

Chorological Synopsis of the Species.

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Crossaster affinis</i>	{ Atlantic († Pacific: Bering Strait).	70 to 634	{ Clay (coarse, sandy, Blue); Stones.
<i>Crossaster neptuni</i>	
<i>Crossaster papposus</i>	Atlantic.	Shallow water to 640	Hard ground, Clay.
<i>Crossaster penicillatus</i>	Southern Ocean.	140	Volcanic mud.

1. *Crossaster papposus* (Linck), Müller and Troschel.

Triskaidecactis papposus, Linck, 1733, De Stellis marinis, p. 43, tab. xxxii. No. 52, tab. xxxiv. No. 54.

Asterias helianthemoides, Pennant, 1777, British Zoology, vol. iv. p. 66, No. 72.

Asterias papposa, Fabricius, 1780, Fauna Grœnlandica, p. 369, No. 364.

Asterias (Solasterias) papposus, Blainville, 1834, Manuel d'Actinologie, p. 241.

Stellonia papposa, Agassiz, 1835, Prodr. Monog. Rad., Mém. Soc. Sci. Nat. Neuchatel, t. i. p. 192.

Solaster papposa, Forbes, 1839, Ast. Irish Sea, Mem. Wern. Soc., vol. viii. p. 121.

Crossaster papposus, Müller and Troschel, 1840 (April), Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 103.

Solaster (Polyaster) papposa, Gray, 1840 (November), Ann. and Mag. Nat. Hist., vol. vi. p. 183.

Localities.—Station 48. South-west of Halifax, Nova Scotia. May 8, 1873. Lat. 43° 4' 0" N., long. 64° 5' 0" W. Depth 51 fathoms. Rock. Surface temperature 38° 0 Fahr.

"Porcupine" Expedition:

Station 52. In the Faerøe Channel. Lat. 60° 25' N., long. 8° 10' W. Depth 384 fathoms. Bottom temperature - 0° 8 C.; surface temperature 11° 2 C.

Station 57. In the Faerøe Channel. Lat. 60° 14' N., long. 6° 17' W. Depth 632 fathoms. Bottom temperature - 0° 8 C.; surface temperature 11° 1 C.

Station 64.¹ Between the Faerøe and Shetland Islands. Lat. 61° 21' N., long. 3° 44' W. Depth 640 fathoms. Bottom temperature - 1° 1 C.; surface temperature 9° 3 C.

"Knight Errant" Expedition:

Station 3. In the Faerøe Channel. August 3 and 4, 1880. Lat. 59° 12' N., long. 5° 57' W. Depth 53 fathoms.

1a. *Crossaster papposus*, var. *septentrionalis*, Sladen.

Crossaster papposus, var. *septentrionalis*, Sladen, 1882, Proc. Roy. Soc. Edin., vol. xi. p. 704.

Rays ten, short, broad at the base, and sharply tapering. R = 35 mm., r = 18 mm. R < 2 r. Abactinal surface of the disk gibbous, sloping rather quickly at the base of the

¹ This occurrence is recorded in Sir Wyville Thomson's Depths of the Sea, but I have not seen any specimen from this station.