

- 19 (18) Seventeen lateral grooves. Up to 2 small papillae in a side field. Buff with irregular black spots. Ship Cove ..... *P. maculata* n. sp.
- 20 (17) More than 3 lateral grooves branching .....
- 21 (22) Fifteen lateral grooves on either side. Papillae large, oval, crowded, 3-4 in each side field. Collingwood ..... *P. simrothi* Suter
- 22 (23) Fourteen-sixteen branching lateral grooves. Large rounded papillae in single row either side anterior to mantle area, double row posterior. Mantle area frequently quadrilateral. Dark grey. Mid-Canterbury ..... *P. dendyi* Suter
- 23 (24) Sixteen lateral grooves. Two-three large papillae in each side field. Colour grey, with large black spot on posterior apex of mantle area. D'Urville Island ..... *P. johnsi* n. sp.
- 24 (20) Fifteen shallow lateral grooves. Three-four papillae in each side field. Notum densely covered with small black spots. Pelorus Sound ..... *P. schauinslandi* (Plate)

*Pseudaneitea papillata* (Hutton) 1878. (Pl. I, fig. 1.)

1878. *Janella papillata* Hutton, *Trans. Proc. N.Z. Inst.*, XI, pp. 331, 332.
1880. *Janella papillata* Hutton, *Man. N.Z. Moll.*, p. 27.
1881. *Janella papillata* Hutton, *Trans. Proc. N.Z. Inst.*, XIV, pp. 158-161.
1883. *Janella bitentaculata* var. *papillata* Hutton, *Trans. Proc. N.Z. Inst.*, XVI, p. 206.
1892. *Janella bitentaculata* var. *papillata*, Hedley, *Trans. Proc. N.Z. Inst.*, XXV, p. 158.
1893. *Janella papillata*, Hedley and Suter, *Proc. Linn. Soc. N.S.W.*, Ser. 2, VII (4), pp. 661, 662.
1893. *Athoracophorus (Pseudaneitea) papillatus*, Suter, *Trans. Proc. N.Z. Inst.*, XXVI, pp. 123-125.
1894. *Athoracophorus (Pseudaneitea) papillatus*, Suter, *J. Conchyliol.*, XLI, p. 235.
1897. *Athoracophorus (Pseudaneitea) papillatus*, Suter, *Proc. malac. Soc. Lond.*, II, (6), p. 251.
1898. *Janella papillata*, Plate, *Zool. Jb.*, XI, p. 202, Pl. XIV, fig. 39.
1909. *Athoracophorus (Pseudaneitea) papillatus*, Suter, *Proc. malac. Soc. Lond.*, VIII (5), 325.
1913. *Athoracophorus (Pseudaneitea) papillatus*, Suter, *Man. N.Z. Moll.*, p. 801, Pl. XXXI, figs. 9, 9a.
1937. *Pseudaneitea papillata*, Powell, *Shell. N.Z.*, p. 123.
1962. *Pseudaneitea papillata*, Burton, *Tuatara*, 9 (3), pp. 87-97.

This is a handsome species growing up to 101mm long, dark olive green excepting the off-white sole and hyponotum, with black head shield and mantle area and obvious black-tipped, conical papillae ranging up to 2mm in diameter near the mid-dorsal line. The body is cylindrical, the back broadly convex, and the tail tapers to a blunt point. When the animal is at rest, the tentacles are partially retracted, the head shield recessed, the anterior portion of the perinotum protruded on either side, and the body longitudinally compressed to half the length attained while crawling. The sole is smooth, broad anteriorly, tapers to a rounded posterior tip, is divided into one broad median and two narrow lateral muscular zones, and is bordered on either side by a narrow hyponotum. On the ventral surface, at about 1/20 body length, is a small, oval mouth, bordered anteriorly by two oval preoral lobes, and separated from the sole by a deep, narrow, transverse furrow. The head shield is small, equilaterally triangular with the base anterior, bisected by a median groove, the sides defined by two convex grooves commencing between the preoral lobes, emerging onto the dorsum lateral to the tentacles, and running back to the midline; rarely the apex is produced posteriorly to the renal orifice at about 1/4 body length. The head shield carries a pair of tentacles anteriorly, and the genital orifice, a short, narrow, slightly curved slit, in the right margin lateral to the tentacle. The tentacles are up to 6mm long, basally sheathed, medially narrowed, and apically swollen with small black eyes at the tips. They are retracted in preserved specimens. The mantle area is a small, acute isosceles triangle with the base anterior, occupying about 1/10 body length and about 1½ times as long as broad, defined on the left by the median groove, here displaced slightly left of the midline. It contains the