

## CAPE OF GOOD HOPE.

In the foregoing list 158 species are enumerated, of which 62 are new to science, including representatives of 10 new genera; 54 of the new species and 5 new genera were not obtained elsewhere.

## ORGANISMS FROM SURFACE-NETS.

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

<p>CIRRIPIEDIA (Hoek, Zool. pt. 25).  <i>Lepas anatifera</i>, Linné (from log of wood).</p> <p>STOMATOPODA (Brooks, Zool. pt. 45).  <i>Alima bidens</i>, Claus [= larva of <i>Squilla</i>].</p>	<p>SCHIZOPODA (Sars, Zool. pt. 37).  <i>Stylocheiron longicorne</i>, n.g., n.sp.</p> <p>TUNICATA (Herdman, Zool. pt. 76).  <i>Salpa democratica-mucronata</i>, Forskühl.</p>
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The water in Simon's Bay was frequently very luminous, and was found to contain many specimens of *Noctiluca* in the flagellated stage.

## STATION 141.

Station 141 (Sounding 231), Cape of Good Hope to Marion Island (see Chart 18 and Diagram 8).

December 17, 1873; lat. 34° 41' S., long. 18° 36' E.

Temperature of air at noon, 66°·8; mean for the day, 67°·5.

Temperature of water :—

Surface, . . . . .	66·5	60 fathoms, . . . . .	52·8
10 fathoms, . . . . .	66·2	70 „ . . . . .	51·4
20 „ . . . . .	65·3	80 „ . . . . .	50·3
30 „ . . . . .	63·9	90 „ . . . . .	49·6
40 „ . . . . .	59·8	Bottom, . . . . .	49·5
50 „ . . . . .	54·9		

Depth, 98 fathoms; deposit, Green Sand, containing 49·46 per cent. of carbonate of lime, and phosphatic and glauconitic concretions (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6.30 A.M. weighed anchor and proceeded out of Simon's Bay on the voyage to the Antarctic ice and Australia. At 1.35 P.M. stopped and sounded in 98 fathoms on the edge of the Agulhas Bank. Put dredge over, and obtained serial temperatures at intervals of 10 fathoms down to the bottom. At 3.30 P.M. hove up dredge with numerous specimens, and sent it down again at 4 P.M. At 5 P.M. hove up dredge with many specimens,