Remarks on the Family Bodotriidae

The bodotriids are a diverse family of 29 genera worldwide divided into three subfamilies. One of these, the Mancocuminae with three genera, has not been reported from the Pacific. The Bodotriinae, with eleven genera worldwide, is represented in the North Pacific by five genera but only by Cyclaspis and Cyclaspoides in the Northeast Pacific. The Vaunthompsoniinae, with 15 genera worldwide, is represented by four genera in the Northeast Pacific.

The subfamilies are separated on the basis of the number of pereiopods with exopods, and by the number of pleopods in the male.

1. Exopods on only the first pair of pereiopods.....Bodotriinae
   Exopods on two or more pairs of pereiopods.....2

2. Male with five pairs of pleopods.....Vaunthompsoniinae
   Male with <five pairs of pleopods.....Mancocuminae

Along the west coast of North America the bodotriid fauna consists of 13 species at present, with an additional six known from the Gulf of California in the Panamic province. Only four of these species are described. Preliminary descriptions of three other species were provided by Given in his 1970 Thesis, but formal description is still pending. The known fauna is as follows:

BODOTRIINAE

Cyclaspis sp. A of SCAMIT
Cyclaspis sp. B of SCAMIT
Cyclaspis sp. C of SCAMIT
Cyclaspis sp. D of MBC
Cyclaspis nubila Zimmer 1936
Cyclaspoides sp. A of Cadien

VAUNTHOMPSONIINAE

Bathycuma longicaudata Calman 1912
Glyphocuma sp. A of SCAMIT
Leptocuma forsmani Zimmer 1941
Vaunthompsonia sp. A of Diener
Vaunthompsonia sp. B of Cadien
Vaunthompsonia sp. C of Diener
Vaunthompsonia pacifica Zimmer 1943

BODOTRIIDAE

(updated as of 8 May 1989)

Bathycuma longicaudata	Calman l9l2
Cyclaspis sp. A	SCAMIT (1986)
= Cyclaspis a sp. n. of Given 1970	
= Cyclaspis sp. A of Myers and Benedict 1975	
= Cyclaspis sp. A of Diener	
Cyclaspis sp. B	SCAMIT (1989)
= Cyclaspis b sp. n. of Given 1970	
= Cyclaspis sp. B of Myers and Benedict 1975	
Cyclaspis sp. C	SCAMIT (1986)
= Cyclaspis c sp. n. of Given 1970	
= Cyclaspis sp. C of Myers and Benedict 1975	
Cyclaspis sp. D	SCAMIT (1989)
= Cyclaspis sp. D of MBC	
Cyclaspis nubila	Zimmer l936
Cyclaspoides sp. A	(of Cadien)
Glyphocuma sp. A	SCAMIT (1989)
= Leptocuma sp. A of Phillips	
= Glyphocuma sp. A of Phillips	
= Vaunthompsonia sp. B of Given 1970	
Leptocuma forsmani	Zimmer l94l
Vaunthompsonia pacifica	Zimmer 1943
= Vaunthompsonia sp. A of Given 1970	
Vaunthompsonia sp. A	(of Diener)
Vaunthompsonia sp. B	(of Cadien)
Vaunthompsonia sp. C	(of Diener)

Taxa from the Gulf of California and Southern Baja California

[Cyclaspis b	Donath 1985]
[Cyclaspis c	Donath 1985]
[Cyclaspis d sp. n.	Donath 1985]
[Cyclaspis e n. sp.	Donath 1985]
[Cyclaspis f n. sp.	Donath 1985]
[Cyclaspis g n. sp.	Donath 1985]

These 13 species can be separated by use of the following key:

1. Exopods on only the first pair of pereiopods.....2
   Exopods on more than one pair of pereiopods.....7
2. First three pedigerous segments fused with carapace.....
   .....**Cyclaspoides sp. A**
   All five pedigerous segments free.....3
3. Carapace with one or more teeth on the midline.....**Cyclaspis sp. A**
   Carapace lacking teeth on the midline.....4
4. Antennal sinus absent, both margins of uropodal peduncle setate in female.....**Cyclaspis sp. D**
   Antennal sinus evident, peduncle of uropods lacking setae along both margins in female (but inner margin may be serrate).....5
5. Carapace strongly pitted and sculptured, with depression anterio-dorsally in both sexes.....6
   Carapace nearly smooth, with scattered small pits only, without depressed areas in either sex.....**Cyclaspis sp. B**
6. Carapace with trough-like depression extending obliquely back from the antennal sinus in both sexes.....**Cyclaspis sp. C**
   Carapace lacking trough-like depression behind the antennal sinus in both sexes.....**Cyclaspis nubila** Zimmer 1936
7. Carapace lacking teeth or denticles dorsally; lateral margins of 3rd (female) or 4th (male) abdominal segment overlapping those of adjacent segments..... **Leptocuma forsmani** Zimmer 1943
   Carapace with teeth or denticles dorsally; lateral margins of 3rd or 4th abdominal segment not overlapping those of adjacent segments....8
8. Pleonal segments ridged laterally, lacking eyes or pigmented ocular material.....**Bathycuma longicaudata** Calman 1912
   Pleonal segments not ridged laterally; with eyes.....9
9. Dorsal teeth or denticles in two parallel rows flanking the midline of the carapace.....10
   Dorsal teeth in a single row along midline.....**Glyphocuma sp. A**
10. Dorsal tooth rows running the full length of the carapace.....
   .....**Vaunthompsonia pacifica** Zimmer 1943
   Dorsal tooth rows restricted to the anterior half of the carapace.....11
11. .....**Vaunthompsonia sp. A***
   .....**Vaunthompsonia sp. B***
   .....**Vaunthompsonia sp. C***

*These three taxa cannot be adequately separated yet