

*Tonia atlantica*, Gray, Ann. and Mag. Nat. Hist., 1840, vol. vi. p. 180.

*Asteracanthion aurantiacus*, Müller and Troschel, 1842, System der Asteriden, p. 21.

*Stichaster aurantiacus*, Verrill, 1871 (1867), Trans. Conn. Acad. Arts and Sci., vol. i. part 2, p. 293.

*Locality*.—Valparaiso. November 1875. On the shore.

2. *Stichaster roseus* (O. F. Müller), Sars.

*Asterias rosea*, O. F. Müller, 1788, Zool. Dan., p. 35, tab. lxxvii.

*Linckia rosea*, Thompson, 1840, Ann. Nat. Hist., vol. v. p. 245.

*Cribella rosea*, Forbes, 1841, Hist. Brit. Starfishes, p. 106.

*Asteracanthion roseus (pars)*, Müller and Troschel, 1842, System der Asteriden, p. 17.

*Stichaster roseus*, Sars, 1861, Oversigt af Norges Echinodermer, Christiania, p. 86.

A number of examples of this species were collected during the "Porcupine" Expedition, but no record is given of the Station or depth at which they were obtained.

3. *Stichaster albulus* (Stimpson), Verrill.

*Asteracanthion roseus (pars)*, Müller and Troschel, 1842, System der Asteriden, p. 17.

*Asteracanthion albulus*, Stimpson, 1853, Syn. Mar. Invert. Grand Manan, p. 14.

*Asteracanthion problema*, Steenstrup, 1855, Videnskab. Medd. naturh. Foren. i Kjøbenhavn f. 1854, p. 240.

*Asterias albula*, Stimpson, 1863, Proc. Acad. Nat. Sci. Philadelphia, p. 142.

*Stichaster albulus*, Verrill, 1866, Proc. Boston Soc. Nat. Hist., vol. x. p. 351.

*Stephanasterias albula*, Verrill 1872 (1871), Bull. Essex Institute, vol. iii. p. 5.

*Locality*.—Station 49. South of Halifax, Nova Scotia. May 20, 1873. Lat. 43° 3' 0" N., long. 63° 39' 0" W. Depth 85 fathoms. Gravel, stones. Bottom temperature 35°·5 Fahr.; surface temperature 40°·5 Fahr.

4. *Stichaster polyplax*, Müller and Troschel, sp.

*Asteracanthion polyplax*, Müller and Troschel, 1844, Archiv f. Naturgesch., Jahrg. x., Bd. i., p. 178.

*Asterias polyplax*, Perrier, 1875, Révis. Stell. Mus., p. 63 (Archives de Zool. expér., t. iv. p. 327).

*Locality*.—Station 162. Off East Moncœur Island, Bass Strait. April 2, 1874. Lat. 39° 10' 30" S., long. 146° 37' 0" E. Depth 38 to 40 fathoms. Sand and shells. Surface temperature 63°·2 Fahr.

*Remarks*.—The structure of this form necessitates, in my opinion, its removal from the genus *Asterias*; and on these grounds I have classed it with *Stichaster*, although I am inclined to think that when more is known of the anatomy of *Stichaster*, the establishment of a subgenus, if not actually a distinct genus, may be required for the reception of *Asteracanthion polyplax*, in which probably some other forms now placed under *Asterias* may also ultimately be included.