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 (occassionally 2 to 5).....
.....Hemilamprops californica

Telson as above, 4 to 5 pairs of lateral spines (occassionally 3 to 6).....Mesolamprops dillonensis

21. No lateral telsonic paired spines....Lamprops carinata
L. tomalesi
L. sp. C vestigal 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 obilique carapace ridges.....Lamprops quadriplicata

KEY TO GENERA OF CUMACEA II
ADULT AND SUB-ADULT MALES

1. No telson (some telsons are small) Figure 1.....2

Telson present.....11

2. No pleopods.....3

Pleopods present.....5

3. Carapace bulbous and extending back over free thoracic segments: eye poorly developed or if well developed occurring as a single ocular group Figure 2.....4

Carapace not as above; eye or median ocular group well developed; generally small species .....Cumella

4. 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; eye wanting .....Procampylaspis

5. Two pairs of pleopods.....6

More than two pairs of pleopods (5 pair of pleopods).....8

6. Carapace truncate anteriorally, Figure 2.....7

Carapace not truncate anteriorly.....Leucon

7. Uropods with exopodite longer than endopodite..Eudorellopsis

Uropods with endopodite longer than exopodite .....Eudorella

8. Exopodites only on first pair of legs.....Cyclaspis

Exopodites on at least the first two pairs of legs.....9

9. 4 thoracic segments visible (1st segment not visible, 3rd segment overlaps adjacent segments), P2 with distal brush of setae on porpodus and dactylus but no spines Figure 3.....Leptocuma

5 thoracic segments free and visible, P2 without distal brush of setae on terminal joints, but with spines on at least dactylus.....10

10. Eye well developed.....Vaunthompsonia

Eye not well developed (known from 1 individual Calman, 1912).....Bathycuma

KEY TO THE CALIFORNIA CUMACEA, DOUGLAS DIENER

KEY TO GENERA OF CUMACEA
FEMALES AND INMATURE MALES

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.....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 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

   Expodites on the first three pairs of legs; carapace not subtriangular.....8

6. Carapace bulbous and extending back over free thoracic segments; eye poorly developed Figure 2.....7

   Carapace not so; eye well developed Figure 2.....Cumella

7. 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

8. Carapace truncate anteriorally, with anteroventral projection Figure 2.....9

   Carapace not truncate anteriorly Figure 2.....10

9. Uropods with exopodite longer than endopodite; pseudorostrum prominent and nearly vertical Figure 2.....Eudorellopsis

   Uropods with endopodite longer than exopodite; pseudorostrum not evident Figure 2.....Eudorella

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 setea 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 seperated.....Diastylopsis

    Thoracic somites not markedly elogate.....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; basil portion cylindrical and much longer than the posterior anal portion; carapace denticulate; eye wanting; rare.....Makrokylindrus

16. Telson short.....17

    Telson long, tapering to an acute and slightly upturned point..(figure 1).....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