

City of San Diego Provisional Voucher Sheet

Species: *Aricidea (Aricidea) cf. longobranchiata* **Taxon:** Polychaeta: Paraonidae

Authority: Day, 1961

Date: April 5, 2000

Common Synonyms:

By: K. Barwick

Voucher Specimen(s):

Station

Date

Storage Location/#

ITP I6(1), 86 ft.

23JUL97

DLZ/2028

Full Description: (Based on a single incomplete specimen, adapted from preliminary voucher sheet by R. Rowe, 11/6/97)

1. Median antenna reaches to about setiger 4, tapering at distal end (Fig. 1)
2. A single modified postbranchial neurosetae found on the next-to-last setiger, acicula distally falcate with subdistal hood (Fig. 2)
3. ~28 pairs of branchiae, last few pair are longer with tapering tips (Fig. 1)
4. Postsetal notopodial lobes go from short tubercles in the prebranchial region to digitate with tapering tips in branchial region, then thin and thread like in the postbranchial region becoming shorter in the posterior of this fragment
5. Prostomium with a pair of eyespots.

Illustrations:

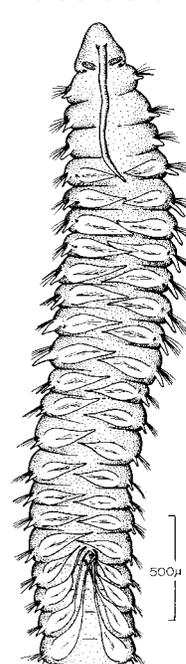


Fig. 1 — Dorsal view of anterior of animal (modified from Blake and Walton, 1977)



Fig. 2 — Modified postbranchial neurosetae, DLZ #2028 (1000X) (K. Barwick)

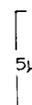


Fig. 3 — Modified postbranchial neurosetae of *A. longobranchiata* sensu strictu (modified from Blake and Walton, 1977)

Comments:

Aricidea longobranchiata Day, 1961 was originally described from South Africa. Blake and Walton (1977) describe something with the same name from the Gulf of Faralones off San Francisco Bay. They noted a couple of small differences from Day's original description. Their northern Californian specimens: had a greater number of branchial pairs (up to 27), eyespots, and "segmental red pigment spots at the base of some anterior branchiae" (Blake and Walton, 1977). The specimen described here further differs from both the South African form and the northern California form in the type of modified postbranchial neurosetae. Day describes *A. longobranchiata* as having acicular setae with "unidentate tips and fine tapered guard or arista arising just below the tips" (Day, 1961). (Fig. 3)

Distribution:

Known only from single incomplete voucher specimen. ITP Station: I6 (86 ft.)

Literature Cited:

- Blake, J. A. & C. P. Walton. 1977. New species and records of Polychaeta from the Gulf of the Faralones, California. In: D. J. Reish and K. Fauchald eds. Essays on the Polychaetous Annelids in Memory of Dr. Olga Hartman. Allan Hancock Foundation Publication, pp. 307-321.
- Day, J. H. 1961. The Polychaet Fauna of South Africa. Part 6. Sedentary species dredged off Cape Coasts with a few new records from the shore. Journal of the Linnean Society of London, Vol. 44(299). pp. 463-560.