

of *Petalophthalmus armiger*. Here in the depths of the Indian Sea we have obtained all these animals, which have only been brought up from very deep water, together, and along with them a few shrimps, one of them affected by *Bopyrus*. The *Petalophthalmus* is a female, 50 mm. in length, with a few very large eggs in the breeding cavity. This is the third female of the Atlantic species, which is so remarkable for the prehensile organs of the male. There was also a male of *Cystisoma*." STATION 198.

RADIOLARIA (Haeckel, Zool. pt. 40).—The following species of Radiolaria were observed in the deposit from this Station :— ORGANISMS FROM THE DEPOSIT.

<i>Cromyodruppa cepa</i> , Haeckel.		<i>Artopera motacilla</i> , Haeckel.
<i>Dictyocoryne profunda</i> , Ehrenberg.		

Surface Organisms.—The following species are recorded from the surface at this Station :— ORGANISMS FROM SURFACE-NETS.

COPEPODA (Brady, Zool. pt. 23).		<i>Oithona challengerii</i> , n.sp.
<i>Eucalanus attenuatus</i> (Dana).		<i>Corycaeus varius</i> , Dana.
<i>Euchæta prestandreæ</i> , Philippi.		<i>Oncæa obtusa</i> , Dana.
<i>Candace truncata</i> , Dana.		<i>Saphirina metallina</i> , Dana.

In addition, the following are recorded in the note-books :—*Peridinium*, Diatoms with *Carchesium* and *Vorticella* attached, *Globigerina*, *Pulvinulina*, many *Acanthometræ* and other Radiolaria, *Acraspedote* Medusæ, *Diphyes* and other Siphonophoræ, Echinoderm larvæ, *Sagitta*, Planarians, various Crustacea, Pteropods and larvæ, small *Salpæ*, *Appendicularia*, and *Fritillaria*.

Station 199 (Sounding 333), Amboina to Samboangan (see Chart 31 and STATION 199. Diagram 14).

October 22, 1874 ; lat. 5° 44' N., long. 123° 34' E.

Temperature of air at noon, 79°·8 ; mean for the day, 81°·6.

Temperature of water :—

Surface,	83·0		100 fathoms,	63·8
25 fathoms,	81·5		125 "	57·6
50 "	79·2		150 "	54·5
60 "	77·7		200 "	48·3
70 "	74·5		250 "	46·2
75 "	72·9		300 "	44·8
80 "	71·2		Bottom,	38·6
90 "	67·5			