

City Of San Diego Voucher Sheet

Species: *Aricidea (Acmira)* sp SD2

Authority: Barwick, 2006

Common Synonyms:

None known

Taxon: Polychaeta: Paraonidae

Date: April 2006

By: K. Barwick

Voucher Specimen(s):

Station	Date	Depth	Storage Location/#
DS1(0.5mm fraction)	25APR03	508 m	CSD/TBA
DB14	24OCT06	508 m	CSD/TBA

Full Description: (3 incomplete specimens examined)

- Antenna reaching to setiger 4 - 5; slightly clavate with long filiform tip (Fig 1A)
- 17 - 19 pairs of branchiae; start on setiger 4
- Branchiae with broad base, tapering to long filiform tips on posterior branchial setigers; second to last branchia longest, nearly twice the length of the anterior most (Fig 1C & 2)
- Prostomium triangular, rounded terminally, dorsum of prostomium with nuchal slits anterior to lateral eyespots near posterior margin (Fig 1A)
- Postsetal notopodial lobes present from setiger one, start as tuberculate; transition through branchial region to filiform in the postbranchial setigers
- No postsetal neuropodial lobes
- Modified postbranchial neuropodial setae with falcate tip, distally with or without a subterminal arista, some with short hairs at base of arista or along the concave margin of the tip(Fig 1B & 3)
- Pygidium unknown
- Body of two specimens with light speckling of pigment on lateral edge of each parapod, on edges of each branchia and the anterior dorsum of branchial region (Fig 2)

Illustrations: (K. Barwick)

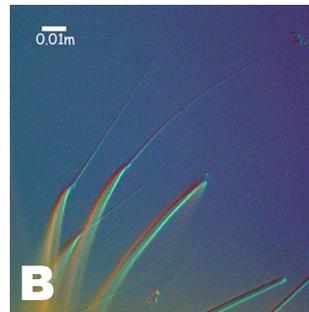


Fig 1 A. Prostomium dorsal view, B. modified postbranchial neurosetae C. Anterior dorsum Scale bar = 1 mm (Specimen from DB14)

additional images on 2nd page

Comments:

The anterior of *A. (A.)* sp SD1 most closely resembles the illustration of the holotype *A. (Acmira) lopezi* in Blake (1996) (Fig. 2.15A). However L. Lovell states that he has seen the type for *A. lopezi* and the actual antenna is much shorter, reaching only to setiger one (personal communication March, 2006). The modified setae can be confused with *A. (Acmira) catherinae* and *A. lopezi*. The actual morphology of the setae is difficult to resolve, exactly. The limited records of *A. (A.)* sp SD2 are from over 500 meters depth and the unique combination of characters warrant erecting this provisional..

Distribution:

Only known from voucher locations (see above). 500+ meters.

Additional Illustrations: (K. Barwick)



Fig. 2 A. Anterior ventrum, B. Anterior dorsum (Specimen from DS1)

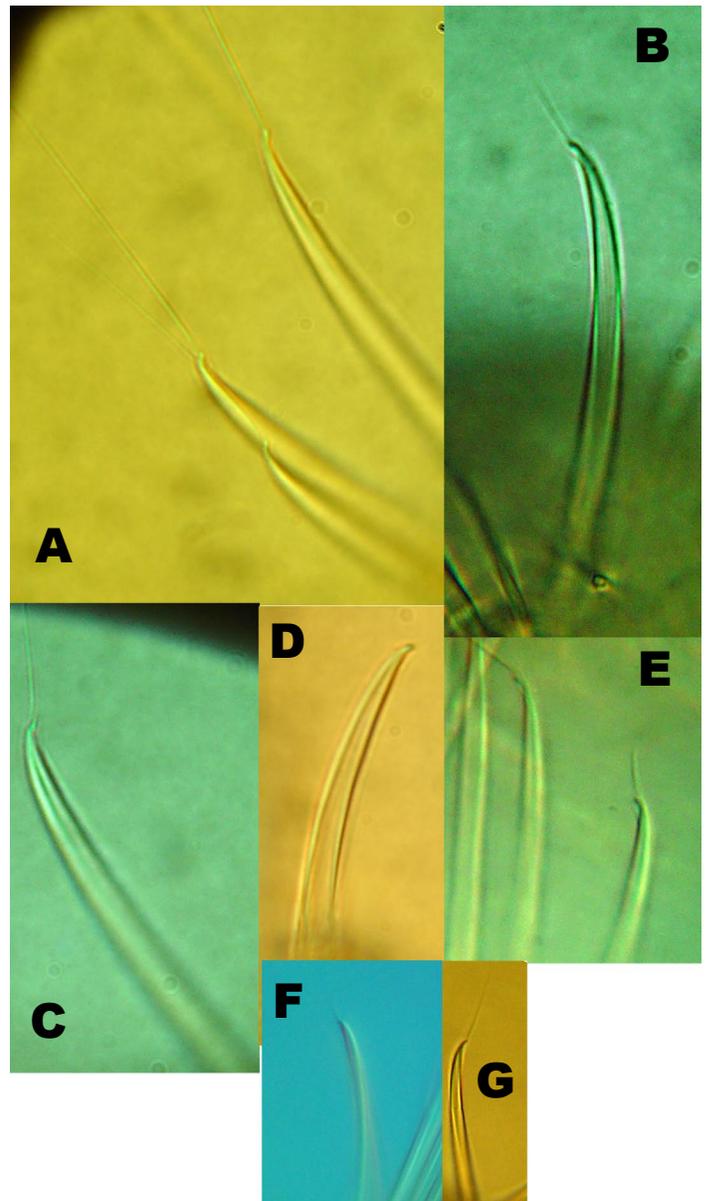


Fig. 3 Modified postbranchial neurosetae 1000x (A,B & E. Station DS1; C,D, F & G Station DB14)

Literature Cited:

Blake, J. A., 1996. Chapter 2. Family Paraonidae Cerruti, 1909. Pp. 27-70 IN: Taxonomic Atlas of the Santa Maria Basin and Western Santa Barbara Channel. J. A. Blake, B. Hilbig and P. H. Scott, (eds). Santa Barbara Museum of Natural History. Vol. 6, The Annelida Part 3. Polychaeta: Orbiniidae to Cossuridae. 418pp.