

***Scoloplos acmeceps* and *Scoloplos armiger* complex**

RCR070214

I have been methyl green staining *Scoloplos* specimens primarily to see if there are differences that might correlate with the multiple taxa that are contained with the current concepts of these two "species". (*Scoloplos acmeceps* might also represent a complex of species)

The following is preliminary but it does look like there is a difference between *S. acmeceps* and *S. armiger* complex.

It appears that our common Orbiniidae taxa (*Scoloplos* and *Leitoscoloplos*) possess a thin ciliary band that surrounds thoracic setigers (midsegmentally). In *Leitoscoloplos* it is often visible as a thin, brown, encircling band.

That ciliary band appears to stain in *Scoloplos armiger* complex (at least the several specimens encountered in CSD SBOO l3 rep. 2 22Jan2007 27 m.) but not in *Scoloplos acmeceps* encountered in the same sample.

