

KEY TO THE CALIFORNIA CUMACEA, DOUGLAS DIENER

KEY TO GENERA OF CUMACEA  
FEMALES AND IMMATURE MALES

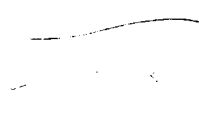
5. Carapace with a single median spine row - Cyphocuma  
Carapace without a spine row - C

- 1. No telson (some telsons are small) Figure 1.....2  
Telson present but may be small Figure 1.....11
- 2. Double row of spines or spinules on mid-dorsal carapace, spines reduced on small specimens, ~~P4 without exopod~~.....3  
Carapace without double row of spines (single row may be present)...4
- 3. Pigmented eye.....Vaunthompsonia  
No pigmented eye, P1 to P3 with exopodites (known from 1 individual Calman, 1912).....Bathycuma
- 4. Exopodites only on first pair of legs.....Cyclaspis  
Exopodites on more than the first pair of legs.....5
- 5. Exopodites only on the first <sup>two</sup> pair of legs (Note, exopodites on P1 and P2 for females and on P1 to P4 for males); carapace subtriangular in lateral view Figure 2.....6  
Exopodites on the first three pairs of legs; carapace not subtriangular.....8
- 7. Carapace bulbous and extending back over free thoracic segments; eye poorly developed Figure 2.....7  
Carapace not so; eye well developed Figure 2.....Cumella
- 8. Mxp 2 not strongly toothed forming a rake; Art. 2 of P1 short, 20% or less of art. 1; Figure 3.....Campylaspis  
Mxp 2 strongly toothed forming a rake; Art. 2 of P1 long, 40% of art. 1; Figure 3.....Procampylaspis
- 9. Carapace truncate anteriorally, with anteroventral projection Figure 2.....9  
Carapace not truncate anteriorly Figure 2.....10
- 10. Uropods with exopodite longer than endopodite; pseudorostrum prominent and nearly vertical Figure 2.....Eudoreilopsis  
Uropods with endopodite longer than exopodite; pseudorostrum not evident Figure 2.....Eudorella

Bump 1

10. Eye present; 4 thoracic segments visible (1st segment not visible, 3rd segment overlaps adjacent segments) P4 with small exopod? P2 with distal brush of setae on propodus and dactylus but no spines Figure 3.....Leptocuma
- Eye absent; 5 free thoracic segments with the 3rd segment normal P2 with the spines and setae Figure 3.....Leucon
11. Telson with less than three terminal spines Figure 1....12
- Telson with three or more terminal spines Figure 1.....18
12. Telson with two terminal spines posteriorly directed Figure 1.....13
- Telson with no terminal spines or two very small ventrally directed spines Figure 1.....16
13. Third and fourth thoracic somites markedly elongate, together about one-half the length of the carapace; P2 and P3 separated.....Diastylopsis
- Thoracic somites not markedly elongate.....14
14. Telson short and somewhat bulbous; antennule poorly developed, Exopodites ~~and on~~ P3 and P4 rudimentary Figure 1.....Leptostylis
- Telson medium to long, tapered distally with numerous lateral spines, basal portion may be cylindrical.....15
15. Telson tapered; posterior anal portion of telson long; numerous lateral spines; antennules and exopodites on P3 and P4 well developed.....Diastylis
- Telson elongate; basal portion cylindrical and much longer than the posterior anal portion; carapace denticulate; eye wanting; rare.....Makrokyllindrus
16. Telson short.....17
- Telson long, tapering to an acute and slightly upturned point.....Oxyurostylis
17. Two very small ventrally directed spines on telson; endopod of uropod with 2 or 3 segments.....Anchicolourus
- No apical spines; endopod of uropod with only 1 segment; 1 or 2 pairs of rudimentary pleopods (known from 1 individual Baker 1912).....Pseudocuma
18. Eye wanting; carapace depressed and broad, RARE.....Paralamprops
- Eye present, carapace not as above.....19

- 19. Carapace with "cephalic shield" Figure 2.....20
  - Carapace without "cephalic shield" .....21
- 20. Telson with 5 terminal spines, 3 major, 2 minor, and 3 to 4 pairs of lateral spines (occasionally 2 to 5).....
  - .....Hemilamprops californica
  - Telson as above, 4 to 5 pairs of lateral spines (occasionally 3 to 6).....Mesolamprops dillonensis
- 21. No lateral telsonic paired spines....Lamprops carinata
  - L. tomalesi
  - L. sp. C vestinal male
  - L. sp. ? Gladfelter
  - L. sp. B
  - With lateral telsonic paired spines.....22
- 22. Two pairs of lateral telsonic spines; no oblique carapace ridges Figure 1.....Mesolamprops bispinosa
  - Two to three pairs of lateral telsonic spines with 3 or 4 oblique carapace ridges.....Lamprops quadriplicata



Santa Lucia Island  
 Telson of Mesolamprops  
 with 2 pairs of lateral spines - very long

Telson of Lamprops  
 with 3 pairs of lateral spines