

October 10, 1873; Station 132; lat. $35^{\circ} 25' 0''$ S., long. $23^{\circ} 40' 0''$ W.; surf. temp. 58° .

Appendicularia sp., one large specimen.

October 11, 1873; Station 133; lat. $35^{\circ} 41' 0''$ S., long. $20^{\circ} 55' 0''$ W.; depth, 1900 fathoms; surf. temp. 58° ; bottom temp. $35^{\circ} \cdot 4$.

Pyrosoma spinosum, n. sp., one specimen.

Between the Cape of Good Hope and Kerguelen Island, the following surface Tunicata were collected:—

December 14, 1873; Simon's Bay, Cape of Good Hope; surf. temp. $58^{\circ} \cdot 5$.

Salpa democratica-mucronata, about twenty specimens, both solitary and aggregated forms.

December 18, 1873; Station 142; lat. $35^{\circ} 4' 0''$ S., long. $18^{\circ} 37' 0''$ E.; surf. temp. $65^{\circ} \cdot 5$.

Salpa democratica-mucronata, solitary form, thirty specimens.

December 19, 1873; Station 143; south of the Cape of Good Hope; lat. $36^{\circ} 48' 0''$ S., long. $19^{\circ} 24' 0''$ E.; surf. temp. 73° .

Salpa democratica-mucronata, solitary form, one specimen.

do. aggregated form, three specimens.

December 27, 1873; Station 145A; off Prince Edward Island, Southern Ocean; lat. $46^{\circ} 41' 0''$ S., long. $38^{\circ} 10' 0''$ E.; at night; surf. temp. $41^{\circ} \cdot 5$.

Salpa cylindrica, solitary form (?), one specimen.

December 27, 1873; Station 145A; lat. $46^{\circ} 41' 0''$ S., long. $38^{\circ} 10' 0''$ E.; surf. temp. $41^{\circ} \cdot 5$.

Salpa runcinata-fusifformis, aggregated form, many specimens.

Between Kerguelen Island and Melbourne, Australia, the following were obtained:—

February 2, 1874; Station 150; Antarctic; lat. $52^{\circ} 4' 0''$ S., long. $71^{\circ} 22' 0''$ E.; surf. temp. $37^{\circ} \cdot 5$.

Salpa cylindrica, solitary form, one specimen.

February 3, 1874; lat. $52^{\circ} 20' 0''$ S., long. $72^{\circ} 14' 0''$ E.; surf. temp. 38° .

Salpa cylindrica, solitary form (?), one specimen.

runcinata-fusifformis, solitary form (?), one specimen.

February 11, 1874; Station 152; lat. $60^{\circ} 52' 0''$ S., long. $80^{\circ} 20' 0''$ E.; surf. temp. $34^{\circ} \cdot 5$.

Salpa runcinata-fusifformis, aggregated form, about 160 specimens.

do. solitary form, several specimens.

February 14, 1874; Station 153; Antarctic ice barrier; lat. $65^{\circ} 42' 0''$ S., long. $79^{\circ} 49' 0''$ E.; surf. temp. $29^{\circ} \cdot 5$.

Appendicularia sp., one large specimen.

March 10, 1874; Station 159; lat. $47^{\circ} 25' 0''$ S., long. $130^{\circ} 22' 0''$ E.; surf. temp. $51^{\circ} \cdot 5$.

Pyrosoma giganteum, six colonies.

Salpa africana-maxima, solitary form, one specimen.