

## METAGENESIS CALYCONNECTARUM.

Synopsis of the alternation of generations in the genera of monogastric and polygastric Calyconnectæ (compare the descriptions of the individual genera and species in this Report).

## I. MONOGASTRIC GENERATION.

*Diplophysa inermis*, Ggbr., Mediterranean.  
*Diplophysa köllikeri*, Hkl., Tropical Pacific, Indian Ocean.

? *Eudozella didyma*, Hkl., Atlantic.  
 ? *Eudozella galea*, Hkl., North Atlantic.

*Cucubalus eschscholtzii*, Huxley, Mediterranean.  
*Cucubalus pyramidalis*, Will, North Atlantic.  
 ? *Cucubalus cordiformis*, Quoy, Tropical Pacific.

*Cuboides vitreus*, Quoy, Mediterranean.  
*Cuboides crystallus*, Hkl., North Atlantic.  
*Cuboides nacella*, Hkl., Indian Ocean.  
*Cuboides vogtii*, Hkl., Tropical Pacific.

*Cucullus campanula*, Hkl., North Mediterranean.  
*Cucullus gegenbauri*, Hkl. (= *Eudoxia messanensis*, Ggbr.), South Mediterranean.  
*Cucullus subtilis*, Hkl., Mediterranean.  
 ? *Cucullus elongatus*, Hkl., North Atlantic.  
*Cucullus lessoni*, Lesson, Pacific.  
*Cucullus gracilis*, Hkl., Indian Ocean.

*Amphiroa trigona*, Hkl., Mediterranean.  
*Amphiroa carina*, Hkl., Tropical Atlantic.  
 ? *Amphiroa alata*, Huxley, Indian and Pacific Ocean.  
 ? *Amphiroa angulata*, Huxley, South Pacific.

*Sphenoides tetragona*, Hkl., Indian Ocean.  
*Sphenoides obeliscus*, Hkl., North Atlantic.  
 ? *Sphenoides perforata*, Hkl., Tropical Atlantic.  
*Sphenoides australis*, Huxley, South Pacific.

*Aglaisma eschscholtzii*, Huxley, Mediterranean.  
*Aglaisma gegenbauri*, Hkl., Tropical and Subtropical Atlantic.  
 ? *Aglaisma elongata*, Huxley, Tropical Pacific.

? *Ersæa gaimardi*, Esch., Mediterranean.  
*Ersæa compressa*, Hkl., Tropical Atlantic.  
*Ersæa dispar*, Hkl., Tropical Pacific.

? *Lilæa medusina*, Hkl., Indian Ocean.

## II. POLYGASTRIC GENERATION.

*Sphæronectes gracilis*, Hkl., Mediterranean.  
*Sphæronectes köllikeri*, Huxley, Tropical Pacific, Indian Ocean.

? *Praya cymbiformis*, Leuck., Atlantic.  
 ? *Praya galea*, Hkl., North Atlantic.

*Muggiæa kochii*, Chun, Mediterranean.  
*Muggiæa pyramidalis*, Busch, North Atlantic.  
 ? *Muggiæa chamissonis*, Hkl., Tropical Pacific.

*Cymba enneagonum*, Esch., Mediterranean.  
*Cymba crystallus*, Hkl., North Atlantic.  
*Cymba nacella*, Lesson, Indian Ocean.  
*Cymba vogtii*, Hkl., Tropical Pacific.

*Diphyes acuminata*, Leuck., North Mediterranean.  
*Diphyes sieboldii*, Köll. (= *Diphyes gracilis*, Ggbr.), South Mediterranean.  
*Diphyes subtilis*, Chun, Mediterranean.  
 ? *Diphyes elongata*, Hyndman, North Atlantic.  
*Diphyes appendiculata*, Esch., Pacific.  
*Diphyes gracilis*, Hkl., Indian Ocean.

*Abyla trigona*, Quoy, Mediterranean.  
*Abyla carina*, Hkl., Tropical Atlantic.  
 ? *Abyla alata*, Hkl., Indian and Pacific Ocean.  
 ? *Abyla leuckarti*, Huxley, South Pacific.

*Bassia tetragona*, Hkl., Indian Ocean.  
*Bassia obeliscus*, Hkl., North Atlantic.  
 ? *Bassia perforata*, L. Ag., Tropical Atlantic.  
*Bassia quadrilatera*, Quoy, South Pacific.

*Calpe pentagona*, Quoy, Mediterranean.  
*Calpe gegenbauri*, Hkl., Tropical and Subtropical Atlantic.  
 ? *Calpe huxleyi*, Hkl., Tropical Pacific.

? *Diphyopsis campanulifera*, Hkl., Mediterranean.  
*Diphyopsis compressa*, Hkl., Tropical Atlantic.  
*Diphyopsis dispar*, Hkl., Tropical Pacific.

? *Lilyopsis medusina*, Hkl., Indian Ocean.