

STATION 157.

<i>Coscinodiscus denarius</i> , A. Schmidt.
„ <i>marginatus</i> , Ehrenberg.
„ <i>minor</i> , Ehrenberg.
„ <i>kutzingii</i> , A. Schmidt, var. <i>glacialis</i> , Grunow.
„ <i>denticulatus</i> , Castracane.
„ <i>normanni</i> , Gregory.
„ <i>stellaris</i> , Roper.
„ <i>africanus</i> , Janisch.
„ „ var. <i>wallichiana</i> , Grunow.
„ <i>centralis</i> , Ehrenberg.
„ <i>convexus</i> , A. Schmidt.

<i>Coscinodiscus oculus-iridis</i> , Ehrenberg.
„ <i>asteromphalus</i> , Ehrenberg.
„ <i>concinus</i> , Smith.
„ <i>elegantulus</i> , Greville.
„ <i>rotula</i> , Grunow.
„ <i>apollinis</i> , Ehrenberg, var. <i>compacta</i> , Rattray.
„ <i>impolitus</i> , Rattray [= <i>C. antarcticus</i> , Castracane].
<i>Melosira</i> sp. (?).
<i>Brunia mirabilis</i> , Tempère.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species of Radiolaria and Diatomaceæ are recorded from the surface at this Station :—

RADIOLARIA (Haeckel, Zool. pt. 40).—In striking contrast to the wealth of forms in the deposit at this Station is the uniformity of the Radiolarian surface fauna. This doubtless arises from the fact that the tow-nets were only dragged through a relatively short distance of the surface waters, whereas the deposit at the bottom represents the accumulation of forms which have fallen from the surface during an immense period of time. The absence of some species of Acantharia and Phæodaria in the deposit, when compared with their relative abundance in the surface-net gatherings, is to be accounted for by the structure and composition of the skeletons, which are more readily dissolved after the death of the animal than other Radiolaria. Certain species of Acantharia and Phæodaria are the most abundant here, and represented by numerous individuals. Of the Acantharia the most abundant are *Acanthonia claparedei*, *Acanthostaurus purpurascens*, and *Amphilonche lanceolata*, and of the Phæodaria, the species of *Challengeron*.

I. SPUMELLARIA.

a. Sphæroidea.

- Styptosphæra spongiacea*, Haeckel.
Acanthosphæra antarctica, Haeckel.
Cromyomma perspicuum, Haeckel.
Rhizosphæra trigonacantha, Haeckel.
 „ *antarctica*, Haeckel.

b. Discoidea.

- Porodiscus flustrella*, Haeckel.
Stylodictya multispina, Haeckel.
Euchitonia muelleri, Haeckel.
Stylotrochus challengerii, Haeckel.

II. ACANTHARIA.

- Acanthonia claparedei*, Haeckel.
Acanthostaurus purpurascens, Haeckel.

- Amphilonche lanceolata*, Haeckel.
Porocapsa coronodon, Haeckel.

III. NASSELLARIA.

- Dictyospyris tetrastoma*, Ehrenberg.
Cyrtocalpis ovulum, Haeckel.
Cornutella clathrata, Ehrenberg.

IV. PHÆODARIA.

- Dictyocha stapedia*, Haeckel.
Distephanus speculum, Haeckel.
Aulodendron antarcticum, Haeckel.
Aulosцена penicillus, Haeckel.
Challengeron pearceyi, Haeckel.
 „ *swirei*, Murray.
 „ *balfouri*, Murray.
 „ *richardsii*, Haeckel.