

DRAFT

*Levinsenia* sp. A SCAMIT, 1998  
Polychaeta: Paraonidae

SCAMIT Vol. XX, No. XX

SCAMIT Code: None

Date Examined: September, 1998

Voucher By: Larry Lovell

Synonymy: *Levinsenia* sp. 1 Lovell 1997

Material: 1 specimen, 3-5-6, 1.0 mm, shallow, Santa Barbara County, CA, CCP, (LLL)  
1 specimen, RA 4, Alki Point, Puget Sound, 1984, MTS, (HRJ)  
1 specimen (complete), Station 6 rep 1, Chevron-Gail, 3/84, MEI, (LLL)  
1 specimen (complete), Station NI rep 1, .5mm screen, 100 ft., Gaviota Biocore,  
13 AUG92, UCSB, (LLL)  
1 specimen, Station C rep 1, .5mm screen, 100 ft., Gaviota Biocore, 28OCT93, UCSB,  
LLL)

Literature: Blake, J. A. 1996. Paraonidae. in Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel Vol. 6 The Annelida Part3, Chapter 2. pp. 27-70. Eds. J. A. Blake, B. Hilbig and P. H. Scott. Santa Barbara Museum of Natural History Santa Barbara, CA.

Fauchald, K. 1977. The polychaete worms. Definitions and keys to the orders, families and genera. Natural History Museum of Los Angeles County Science Series 28:1-109.

Streltsov, V. A. 1973. Polychaete Worms of the family Paraonidae (polychaete, Sedentaria) Akademiya Nauk SSSR, Leningrad. pp. 1-120. (In Russian). (Translated by the Smithsonian Institution).

#### Diagnostic Characters:

1. Prostomium conical with terminal sensory organ, nuchal grooves present at rear of peristomium, median antennae absent.
2. setigers 1-5 inflated, body transition at setiger 6.
3. Branchiae begin on setiger 7; 4 - 8 pairs; short, flattened and cupped with a cillary band on the interior edge
4. Notopodial and neuropodial lobes absent.
5. Notosetae all capillary; neurosetae capillary only in pre-branchial and branchial setigers; modified acicular neurosetae begin in postbranchial setigers; up to 6 per setiger with strongly curved tips and subterminal hood alternating with capillaries. - 0.1?
6. Pygidium with 2 short, digitate anal cirri.
7. M.G. stains dorso-lateral areas in interramal area of anterior and branchial setigers.

#### Related Species and Character Differences:

This species differs from local species (*Levinsenia gracilis*, *L. multibranchiata*, and *L. oculata*) by possessing 4-8 pairs of flattened branchiae and modified neurosetae with hoods.

Construction

capill.

*Levinienia* sp. A, continued

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**Discussion:** This species belongs in the genus *Levinsenia* as defined by Blake (1996) and Fauchald (1977). The modified neurosetae are unusual for the genus. Streltsov (1973) restricted *Levinsenia* (*Tauberia*) modified neurosetae to - "Thickened modified setae without continuous sheath and without subdistal protuberance . . . ". Since the genus *Aricidea* contains species with different types of modified neurosetae, there seems no reason to restrict the genus *Levinsenia*

**Depth Range:** 100 ft.

**Distribution:** Carpinteria, CA; Western Santa Barbara Channel; Alki Pt., Puget Sound, WA.  
0.5 mm screen