washington). Sea level rise in the Gulf of Maine Region.
- 11:55 - 12:35 Greenberg, D. (A.G.C., Bedford Institute of Oceanography). Time and space variations in observed water levels in the Bay of Fundy and the Gulf of Maine.
- 12:35 - 13:15 DeWolfe, D. (Discovery Cons., Wolfville, N.S.). Varying relationships between operational strategy for Fundy tidal power plants and far field effects on the Bay of Fundy - Gulf of Maine system.
- 13:15 - 14:30 Lunch
- 14:30 - 18:30 Thematic session (cont.).  
Chair: Graham R. Daborn, (A.C.E.R., Nova Scotia).

- 14:30 - 15:00 Gordon, D.C. (M.E.L., Bedford Institute of Oceanography) A brief review of primary production in the Gulf of Maine and Bay of Fundy.
- 15:00 - 15:30 Larsen, P. (Bigelow Laboratory, Maine). Impact of changes in tidal range and sea level on coastal systems of the Gulf of Maine.
- 15:30 - 16:00 Campbell, D.E. (Maine Dept, Mar. Res., W. Boothbay Hbr.) and J.S. Wroblewski (Bigelow Lab., Maine). Fundy tidal power development and potential fish production in the Gulf of Maine.
- 16:00 - 16:15 Coffee
- 16:15 - 17:15 Panel discussion: Fisheries resources of the Bay of Fundy - Gulf of Maine region.  
 Participants: R. Rulifson (East Carolina U., Greenville)  
 M.J. Dadswell (St. Andrews Biol. Station, N.B.)  
 T.B.A.  
 Moderator: D. Scarratt (St. Andrews Biol. Station, N.B.)
- 17:15 - 18:15 Panel discussion: Toward a management framework for the Bay of Fundy - Gulf of Maine - Georges Bank (FMG) system.  
 Participants: T.B.A.  
 Organiser: A. Hanson (I.R.E.S., Nova Scotia).
- 19:00 - 21:00 Banquet
- 21:00 - 21:15 F.E.S.C. Annual Business Meeting
- 21:15 Social gathering with posters.

Friday, 25 October

- 08:40 - 12:20 Contributed papers Session I  
 Chair: P. Larsen (Bigelow Lab., Maine).
- 08:40 - 09:00 Kelley, J.T. (Maine G.S., Augusta). Estuarine sediment dispersal during Holocene- sea level changes in Maine.
- 09:00 - 09:20 Fink, L.K. Jr. (U. of Maine, Orono). Maine beach morphodynamics: comparative effects of increased tidal range and variability of natural events.
- 09:20 - 09:40 Fitzgerald, D. (Boston U., Maine). Impact of increasing tidal range in the Gulf of Maine to tidal inlets along the Gulf of Maine coast.

- 09:40 - 10:00 Loder, T.C., C. Vorosnarty, F. Short, H. Kinner and J. Spiller (U. of New Hampshire, Durham). Spring-neap tidal effects on nitrogen-phosphorus relationships in a New England saltmarsh estuary.
- 10:00 - 10:20 Batdorf, C.A. (Mass. Audubon Soc., Gloucester). Gloucester Harbor Monitoring Program.
- 10:20 - 10:40 Coffee
- 10:40 - 12:00 Contributed papers Session II  
Chair: Paul Keizer (M.E.L., Bedford Institute).
- 10:40 - 11:00 Bousfield, E.L. (Nat. Museum, Ottawa). Biogeographic features of macroinvertebrate benthos of Georges Bank.
- 11:00 - 11:20 Gratto, G. W. and M.L.H. Thomas (U.N.B., Saint John). Predation and prey production on an intertidal flat on the Bay of Fundy.
- 11:20 - 11:40 Rangeley, R.W., and M.L.H. Thomas (U.N.B., Saint John). Population dynamics of the Rock barnacle, Semibalanus (= Balanus) balanoides.
- 11:40 - 12:00 Gardner, J.P.A. and M.L.H. Thomas (U.N.B., Saint John). Aspects of the growth of two species of intertidal mussels.
- 12:15 - 13:30 Lunch
- 13:30 - 14:50 Contributed papers Session III  
Chair: Leon Cammen (Bigelow Lab., Maine).
- 13:30 - 13:50 Brylinsky, M. (Acadia U., Wolfville). Phytoplankton primary production in the Southern Bight of the Minas Basin.
- 13:50 - 14:10 Cranford, P.J. and P. Schwinghamer (M.E.L., Bedford Institute). Identification of Spartina - derived detritus in Bay of Fundy suspended matter.
- 14:10 - 14:30 Gordon, D.C., and P.J. Cranford (M.E.L., Bedford Institute). Improved estimates of Fundy saltmarsh production and export.
- 14:30 - 14:50 Keizer, P.D. and D.C. Gordon (M.E.L., Bedford Institute). Development and application of an ecosystem model for Cumberland Basin.
- 14:50 - 15:10 Coffee
- 15:10 - 16:50 Contributed papers Session IV  
Chair: Veronica Berounsky, (GSO - UR1).

- 15:10 - 15:30 Dubois-Laviolette, A. (Acadia U., Wolfville). The foraging and energetics of Black-bellied plovers on Starrs Point mudflat.
- 15:30 - 15:50 White, L. (U. of Guelph, Ontario). Fat deposition of Semipalmated sandpipers during autumn migration in the lower Bay of Fundy.
- 15:50 - 16:10 DeWolfe, D.L. (Discovery Cons., Wolfville) and G.R. Daborn (Acadia U., Wolfville). Correlations of long term cycles in fisheries catch data with the 18.6 year nodal cycle of the tides in the Bay of Fundy - Gulf of Maine system.
- 16:10 - 16:30 Rulifson, R. (E. Carolina U., Greenville) and M. J. Dadswell (St. Andrews, N.B.). Tagging studies of striped bass (Morone saxatilis and river herring (Alosa pseudoharengus and A. aestivalis) in Minas Basin, Nova Scotia.
- 16:30 - 16:50 Hogans, W.E., G.D. Melvin and M.J. Dadswell (TPH Cons., St. Andrews, N.B.). Mortality of adult American shad (Alosa sapidissima) passed through a Straflo turbine in the low-head tidal power generatin<sup>g</sup> station at Annapolis Royal, N.S.
- 16:50 N.E.E.R.S. Annual meeting  
closing remarks
- 19:00 Social gathering (cash bar).

Saturday, 26 October

- 09:00 N.E.E.R.S. registrants board the ferry in Yarmouth for the return trip, with more contributed papers, special interest groups and the N.E.E.R.S. Business Meeting.
- 20:30 M/S "Scotia Prince" arrives at the International Terminal in Portland, ME.

Please complete the appropriate registration forms (if you haven't already done so) and return as indicated.

See you in Yarmouth!