

# CLASS HOLOTHOROIDEA

## Subclass Dendrochirota

Diagnosis. 8-30 oral tentacles ranging from digitiform to highly branched, retractor muscles, tube feet. (e.g., *Cucumaria*, *Eupentacta*, *Psolus*, *Thyone*)

## Order Dendrochirotida (Grube, 1840)

Diagnosis. Tentacles highly branched, calcareous ring simple or complex, retractor muscles.

### Family Phyllophoridae

Diagnosis. Small to medium sized, U-shaped, body tapers to posterior end, 10 dendritic tentacles (2 ventral tentacles smaller), tube feet non-retractable in 5 distinct double rows, Calcareous ring with long processes divided into pieces, plate ossicles.

*Pentamera populifera* (Stimpson, 1864)

*Pentamera pseudopopulifera*

*Pentamera pseudocalcigera* Deichmann, 1938

*Pentamera lissoplaca*

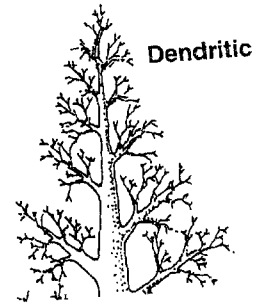
*Havelockia benti*

*Havelockia charlottae*

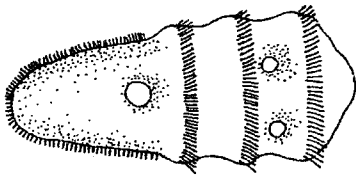
General Body Design:



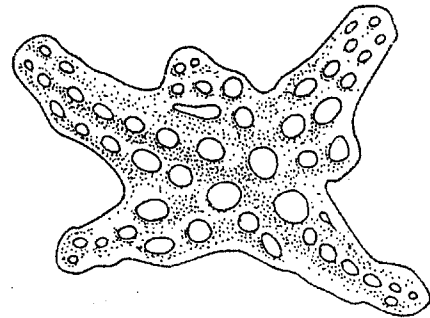
General Tentacle Morphology:



Larvae Morphology:



General Ossicle Morphology:



General Ring Canal Morphology:

