

# KEY TO THE BODOTRIIDAE OF CALIFORNIA

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1. Exopods on only the first pair of pereopods ..... 2  
Exopods on more than one pair of pereopods ..... 10
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 setose 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 smooth, without pits, surface ornament, or depressed areas in either sex  
..... *Cyclaspis* sp B  
Carapace strongly pitted & sculptured, with depression anteriodorsally in both sexes .. 6
6. Carapace bearing lateral ridge(s) extending from mid-dorsal carina towards the base of  
the carapace ..... 7  
Carapace lacking lateral ridge(s) extending down from the mid-dorsal carina ..... 9
7. Carapace bearing a single lateral ridge extending from the dorsal carina about 2/3 the distance  
to the carapace base which forms the posterior boundary of a complex anterior-dorsal  
sinus ..... *Cyclaspis* sp G♂  
Carapace bearing two or more lateral ridges ..... 8
8. Mid-dorsal carina very strong on anterior half of carapace, weak on posterior half; two strong  
lateral ridges; carapace with stellate purple pigment spots ..... *Cyclaspis* sp F ♂  
Mid-dorsal carina moderately strong it's entire length; 3 delicate lateral ridges on carapace;  
only a few indistinct non-stellate pigment spots posteriodorsally on carapace, .....  
..... *Cyclaspis* sp E ♀
9. Carapace with smooth trough-like depression extending obliquely back from the antennal sinus  
in both sexes ..... *Cyclaspis* sp C  
Carapace lacking smooth trough-like depression behind the antennal sinus in both sexes, but

- with anteriodorsal depression behind eyelobe ..... *Cyclaspis* "nubila" complex
10. Carapace lacking teeth or denticles dorsally ..... 11  
 Carapace with teeth or denticles dorsally ..... 12
11. Lateral margins of 3rd (♀) or 4th (♂) abdominal segment overlapping those of adjacent .. segments ..... *Leptocuma forsmanni*  
 Lateral margins of 3rd or 4th abdominal segment not overlapping those of adjacent segments ..... *Glyphocuma* sp A (♂♂)
12. Pleonal segments ridged laterally ..... *Bathycuma longicaudata*  
 Pleonal segments not ridged laterally ..... 13
13. Dorsal teeth or denticles in two parallel rows flanking the midline of the carapace .... 14  
 Dorsal teeth in a single row along midline ..... *Glyphocuma* sp A (♀ and juv♂)
14. Dorsal tooth rows running the full length of the carapace ..... *Vaunthompsonia pacifica*  
 Dorsal tooth rows restricted to the anterior half of the carapace ... *Vaunthompsonia* sp A

Additional E.P. Psodotriids

- Cyclops* sp H nubila-like from Bahia Kino ♂
- Cyclops* sp I verticillate posterior of carapace Bahia Kino ♂
- Leptocuma* cf. *forsmanni* slope head Bahia Kino (~~sp. I~~) ♂
- ~~*Cyclops* sp J~~
- Cyclops* sp K bituberculate big Bahia Kino ♂ may be bituberculate of D-H
- Cyclops* sp L sp 3 of Donath Hernandez Bahia Kino ♂♀
- Cyclops* sp M dorsal teeth, short abdomen ♂♀ Bahia Kino (see sp A) cl
- Cyclops* sp N craggy bituberculate small Bahia Kino ♀
- Cyclops* sp O small posterior tubercle ♀ Bahia Kino

*Cyclops* *conceptionis* Donath-Hernandez ♂♀