

	<i>Dimensions.</i>		♀	♂
	Right.	Left.		
Length, total,			630 mm.	580 mm.
End of body to mantle-margin,			70 "	80 "
End of body to eye,			95 "	105 "
Breadth of body,			70 "	70 "
Breadth of head,			43 "	50 "
Eye to edge of umbrella (dorsally),			75 "	75 "
Eye to edge of umbrella (laterally),			100 "	105 "
Length of extremity of hectocotylised arm	2 "
Breadth of extremity of hectocotylised arm,	1 "
Diameter of largest sucker on lateral arm,			7 "	14 "
Diameter of largest sucker on ventral arm,	10 "
			♀	♂
	Right.	Left.	Right.	Left.
Length of first arm, ¹	530 mm.	490 mm.	460 mm.	315 ² mm.
Length of second arm,	560 "	400 "	400 "	500 "
Length of third arm,	470 "	540 "	315 "	475 "
Length of fourth arm,	560 "	510 "	400 "	470 "

This species presents in some respects a resemblance to *Octopus bimaculatus*,³ Verrill, namely, in the general form and proportions, in the enlargement of one or more suckers on the lateral arms and in the small size of the hectocotylus of the male, as also in the presence of the dark spot on either side in front of the eye. Each, too, has a supra-ocular cirrus, but the conspicuously warted upper surface of Verrill's form and the equally marked smoothness of the Challenger specimens, as well as the seemingly constant difference of coloration necessitate their separation.

Octopus bimaculatus is from California, so that so far as regards habitat there would be no *à priori* ground for separating the two forms.

The new species agrees with unnamed specimens, from the same locality, in the Copenhagen Museum, in which the spots upon the side of the membrane are even more clearly marked, while the other characters remain the same.

It approaches *Octopus hawaiiensis*, E. and S.,⁴ in general form, but differs in the presence of cirri over the eyes.

Octopus areolatus, de Haan, MS. (Pl. III. figs. 6, 7).

1835. *Octopus areolatus*, de Haan, MS. letter (*fide* d'Orbigny).
 1838. " " d'Orbigny, Céph. acét., p. 65.
 1838. " *sinensis* (?), d'Orbigny, Céph. acét., p. 68; Poulpes, pl. ix.
 1849. " *ocellatus*, Gray, B. M. C., p. 15.
 1886. " " Appellöf, Japanska Ceph., p. 8, pl. i. figs. 1-3.

Habitat.—Station 192, off the Ki Islands, south of Papua, September 26, 1874; lat. 5° 49' 15" S., long. 132° 14' 15" E.; 140 fathoms; blue mud. One specimen, ♀. Japan (de Haan, Appellöf); Hong Kong (Copenhagen Museum).

¹ The lengths of the arms are measured from the eye.

² Mutilated.

³ *Bull. Mus. Comp. Zool.*, vol. xi. p. 121, 1883.

⁴ Voy. "Bonite," p. 9, pl. i. figs. 1-5.