

Coscinodiscus decrescens, Grunow.
 „ *apiculatus*, Ehrenberg.
 „ *africanus*, Janisch.
 „ *janischii*, A. Schmidt.
 „ *concinus*, W. Smith.
 „ *elegans*, Greville.
Paralia sulcata, Cleve.
Hyalodiscus scoticus, Grunow.

Triceratium grande, Brightwell.
Hemidiscus cuneiformis, Wallich.
Actinocyclus subtilis, Ralfs.
 „ *ralfsii*, Ralfs.
Actinoptychus vulgaris, Schumann.
Auliscus ovalis, Arnott.
Goniothecium sp. (?).

STATION 142.

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

RADIOLARIA (Haeckel, Zool. pt. 40).

Rhaphidozoum capense, Haeckel.
Haliomma capense, Haeckel.

AMPHIPODA (Stebbing, Zool. pt. 67).

Paratyphis promontorii, n.sp.

SCHIZOPODA (Sars, Zool. pt. 37).

Euphausia splendens, Dana.

PTEROPODA (Pelseneer, Zool. pt. 65).

Limacina inflata (d'Orbigny).
Clio pyramidata, Linné.
Cavolinia inflexa (Lesueur).

TUNICATA (Herdman, Zool. pt. 76).

Salpa democratica-mucronata,
 Forskåhl.

FISHES (Günther, Zool. pt. 78).

Pimelepterus fuscus, Lacép.

ORGANISMS FROM
SURFACE-NETS.

Two hauls of the tow-net were taken between 8 and 12 P.M., and procured :—
 Saphirinid, *Hyperia*, Zoëæ (much larger than on the previous day), other Decapod larvæ,
Atlanta, *Styliola*, *Cleodora* [= *Clio*], *Salpa* (*in catena*, very numerous). In the stomachs
 of the *Salpæ* were many Cocospheres and a few Rhabdospheres. There was little
 phosphorescence at the surface.

Station 143 (Sounding 233), Cape of Good Hope to Marion Island (see Chart 18 and Diagram 8). STATION 143.

December 19, 1873 ; lat. 36° 48' S., long. 19° 24' E.

Temperature of air at noon, 71°·8 ; mean for the day, 69°·1.

Temperature of water :—

Surface,	73·0	80 fathoms,	55·0
10 fathoms,	73·0	90 „	53·8
20 „	73·0	100 „	52·5
30 „	68·5	200 „	46·2
40 „	64·0	300 „	43·0
50 „	59·5	400 „	40·8
60 „	57·7	Bottom,	35·6
70 „	56·5		