

(Mus. Holm.) Two specimens from Fiji Islands, agreeing in all respects with those described by Semper. Colour uniformly reddish-brown or dark brown, which colour seems to characterise this species from the following three, which are marked with spots, bands, or shades of a darker colour on a lighter ground. So far as I can discover, the digits of the tentacles are united by a distinct web. Cartilaginous ring absent, but the tentacular canals are united by a web, excepting in the calcareous ring, where openings are left between them. Numerous small simple madreporic canals and Polian vesicles round the water-vascular ring.

*Synapta grisea*, Semper, 1868.

Digits of the tentacles free. Numerous Polian vesicles. Deposits like those in the preceding species, but the miliary granules are much more numerous and aggregated.

*Habitat.*—Bohol (Semper), Fitzroy Island and Queensland (Bell), Indian Ocean (Ludwig).

(Mus. Holm.) Two specimens dredged at Bowen, differing mainly from *Synapta glabra* in the colour, which, like that in *Synapta beselii*, is marked with spots, bands, and shades of a darker greenish-grey colour on a lighter dirty ground, and by possessing numerous rosette-shaped miliary granules collected in masses.

*Synapta serpentina*, J. Müller, 1850 and 1854; Semper, 1868. (?) *Synapta raynaldi*, Held, 1857. (?) *Synapta intestinalis*, Held, 1857.

This species seems to agree in all points with *Synapta grisea*, excepting with regard to the calcareous ring, which presents some small differences. They may probably be identical.

*Habitat.*—Celebes (Müller), Zanzibar (Selenka).

*β. One or several madreporic canals.*

*Synapta lappa*, J. Müller, 1850 and 1854.

Digits of the tentacles free. Numerous Polian vesicles. Anchor-arms smooth. Anchor-plates with seven large dentate holes, and two large and some minute smooth holes.

*Habitat.*—West Indies (Müller).

In 1850 Müller speaks of but a single madreporic canal, but in 1854 he says that one or several may be present. The miliary granules have probably been overlooked. The anchor-plates differ from those in the three preceding species in the presence of the two larger smooth holes at the handle.