

The following forms are more or less imperfectly known and need to be re-examined. They seem to belong to the same group as *Synapta inhærens*.

*Synapta viridis* (*Holothuria*), Lesueur, 1824 ; Lamarck, 1840. *Heterosynapta viridis*, Verrill, 1867–1871.

Tentacles unequal, eight larger with twelve to fourteen digits (pennatulæ), and four smaller destitute of digits. Body covered with small prehensile tubercles. Deposits unknown.

*Habitat*.—St. Thomas (Lesueur).

*Synapta hydriformis* (*Holothuria*), Lesueur, 1824 ; Lamarck, 1840. *Leptosynapta hydriformis*, Verrill, 1867–1871.

Tentacles twelve, equal, with twelve to fourteen digits, united at the base by a diaphanous membrane. Body furnished with very small, distant tubercles. Deposits unknown.

*Habitat*.—Guadaloupe (Lesueur).

*Synapta verrucosa* (*Chirodota*), Eschscholtz, 1829 ; Grube, 1850. *Leptosynapta verrucosa*, Verrill, 1867–1871.

Number of tentacles unknown. Each tentacle with nine digits ; the terminal digit longer than the rest. Body covered with small reddish warts. Deposits unknown.

*Habitat*.—Sitche (Eschscholtz).

*Synapta lumbricoides* (*Chirodota*), Eschscholtz, 1829 ; Grube, 1850.

Number of tentacles unknown. Each tentacle with eleven digits of almost equal size. Deposits unknown.

*Habitat*.—Radak (Eschscholtz).

*Synapta pourtalesii*, Selenka, 1867. *Synapta viridis*, Pourtales, 1851. *Leptosynapta pourtalesii*, Verrill, 1867–1871.

Tentacles twelve, with about twenty digits. Deposits nearly of the same shape as those in *Synapta inhærens*.

*Habitat*.—Biscayne Bay in Florida (Pourtales).

The species must be very nearly allied to *Synapta inhærens*.