

Chorological Synopsis of the Species herein mentioned.

	Ocean.	Range in Fathoms.	Nature of the Sea-bottom.
<i>Ophidiaster attenuatus</i>	Atlantic.	450	Volcanic mud.
<i>Ophidiaster cylindricus</i>	{ Indian, Eastern Archi- pelago, and Pacific. }	Shallow water.	On the reefs.
<i>Ophidiaster helicostichus</i>	Eastern Archipelago.	6	Coral mud.
<i>Ophidiaster ophidianus</i>	Atlantic.	450	Volcanic mud.
<i>Ophidiaster tuberifer</i>	Eastern Archipelago.	8	Coral mud.

1. *Ophidiaster attenuatus*, Gray.

Ophidiaster (Hacelia) attenuatus, Gray, 1840, Ann. and Mag. Nat. Hist., vol. vi. p. 284.

Asterias coriacea, Grube, 1840, Actin. Echin. u. Wurm. d. Adriat. u. Mittelmeers, p. 22.

Ophidiaster attenuatus, Müller and Troschel, 1842, System der Asteriden, p. 29.

Locality.—Station 75. Between the Islands of Fayal and San Jorge, Azores. July 2, 1873. Lat. 38° 35' 0" N., long. 28° 28' 30" W. Depth 450 fathoms. Volcanic mud. Surface temperature 70°·0 Fahr.

2. *Ophidiaster ophidianus* (Lamarck), Agassiz.

Asterias ophidiana, Lamarck, 1816, Hist. nat. anim. s. vert., t. ii. p. 567.

Ophidiaster ophidianus, Agassiz, 1835, Mém. Soc. Sci. Nat. Neuchatel, t. i. p. 191.

Ophidiaster aurantius, Gray, 1840, Ann. and Mag. Nat. Hist., vol. vi. p. 284.

Locality.—Station 75. Between the Islands of Fayal and San Jorge, Azores. July 2, 1873. Lat. 38° 38' 0" N., long. 28° 28' 30" W. Depth 450 fathoms. Volcanic mud. Surface temperature 70°·0 Fahr.

Remarks.—I have referred with doubt to this species a single small example which measures R = 13·5 mm. The specimen is almost too small for accurate determination, but the form of the rays and the general character seem to me to be those of the species in question.

3. *Ophidiaster cylindricus* (Lamarck), Müller and Troschel.

Asterias cylindrica (pars), Lamarck, 1816, Hist. nat. anim. s. vert., t. ii. p. 567.

Ophidiaster cylindricus, Müller and Troschel, 1840 (April), Monatsber. d. k. prouss. Akad. d. Wiss. Berlin, p. 103; System der Asteriden, p. 29.

Dactylosaster cylindricus, Gray, 1840 (December), Ann. and Mag. Nat. Hist., vol. vi. p. 283.

Linckia cylindrica, v. Martens, 1866, Archiv f. Naturgesch., Jahrg. xxxii, Bd. i. p. 85.

Ophidiaster asperulus, Lütken, 1871, Videnskab. Medd. naturh. Foren. i Kjøbenhavn, p. 274, tab. v. fig. 4.

Locality.—Kandavu, Fiji Islands. On the reefs.