

Fishes taken  
at different  
depths at  
Station 53.

definite group of pelagic animals taken at a genuine oceanic station far from land in deep water. I have for this purpose prepared the following list recording all the fishes taken at Station 53, to the south of the Azores, during the night of the 8th-9th of July, but I regret being unable in the case of the young fish to indicate the species, which would have added greatly to the interest of the list:—

PELAGIC FISHES, STATION 53

- SURFACE, TOW-NET: Scopelidæ: *Myctophum coccoi*, *M. punctatum*, *M. chærocephalum*, *M. affine*, *M. humboldti*, etc.; Stomiidæ: *Stomias boa*, 13 *Astronesthes niger*.
- 50 METRES, TOW-NET: Great numbers of larvæ and young fish, some with telescopic eyes, 4 small larvæ of the common eel (*Leptocephalus brevirostris*, 4.8-5.7 cm. long); many Scopelidæ: 12 *Stomias boa*, *Chauliodus sloanei*, 3 *Dactylostomias* n.sp. No. 1, *Idiacanthus ferox*.
- 100 METRES, TOW-NET: Scopelidæ: *Myctophum* (*Diaphus*) *gemellari*, 3 *Stomias boa*, *Vinciguerria lucetia*, *Argyropelecus*.
- 150 METRES, YOUNG-FISH TRAWL: A few fish-larvæ, 2 *Leptocephalus* n.sp., some *Argyropelecus*, 2 *Stomias boa*, *Photostomias guernei*, *Gonostoma rhodadenia*, new genus of Saccopharyngidæ.
- 300 METRES, YOUNG-FISH TRAWL: Young fish with telescopic eyes; Scopelidæ (*Myctophum coccoi*, etc.); 5 *Cyclothone signata*, *Cyclothone microdon*, 10 *Vinciguerria lucetia*, 13 *Valenciennellus tripunctulatus*, 16 *Argyropelecus hemigymnus*, *Argyropelecus aculeatus*, *Sternoptyx diaphana* (young fish from 8.5 cm. in length).
- 550 METRES, TOW-NET: 14 *Cyclothone signata*, 7 *Cyclothone microdon*, 14 *Chauliodus sloanei*, 3 *Sternoptyx diaphana*.
- 800 METRES, YOUNG-FISH TRAWL: 22 *Cyclothone signata*, 121 *Cyclothone microdon*, *Gonostoma rhodadenia*, *Gonostoma grande*, *Stomias boa*, 2 *Vinciguerria lucetia*, 2 *Idiacanthus ferox*, *Astronesthes niger*, 4 *Gastrostomus bairdii*.
- 1300 METRES, LARGE NET: *Leptocephalus*, 16 *Cyclothone signata*, 357 *Cyclothone microdon*, 7 *Gonostoma grande*, *Photostomias guernei*, 5 *Chauliodus sloanei*, 2 *Idiacanthus ferox*, *Cyema atrum*, 3 *Gastrostomus bairdii*, *Melanocetus johnsoni*, *Melanocetus krechi*, *Oneirodes* n.sp. No. 3, 3 *Aceratias macrorhinus indicus*.

These catches may be classified into three main regions:— (1) a region extending downwards from about 500 metres, characterised by the occurrence of *Cyclothone* and various black or dark coloured fishes, and of many peculiar invertebrates, red prawns being prominent; (2) a region ranging between 150 and 500 metres, characterised by a peculiar community of silvery or grayish fishes, belonging to the families Sternoptychidæ and Stomiidæ; and (3) the surface region comprising the upper 150 metres, characterised by transparent or blue coloured animals and juvenile forms, especially the members of the large family Scopelidæ.