

	Right.	Left.
Length of first arm,	55 mm.	60 mm.
Length of second arm,	60 "	63 "
Length of third arm,	65 "	65 "
Length of fourth arm,	40 "	50 "

It is doubtful what value is to be attached to the raised ridge mentioned above; it is to be seen in other species under certain conditions, possibly due either to different modes of preservation or to varying states of contraction; nevertheless, in the majority of forms it is never observed, and I am therefore inclined to attribute to it a certain systematic importance, the more especially as it occurs in both the specimens before me. *Octopus membranaceus*, Q. and G., seems to present the same condition carried out more fully.

The present species is decidedly paler and more ruddy in colour than *Octopus granulatus*, and the granulations are not so large nor so closely set as in that form. The mottling on the sides, too, is very marked.

Octopus tehuelchus, d'Orbigny.

1835. *Octopus tehuelchus*, d'Orb., Amér. mérid., p. 27, pl. i. figs. 6, 7.

1838. " " d'Orb., Céph. acét., p. 55; Poulpes, pl. xvii. fig. 6.

1870. " *megalocyathus*, Phil. (?), Cunningham, Trans. Linn. Soc. Lond., vol. xxvii. p. 474.

Habitat.—St. Thomas, Danish West Indies; 8 fathoms.

East coast of Patagonia; lat. 40° S. (d'Orbigny); Strait of Magellan and Punta Arenas (Cunningham); Nicaragua (Copenhagen Museum).

I refer to this species, not without some hesitation, a small *Octopus* of about 5 cm. in total length, from the West Indies. The body is proportionally a little more elongated than in d'Orbigny's figure, but a specimen in the British Museum, brought by Cunningham from Sandy Point, resembles closely that obtained by the Challenger, which is also much like an unnamed form in the Copenhagen Museum from San Jan de Nicaragua, except that the arms of the latter are somewhat larger.

Cunningham's specimen in the British Museum is almost certainly the one alluded to in the Zoology of the Voyage of the "Nassau" (*loc. cit.*), where he speaks of obtaining it at the eastern end of the Strait of Magellan, and of numbers of mutilated specimens being thrown up on the beach at Punta Arenas. I have not been able to find the original description of "*Octopus megalocyathus*, Phil.," the only species bearing that name known to me being the one described by Gould in the Mollusca of the Wilkes Expedition, p. 471.