

The two anterior bands of cilia have shifted their positions on the ventral side to such an extent that they now lie in interradii of the developing star. In proportion to the size of the star in three and five day embryos, the larval organ in the latter is much smaller.

Fig. 5.

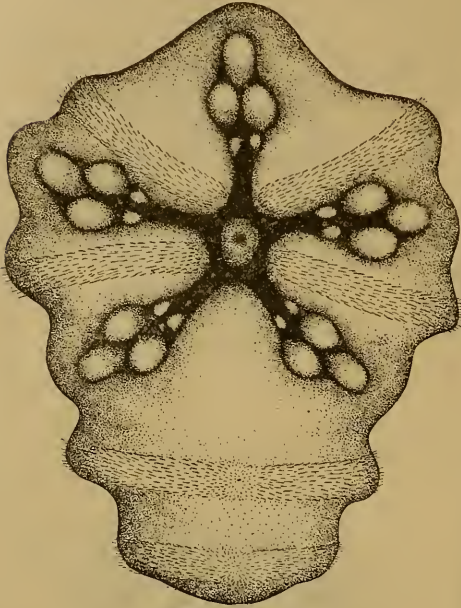


Figure 5 is a sketch of a five day larva, and is about the same stage as the youngest figured by Krohn.

It will be noted that from the very first appearance of any part of the adult structure, it has had a direct and constant relation to the larval body. That pouch of the hydrocoel, which by any method of numbering would be 3, points towards the anterior end of the larva and opposite it is the interradius which contains the pore and stone canals. The plane which cuts the larva into two bilaterally symmetrical

halves, also divides the developing star symmetrically, that is, in the axis of its radial symmetry. We have in the live history of *O. olivacea*, a complete verification of the conclusion arrived at by Goto in his study of the relation of the adult form to the larva in *Asterias pallida*. Here, however, there is nothing to obscure the relations referred to while in *A. pallida*, there are several factors which so complicate the question as to allow of other conclusions than the one arrived at by Goto, viz: in *A. pallida* the rotation of the oral and aboral disks brings into the same radius arm III and radial water tube 2.

Baltimore Md., 24./12. 1898.

### III. Personal-Notizen.

#### Necrolog.

Am 18. Januar starb in Wien Dr. Karl Friedr. Wilh. Claus, Professor der Zoologie emer. der dortigen Universität. Am 2. Januar 1835 in Kassel geboren, studierte er in Göttingen und Gießen, wurde Professor in Göttingen und Marburg und später nach Wien berufen.

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