

PROVISIONAL SPECIES VOUCHER SHEET**Provisional Name:** *Aonides* sp SD 1**Taxon:** Spionidae**Taxonomist:** K. Langan**Authority:****Date:** 14May2002**Common Synonyms:****Specimen(s):** STATION DATE DEPTH STORAGE LOCATION VIAL#

B98: 2514 7/23/98 57m P-127

B98: 2081 7/24/98 50m P-127

See Related Species and Comments below.

Characters: Based on examination of 33 specimens from City of San Diego, Los Angeles County Sanitation Districts, and City of Los Angeles (Hyperion).

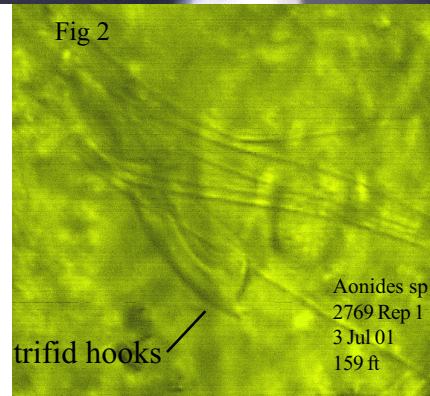
1. Occipital antenna present.
2. Prostomium rounded bluntly (Fig 1).
3. Branchiae start on setiger 2; 6-12 pairs, most specimens with 7 pairs (Fig 1).
4. Both bidentate and tridentate hooded hooks present (tridentate hooks are most common in posterior setigers) (Fig 2).
5. Neuropodial hooded hooks from setiger 11-34.
6. Notopodial hooded hooks from setiger 12-34 (Neuropodial hooded hooks usually start anterior to notopodial hooded hooks).
7. Pygidium with 4-8 anal cirri.
8. Methyl green staining pattern: Twenty-seven of the 33 specimens examined have thin, light staining bands on postbranchial setigers. Thirteen of the 33 specimens examined had light to moderate stain on the tip of the prostomium. (There was no correlation between stain pattern and collection location).

Illustrations:

Fig 1



Fig 2



Images by S. Douglass 5/02

Related Species:

- *A. glandulosa* Blake 1996. Hooded hooks bidentate. No occipital antenna. 8-11 pairs of branchiae, starting on 2. Bidentate hooded hooks from setigers 30-39 in neuropodia and from setigers 34-41 in notopodia.
- *A. mayaguezensis* Foster 1969. 15 to 16 pairs of branchiae. Bidentate hooded hooks from setigers 19 to 23 in neuropodia and from setigers 21 to 24 in notopodia. With 4 pygidial cirri.
- *A. paucibranchiata* Southern 1914. Hooded hooks tridentate. 10-11 pairs of branchiae.
- *A. californiensis* (Rioja 1947). Hooded hooks bidentate. 13-14 pairs of branchiae.
- *A. oxycephala* (Sars 1862). Hooded hooks bidentate. 20-30 pairs of branchiae.

References:

- Blake, J.A. 1996. Family Spionidae *In*: Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. Volume 6 The Annelida Part 3- Orbiniidae to Cossuridae. Pp 81-224.
- Blake, J.A. and J.D. Kudenov. 1978. The Spionidae (Polychaeta) from southeastern Australia and adjacent areas, with a revision of the genera. *Memoirs of the National Museum of Victoria* 39:171-280.

Diagnosis: All specimens examined have trifid hooded hooks which are most common in the posterior of the animal.
Branchiae start on setiger 2 on all specimens examined. Occipital antenna present

