

the two rows of suckers. It would be interesting to know what is the structure of the tentacular suckers in this form.

The original description of *Iniotheuthis morsei* (*loc. cit.*) is very brief, and would fit *Sepiola bursa* very well, except that it is not mentioned that the proximal suckers are in two series. The uncertainty at present existing among these various species can only be cleared up by their respective authors giving full particulars regarding the points alluded to above.¹

Sepiola stenodactyla, Grant,² recalls this species by the description of its tentacular clubs, which "present a villous appearance but have no suckers developed;" judging by the figures, however, it has a shorter, more rounded body and longer arms, and the eight series of suckers would be quite diagnostic if this character could be relied upon. This is very doubtful, however, because the description speaks of seven or eight rows very irregularly placed, and because no *Sepiola* has yet been found with other than four distinctly marked series of suckers.

The extreme contraction of the mouth of the horny ring in the tentacular suckers is a point of great interest, especially when taken in connection with the absence of any roughnesses or papillæ on the suctorial surface. It seems to indicate that they adhere by almost pure suction in contradistinction to those of most Decapods, which adhere by a combination of suction with the action of the toothed margin of the ring and the horny papillæ surrounding it.³

Rossia, Owen.

Rossia oweni, Ball (Pl. XV. figs. 1-9).

1842. *Rossia Owenii* et *Rossia Jacobi*, Ball, Proc. Roy. Irish Acad., vol. ii. p. 193.
 1842. " " " " Ball, Ann. and Mag. Nat. Hist., vol. ix. p. 349.
 1844. *Rossia Oweni* et *Rossia Jacobi*, Thompson, Rep. Brit. Assoc., p. 248.
 1845. *Rossia Owenii* et *Rossia Jacobi*, d'Orbigny, Moll. viv. et foss., p. 259.
 1845. " " Lovén, Öfversigt k. Vetensk. Akad. Förhandl., p. 121.
 1849. " " Gray, B. M. C., p. 90.
 1853. " " Forbes and Hanlèy, Brit. Moll., vol. iv. p. 223, pl. sss, fig. 1.

Habitat.—Off the Butt of Lewis, H.M.S. "Triton," August 25, 1882; 40 fathoms. Three specimens, ♀.

The Minch, H.M.S. "Porcupine," 1869. One specimen, ♀.

Off Wexford, H.M.S. "Porcupine," 1869. One specimen, ♂.

¹ Since these remarks were in type, I have received Appellöf's interesting Memoir on Japanese Cephalopoda, and his description has left no doubt in my mind that the Challenger specimens are of the same species as those which he has named *Iniotheuthis morsei*, Verrill; I have, therefore, at the moment of going to press adopted that name in the text of this Report. The absence of males in the collection is greatly to be regretted, as a comparison of the peculiar hectocotylised arm would have rendered the identification still more satisfactory.

² *Trans. Zool. Soc. Lond.*, vol. i. p. 84, pl. ii. figs. 1, 2.

³ Niemiec, *Recueil zool. suisse*, t. ii. p. 90.