

Salpa democratica-mucronata, Forskåhl (Pl. VIII. figs. 1-10).*Salpa democratica*, Forsk., *Descript. anim., &c.*, p. 113, 1775.*Salpa mucronata*, Forsk., *Descript. anim., &c.*, p. 114, 1775.*Salpa democratica-mucronata*, Krohn, *Ann. d. Sci. Nat. (Zool.)*, ser. 3, tom. vi. p. 112, 1846.*Salpa democratica-mucronata*, Traustedt, *loc. cit.*, p. 365, which see for further synonymy.

This well-known species is the commonest in the Challenger collection. It was obtained at the following localities:—

(1.) December 14, 1873; in Simon's Bay, Cape of Good Hope; surf. temp. $58^{\circ}5$; about twenty specimens, large and small, of both solitary and aggregated forms (bad condition).

(2.) December 18, 1873; Station 142, off the Cape of Good Hope; lat. $35^{\circ}4'0''$ S., long. $18^{\circ}37'0''$ E.; surf. temp. $65^{\circ}5$; thirty specimens of the solitary form (in bad condition).

(3.) 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° ; surface to 100 fathoms; one specimen of the solitary form (small), and three specimens of the aggregated form.

(4.) April 2, 1874; Station 162, off East Monceour Island, Bass Strait; lat. $39^{\circ}10'30''$ S., long. $146^{\circ}37'0''$ E.; surf. temp. $63^{\circ}2$; one hundred and forty specimens of the solitary form (about 1 cm. in length), and five hundred or more specimens of the aggregated form, averaging 6 mm. in length; also two specimens of the solitary form (1.2 cm. in length) mounted on microscope slides and labelled "Off Australia."

(5.) June 3, 1874; Station 163B, off Port Jackson; surface; lat. $33^{\circ}51'15''$ S., long. $151^{\circ}22'15''$ E.; surf. temp. 69° ; one specimen of the solitary form in spirit, and one mounted on a microscope slide.

(6.) June 15, 1874; off Port Jackson; surface; lat. $34^{\circ}6'0''$ S., long. $155^{\circ}12'0''$ E.; surf. temp. $62^{\circ}7$; two specimens of the solitary form (small).

(7.) June 17, 1874; Station 165, between Sydney and Wellington, New Zealand; lat. $34^{\circ}50'0''$ S., long. $155^{\circ}28'0''$ E.; surf. temp. $64^{\circ}5$; two specimens of the solitary form, and three specimens of the aggregated form (small).

(8.) October 22, 1874; Station 199, off Mindanao, Philippine Islands; lat. $5^{\circ}44'0''$ N., long. $123^{\circ}34'0''$ E.; surf. temp. 83° ; two specimens of the solitary form (small).

(9.) March 16, 1875; Station 222, north of the Admiralty Islands, West Pacific; surface; lat. $2^{\circ}15'0''$ N., long. $146^{\circ}16'0''$ E.; surf. temp. $82^{\circ}8$; one specimen possibly belonging to this species (in bad condition).

(10.) November 5, 1875; Station 295, South Pacific; lat. $38^{\circ}7'0''$ S., long. $94^{\circ}4'0''$ W.; surf. temp. $58^{\circ}5$; one specimen of the solitary form (1.3 cm. in length), and one specimen of the aggregated form (5 mm. in length).

(11.) November 6, 1875; South Pacific; surface, at night; lat. $37^{\circ}50'0''$ S., long. $93^{\circ}54'0''$ W.; surf. temp. $59^{\circ}7$; two specimens of the solitary form (large).

(12.) November 18, 1875; South Pacific; surface; lat. $34^{\circ}9'0''$ S., long. $72^{\circ}32'0''$ W.; surf. temp. $57^{\circ}8$; one specimen of the solitary form, and eight specimens of the aggregated form (various sizes).