

Diffrentiation of Two Species of Lysippe (Polychaeta: Ampharetidae) from Shelf Depths.

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These two species are found in shelf depths (200m or less) and can co-occur. They may be separated on the basis of the branchiae, structure of the lower lip, and methyl green staining pattern. Both species have 16 thoracic setigers plus small palae and 13 thoracic uncingers; 4 pairs branchiae.

I. Lysippe A (commonly accepted as L. labiata)

1. Branchiae moderately thick, textured, and with a few dark cross-bars.
2. Prostomium clearly trilobed, with middle portion extended a bit beyond the lateral margins.
3. Lower lip broad, with faint crenulations; anterior margin of lip squared off (fig. 1)
4. Methyl green staining:
 - a. On uncinger 8, a conspicuous presetal narrow white band evident immediately after staining.
 - b. Typical ventral pattern per segment: narrow dark band, narrow light band, broad medium-dark band (fig. 2).
 - c. Torus does not stain.
 - d. After sitting in 70% ethanol for a while, the stain remains darkest at uncingers 3 and 4.
 - e. Ventrally, stains through 11 setigers



Figure 1

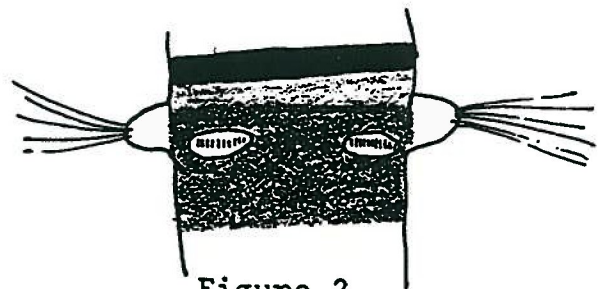


Figure 2