		pairs of branchiae	notopodial hooded hooks start	neuropodial hooded hooks start	no. of pygidial cirri	methyl green stain pattern	length of first 10 setigers (mm)	
CSD: P-127 Bight '98 Sta.2514 7/23/98, 57 m KLC	spm 1	7	29	27	5	tip of prostomium; post-branchial lateral stripes for approx. 10 segments	0.86	
	spm 2	9	34	34	5	tip of prostomium; post-branchial lateral stripes for approx. 10 segments	no data	
	spm 3	7	30	29	5	tip of prostomium; post-branchial lateral stripes for approx. 10 segments	1.12	
	spm 4	9	30	27	5	tip of prostomium; post-branchial lateral stripes for approx. 10 segments	1.14	
	spm 5	7	28	26	5	tip of prostomium; post-branchial lateral stripes for approx. 10 segments	0.88	
	spm 6	7	29	28	incomplete	tip of prostomium; post-branchial lateral stripes for approx. 10 segments	0.98	
CSD: P-127 Bight '98 Sta. 2081 7/24/98, 50m KLC	spm 1	10	20	21	incomplete	few speckles on body	1.48	
	spm 2	12	17	17	incomplete	few speckles on body	1.76	
	spm 3	11	16	?	incomplete	few speckles on body	1.44	
	spm 4	9	14	14	incomplete	few speckles on body	1.02	
	spm 5	10	12	12	incomplete	few speckles on body	0.98	
	spm 6	8	12	12	incomplete	few speckles on body	1.28	
	spm 7	8	12	11	incomplete	few speckles on body	0.82	
	spm 8	8	incomplete	incomplete	incomplete	few speckles on body	1.1	
	spm 9	8	incomplete	incomplete	incomplete	few speckles on body	0.86	
	spm 10	7	incomplete	incomplete	incomplete	few speckles on body	0.92	
CSD: 127, 2769 (1) 7/3/01, 159 ft KB	P- Sta	spm 1	11	19	16	incomplete	few speckles on prostomium; few speckles on body	1

		pairs of branchiae	notopodial hooded hooks start	neuropodial hooded hooks start	no. of pygidial cirri	methyl green stain pattern
Hyperion: #255 Sta. DN8 SMB 24m, 5/4/81 CAP	spm 1	7	21	18	5	post-branchial bands
	spm 2	6	28	27	incomplete	specking on prostomium; post-branchial bands
Hyperion: #455 Sta. A3 SMB 16m, 1/25/95 CAP	spm 1	7	28	21	4	stain on prostomium; post-branchial bands
	spm 2	7	26	21	N/A	post-branchial bands
	spm 3	7	24	21	N/A	post-branchial bands
Hyperion: #257 Sta. 2540 Santa Cruz Island 7/23/98, 24 m CAP	spm 1	7	25	19	5	moderate stain on prostomium; post-branchial bands
	spm 2	8	25	21	5	moderate stain on prostomium; post-branchial bands
	spm 3	7	22	22	5	post-branchial bands
	spm 4	6	23	21	5	post-branchial bands
Hyperion: #533 Sta. A1 SMB 17m, 1/5/98	spm 1	7	28	21	5	light stain on prostomium; post-branchial bands
	spm 2	7	25	19	regenerating	light stain on prostomium; post-branchial bands
	spm 3	7	24	22	regenerating	post-branchial bands
LA Co. San. Dist.: Bight '98 2393 LA 3 CB	spm 1	7	22	22	incomplete	none
	spm 2	7	?	22	incomplete	none

		pairs of branchiae	notopodial hooded hooks start	neuropodial hooded hooks start	no. of pygidial cirri	methyl green stain pattern
LA Co. San. Dist.: Bight '98 2490 LA 1 CB	spm 1	7	32	30	5	light stain on prostomium; post-branchial bands
	spm 2	7	26	24	5	light stain on prostomium; post-branchial bands
	spm 3	7	31	26	incomplete	light stain on prostomium; post-branchial bands
	spm 4	7	30	26	incomplete	light stain on prostomium; post-branchial bands
	spm 5	8	incomplete	incomplete	incomplete	light stain on prostomium; post-branchial bands
	spm 6	7	33	29	incomplete	light stain on prostomium; post-branchial bands
	spm 7	7	incomplete	26	incomplete	light stain on prostomium; post-branchial bands
	spm 8	8	31	25	incomplete	light stain on prostomium; post-branchial bands
LA Co. San Dist.: 2393 LA 7 CB	spm 1	6	30	24	5	moderate speckling on post-branchial setigers
	spm 2	6	23	19	incomplete	moderate speckling on post-branchial setigers
	spm 3	6	23	20	incomplete	moderate speckling on post-branchial setigers
	spm 4	6	24	21	incomplete	moderate speckling on post-branchial setigers
	spm 5	7	23	21	incomplete	moderate speckling on post-branchial setigers
LA Co. San. Dist. 2491 LA 1 CB	spm 1	2	16	16	incomplete	tip of prostomium; post-branchial light speckling
LA Co. San. Dist. 0798-2D	spm 1	8	21	19	5	none
	spm 2	10	19	19	incomplete	none
	spm 3	8	22	17	incomplete	none
	spm 4	7	25	23	incomplete	none
	spm 5	7	incomplete	22	incomplete	none

Total= 50 spms

* Many branchiae missing on this spm. The only branchiae present are on the right side of setigers 3 & 4.