

pteropods, leptocephali (one of which displayed remarkable pigment; see Fig. 66), and cuttle-fish. There were besides a few black fish (*Idiacanthus ferox*, *Photostomias guernei*; see Fig. 67).

In the deep hauls at 1000 metres and 1500 metres there were numerous very rare animals. For instance, we secured specimens of the cuttle-fish *Spirula*, and of the fish *Melanocetus krechii*, the type of which had been discovered by the "Valdivia" Expedition in the Indian Ocean, so far removed from the scene of its recapture. Again, *Aceratias macrorhinus indicus*, a small brown fish (28 mm. long; see Fig. 68), and *Cyema atrum* (Fig. 69), had hitherto only been met with in the Pacific and Indian Oceans, and off the coast of Morocco.

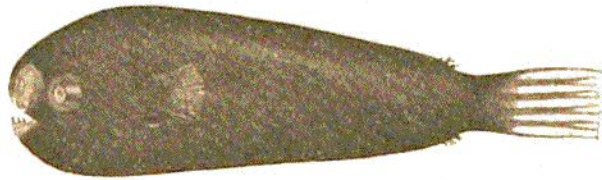


FIG. 68.  
*Aceratias macrorhinus indicus*, A. Br.  
Nat. size, 2.8 cm.

It was extremely interesting to find at one spot all these proofs of the wide distribution of such "rare" pelagic fishes.

At Station 47 we sounded in 5160 metres. Trawling was tried, but was a failure, as the trawl got out of order and merely captured a sea-pen (*Umbellula güintheri*). During the night we sighted a turtle, which was thus about 250 nautical miles from the nearest land, the island of Palma.

At Station 48 we made another attempt at trawling. The big trawl was dropped with 8750 metres of wire at 11.20 A.M.



FIG. 69.  
*Cyema atrum*, Gthr. Nat. size.

At 2.50 P.M. we commenced hauling in, and the trawl came up at 9 P.M. This time everything seemed to have gone right, for the trawl apparently went down and came up again in full working order. Strangely enough, the catch was meagre in the extreme, consisting of half a barrel of ooze, a number of pumice fragments, the earbone (*bulla tympanica*) of a whale, two sharks' teeth (*Carcharodon* and *Oxyrhina*), a fragment of a nautilus shell, two holothurians, about ten pteropod shells, an antipatharian, a sertularian, *Umbellula*, six fishes (*Alepocephalus*, *Malacosteus indicus*, *Argyropelecus*, leptocephalus in its transition stage from the larval form, a new form resembling *Ipnoops*

Trawling in deep water.