

* Ship Duke
Capt

Notes of observations with the Fur
net on Popoys from Montreal
to Glasgow & August Sept 1869.
by G. M. Dawson

The few observations following are given
merely as a small contribution to the knowledge
of marine life in the sea, and more
especially with reference to the phenomenon
of luminescence of the sea, which on the coast
of North America appears to be generally
caused by multitudes of minute Ectocarpus
Noctiluca which scintillate with great
 brilliancy when in motion or disturbed.

Sept 14. Off Cape Desmonts, Gulf of St Lawrence, Sea
luminescent when disturbed by the ship. Water
swarming with Ectocarpus ()

Sept 17. Off Cape Ray, New Brunswick, Sea
luminescent when disturbed, Ectocarpus as
before, also Ctenophora and Agelastus armatus
like creature, ^{now} too much decayed to determine

Sept 18 About 30 miles from Cape Ray, Abundant
of Scaphothoe and large ~~Ectocarpus~~ Ectocarpus
not observed.

Sept 20. Lat. $46^{\circ}53'$, Lon. 57.8 North-east corner
of Great New Brunswick Bank. Sea luminescent as
before. Ectocarpus abundant, also small
Medusae and Medusae-like?

Sept 26, Lat. $54.17'$ Lon. $36^{\circ}46'$, 9 P. M. Sea
very luminescent generally, and large light
spots ship goes too fast to collect.