
SCAMIT Provisional Species Voucher Sheet

Loimia sp A SCAMIT 2001

March 2001

Examined by T. Parker, CSDLAC

Literature:

Hutchings, P., C. Glasby. 1988. The Amphitritinae (Polychaeta:Terebellidae) from Australia. Records Australian Museum. (40) 1-60.

Hutchings, P., C. J. Glasby 1995. Description of the widely reported terebellid polychaetes *Loimia medusa* (Savigny) and *Amphitrite rubra* (Risso). Mitt.hamb.zool.Mus.Inst. (92) 149-154.

Hilbig, B. 2000. Terebellidae. *in* Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and the Western Santa Barbara Channel. Vol 7. eds: Blake, J. A., B. Hilbig, P. V. Scott. pp 258-260.

Synonymy:

Loimia medusa of SCAMIT Taxonomic List Vol 3. 1998, not *Loimia medusa* (Savigny).

Diagnostic Characters:

1. Lacks prostomial eyespot patches, no red dots on tentacles.
2. First lateral lobe directed anteriorly and ventrally to form thin ventral collar-like structure which recedes mid-line to expose oral opening. No apparent ventral scoop structure.
3. Lobes large and "ear" shaped, with second pair directed anteriorly but more dorsally; giving it a taller, not longer, appearance. See Figure 1.
4. Upper lip extended anteriorly, but mostly hidden by tentacle mass.
5. Notosetae capillaries without wings, or very narrow wings visible only via compound scope. Uncini usually with 5 teeth, each slightly thicker than tooth above. See figures 2 and 3.
6. Pygidium with 7 papillae distributed evenly around anus. See figure 4.
7. Staining: Ventral thorax on setigers 1-7 with strong diffuse stain. Dorsum stains more weakly revealing discrete very small dots. Uncinal base with dark stain around fascicle margin. Some specimens with body/parapodial walls slightly stained in oval pattern just anterior to uncini base. Abdomen unstained.

Distribution: Palos Verdes, California and much of southern California benthos, 30-60 meters in silty sand to silt.

Material examined:

CSDLAC stations: 0792-1C5, 0193-2C, 0795-3C, 0197-0D, 0797-0D, 11-79W-30, 0799-1D, 0100-4D.

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Related species and differences:

Loimia triloba: Three pairs of small lateral lobes, lobes apparently from segment 3 and 4 are small, with lobes of segment 4 elongate in shape.

Loimia ochracea: Incomplete specimen in poor condition, lateral lobes small, rounded to semi-spherical. Known only from limited Australian location.

Loimia ingens: Species complex designation without eyespots, 2 pairs of well developed lateral lobes, and a third at junction of segment 2/3. Terminal branchia filaments spiralled. Uncini in adults vary in number from 3-7 vertically arranged teeth. Unpigmented body or with banded tentacles, or mottled brown pigment on thorax and solid brown on ventral pads,

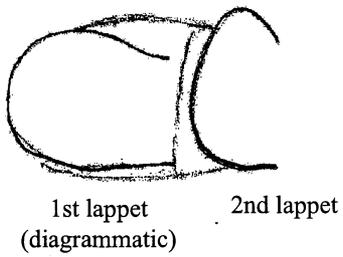
Loimia batilla: Tentacles with thin pigment bands. Eyespots absent. Lateral lobes unite ventrally to form scoop shape structure. Notosetae include thick broad winged structure and slender narrow winged setae. Uncini teeth 5-6 in vertical series.

Loimia medusa: Two small patches of eyespots on prostomium, small red dots on oral tentacles sometimes present, first lateral lobe anteriorly directed and ventrally forming scoop structure, covers base of tentacles, but is reduced at ventral mid-line to expose oral opening. Upper lip projecting anteriorly. Lobes generally "ear" shaped. Notosetae all smooth tipped with narrow wings. 4-5 uncinal teeth in vertical row. Anal papillae absent. Known from sandy/coral rubble in the Red/Iranian Sea. Neotype 32 mm long.

Comments:

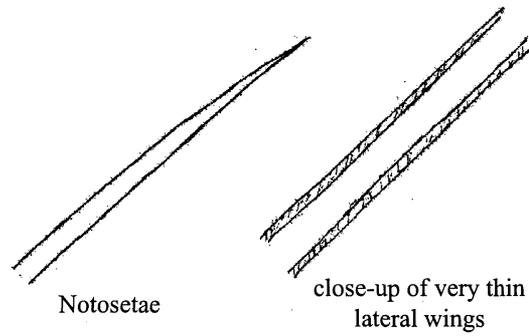
Hutchings and Glasby published a redescription of *Loimia medusa* in 1995 following their decision that Australian specimens recorded as *L. medusa* were misidentified. In 1997 the SCAMIT newsletter (Vol 16, No. 6) carried a brief review of their results and suggested that local records of *L. medusa* were erroneous. In Volume 7 of the MMS Taxonomic Atlas, Hilbig produced a description of *L. medusa* but warned that California records may eventually belong to a new or different species. This voucher sheet designation will replace the *Loimia* listing in the 4th edition of the SCAMIT Taxonomic List. Please see additional comments in this issue of the newsletter.

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1st lappet
(diagrammatic) 2nd lappet

Figure 1.



Notosetae

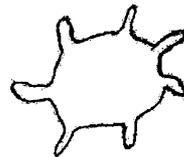
close-up of very thin
lateral wings

Figure 2.



Thoracic uncini

Figure 3. (after H&G 1988)



Pygidial papillae
end-on view

Figure 4.