

brown colour, with brilliant white, sharply defined, areas, and thus closely resembles the older darker pieces of *Sargassum*, which also are thickest covered with *Membranipora*. *Antennarius* is of the weed colour, and the peculiar white spots on the body evidently have a like signification. Even one of the Planarians living in the weed is yellow marked with brown.

STATION 30.

“In the morning when I was out in a boat Radiolarians had been scarce, but in the forenoon it fell almost a dead calm, and Murray, going out in the afternoon after it had been calm some time, found them on the surface in enormous abundance.”

April 2, 1873.

APRIL 2, 1873.

Temperature of water :—

Surface,	69·5	160 fathoms,	64·2
20 fathoms,	67·0	180 " 	63·9
40 " 	67·0	200 " 	62·1
60 " 	66·8	225 " 	63·3
80 " 	66·0	250 " 	62·3
100 " 	66·3	275 " 	61·8
120 " 	65·6	300 " 	60·6
140 " 	63·8		

At daylight a spar of pitch pine was picked up and hauled on board. At 9.30 A.M. obtained serial temperatures down to 300 fathoms. Cutter was lowered to try the current, and jolly-boat for surface collecting.

Surface Organisms.—Moseley writes : “The spar of pitch pine was covered with a *Lepas* [*Lepas anatifera*, Linné, see Hoek, Zool. pt. 25] in abundance, and numbers of the small gulf-weed crab [*Nautilograpsus minutus* (Linné), see Miers, Zool. pt. 49]. The colour of the crabs here matched admirably with the dark coloured wood and white *Lepas*-shells showing out in relief upon it. But I suspect that they are merely casual visitors to such a log, and that their real home is the gulf-weed, the white patches being imitative of the *Flustra* and not *Lepas*-shells, perhaps of both since a few *Lepas*-shells are to be met with on the weed. A small brown Nudibranch (*Æolis*) was abundant on the log, and there were plenty of its eggs disposed in small rounded white patches amongst the bases of the *Lepas*-stems. These ova contained embryos in an advanced stage of development; they seemed closely to resemble the embryos of *Tergipes* figured by Selenka. Some Campanularians were the only other animals on the log, but there were a few small Diatoms growing on it.

ORGANISMS FROM
SURFACE.

“The tow-net, which for some time past has been almost barren, produced some very fine specimens of *Phyllosoma*, a male *Lucifer* with spermatophores, larvæ of *Squilla*, *Nymphon*, the yellow coloured gulf-weed Planarian, and several Leptocephali. A dolphin was speared with the ‘grains.’”