



CITY OF SAN DIEGO VOUCHER SHEET

Species: *Thelepus hamatus*

Authority: Moore, 1905

Common Synonyms:

Taxon: Polychaeta: Terebellidae

Date: May 11, 1995

By: K. Barwick

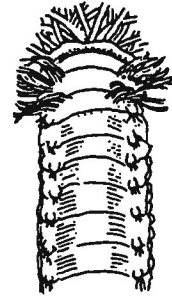
Voucher Specimen(s):

Station	Date	Storage Location	Voucher#
E5(1)	1/23/95	Main	TBA

Characters:

1. Branchiae filiform single/row 5
2. ^{All} Some thoracic uncini in double rows
3. First setae present from second branchial segment
4. Two pairs of branchial tufts
5. Eyespots present

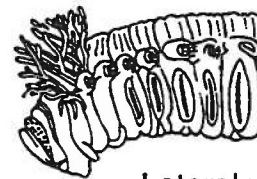
Illustration: (modified from Hartman, 1969)*



Dorsal view

Full Description: (Hartman, 1969)

Length of 31 segments is 21 mm, and width 2.5 mm at segment three; body tapers posteriorly. Prostomium a prominent arched fold over mouth. Tentacles number about 15 pairs, each thick, deeply grooved longitudinally. First 20 segments rough and furrowed, short, increase in length farther back to about two-thirds as long as wide. Branchiae 2 pairs, dorsolaterally inserted on segments 2 and 3; each of first pair about 6 and second with 3 filaments; all filaments threadlike. Notopodia situated at high level. [Noto]Setae from segment 3, continued through at least 28 segments; anterior setae short, acute, curved; lengthen posteriorly and continue curved. Thoracic uncini present from segment 5, in short tori, number 40-60 in a row. Each avicular, with a large fang and with 2-3 teeth at vertex above the fang. Posterior uncini smaller, the number of teeth in the crest more numerous. Tube membranous with attached stones and sponge spicules.



Lateral view

* The above figures from Hartman are of *T. setosus* which have been electronically altered to represent *T. hamatus*.

Related Species:

T. hamatus most closely resembles the *Streblosoma* spp recorded from our sample area. They all have filiform branchiae emerging in discreet tufts. *Streblosoma* spp., in addition to the other species of *Thelepus*, have three pairs of branchial tufts. *T. hamatus* has two pairs of branchial tufts. The first pair of setae on *Streblosoma* spp. are present from the first branchial segment. In *Thelepus* spp.; the first setae are present from the second branchial segment.

Comments:

Moore, in his original 1905 description reported that *T. hamatus* has eyespots. This was omitted from Hartman's 1969 redescription, reprinted above. *T. hamatus* has eye spots.

References:

Hartman, O. 1969. Atlas of Sedentary Polychaetus Annelids from California. Allan Hancock Foundation. University of Southern California, Los Angeles, 812 pp.

(over)

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Additional Illustrations:

Distribution— (Hartman, 1969)

Pt. Loma: E5, 320 ft.

Geographic: Alaska and western Canada, in shelf and slope depths; off Santa Catalina Island.

Habitat: In 46-49 fms., in sand.