

STATION 195.

Willemoes-Suhm writes: "The trawl brought up two specimens of a *Gnathophausia* different from the species taken on September 23; they seemed to be unusually large specimens of the widely-spread *Gnathophausia zoëa*. The candelabriform Polyzoon was also present."

ORGANISMS FROM THE DEPOSIT.

DIATOMACEÆ.—The following species of Diatoms were observed by Mr. Comber in the deposit from this Station (see also Murray and Renard, Deep-Sea Deposits Chall. Exp.) :—

<i>Navicula splendida</i> , Gregory, var. <i>diplosticta</i> , Grunow.	<i>Coscinodiscus convexus</i> , A. Schmidt.
„ <i>aspera</i> , Ehrenberg.	„ <i>concinuus</i> , Smith.
<i>Achnanthes brevipes</i> , Agardh.	„ <i>janischii</i> , var. A. Schmidt, <i>arafurensis</i> , Grunow.
<i>Nitzschia marina</i> , Grunow.	„ <i>reniformis</i> , Castracane (= <i>Stoschia admirabilis</i> , Janisch).
<i>Synedra dotiulus</i> , Wallich.	„ <i>africanus</i> , Janisch.
<i>Grammatophora oceanica</i> , Ehrenberg.	„ <i>nodulifer</i> , A. Schmidt.
<i>Isthmia enervis</i> , Ehrenberg.	„ <i>obscurus</i> , A. Schmidt.
<i>Triceratium robertsonianum</i> , Greville.	„ <i>rex</i> , Wallich.
„ <i>favus</i> , Ehrenberg, forma <i>tetragona</i> .	<i>Ethmodiscus</i> sp. (?)
<i>Biddulphia pulchella</i> , Gray.	<i>Stictodiscus californicus</i> , Greville.
<i>Hemidiscus cuneiformis</i> , Wallich.	<i>Actinocyclus punctulatus</i> , Castracane.
<i>Coscinodiscus leptopus</i> , Janisch.	<i>Asteromphalus roperianus</i> , Greville.
„ <i>excentricus</i> , Ehrenberg, var. <i>punctifera</i> , Grunow.	„ <i>elegans</i> , Greville.
„ <i>radiatus</i> , Ehrenberg.	<i>Chætoceros coarctata</i> , Lauder.
„ <i>oculus-iridis</i> , Ehrenberg.	
„ <i>centralis</i> , Ehrenberg.	

ORGANISMS FROM SURFACE-NETS.

Surface Organisms.—The following are recorded in the note-books from the surface-nets on this date :—*Peridinium*, *Coscinodiscus*, Foraminifera, *Sagitta*, Pteropods, *Loligo* (from the trawl), *Appendicularia*, and other oceanic pelagic forms.

AT AMBOINA.

The Challenger remained at Amboina from 4.30 P.M. on October 4 till 4 P.M. on October 10, 1874 (for description of the island see *Narr. Chall. Exp.*, vol. i. pp. 576–585). During the stay Professor Thomson and Mr. Murray were engaged several days dredging from the pinnacle in depths of 15 to 130 fathoms, the deposit in depths of 15 to 20 fathoms being composed of shells and sand, containing 59.26 per cent. of carbonate of lime. The following species are recorded in the Zoological Reports as having been obtained in the vicinity :—

ANIMALS FROM AMBOINA.

MONAXONIDA (Ridley and Dendy, Zool. pt. 59).

Halichondria pelliculata, n.sp. One specimen (100 fathoms); obtained at no other locality.

TETRACTINELLIDA (Sollas, Zool. pt. 63).

Pæcillastra laminaris, n.sp. Several fragments (100 fathoms); obtained at no other locality.