

behind the ganglia and just above the mouth, which, semicircular as usual, leads into a folded intestine terminated by an anus. Length 0·75 mm., breadth 0·25 mm.”

On the 25th a very large colony of a new species of *Pyrosoma* was captured in the trawl; the cylinder was 4 feet 2 inches in length, and 10 inches in diameter, closed at one end, and, as in the smaller forms, the colony was spotted with red, the red spots being the visceral nuclei of the several animals. The specimen was kept in a tub of water till after dark, when it gave off brilliant phosphorescent light on being disturbed. The



FIG. 69.—*Ophioglypha ballata*, WYV. THOMS. Dorsal aspect; three times the natural size.

officers amused themselves by writing their names along this living cylinder with one finger, the track of which remained as a bright line of light for some seconds. *Salpæ* were the commonest animals in the surface waters; there were several kinds, and many long bands of them in the chain form were taken in the surface nets. Brilliant phosphorescence was observed at night during calm weather, and the following are some of the animals taken near the surface on these occasions:—Foraminifera, Radiolarians, *Gleba*, *Diphyes* and other Siphonophora, Medusæ, *Sagitta*, *Alciope*, Cypris-larvæ of