

= dentate gills

Key to *Ampelisca* of the Northeast Pacific Region

- 1. Pleon sideplate 3 with an ^{more small} acute tooth on lower posterior corner.....2
- Pleon sideplate 3 without an acute tooth on lower posterior corner.....21
- 2. Uropod 1 not reaching beyond mid portion of rami of uropod 2;
 Segment 5 of pereopod 7 with notch in anterior margin.....3
- Uropod 1 reaching end of uropod 27
- 3. Dorsal carina of urosomite 1 saddle-shaped; ^(margin not distinct) posterior lobe of
 segment 4 of pereopod 7 broad, extending 3/4 length of segment 5;
 dorsal surface of telson with long spines.....4
- Dorsal carina of urosomite 1 not saddle-shaped; posterior lobe of
 segment 4 of pereopod 7 slender, extending less than 1/2 length of
 segment 5; dorsal surface of telson with short spines.....5
- 4. Pleon sideplate 3, lower posterior corner bearing a medium-sized
 tooth; uropod 1 reaching just beyond end of peduncle of uropod 2;
 articles of pereopod 7 slender, article 6 twice as long as wide;
 lower anterior edge of head not excavated.....*pugetica*
- Pleon sideplate 3, lower posterior corner bearing a small tooth;
 uropod 1 reaching about mid-portion of rami of uropod 2; articles
 of pereopod 7 wide, article 6 about 1.5 times as long as wide;
 lower anterior edge of head excavated.....*indentata*
- 5. Lower posterior angle of coxae 1 and 2 with a tooth.....6
- Lower posterior angle of coxae 1 & 2 without a tooth.....*coeca*
- 6. Antennae 2 about 1/2 body length.....*eschrichti*
- Antenna 2 about as long as body.....*boa*
- 7. Uropod 2 lacking subapical spine on outer ramus.....8
- Uropod 2 with long subapical spine on outer ramus.....12
- 8. Coxae 1 and 2, lower posterior corner with a tooth or slit.....9
- Coxae 1 and 2, lower posterior corner without tooth. *slit*.....11
- 9. Pleon sideplate 3 with a medium-size acute tooth; telson with
 2 pairs of spines along cleft; urosomite 1 weakly produced dorsally
 into a saddle-shaped carina.....10
- Pleon sideplate 3 with a small tooth; telson with 5 (3-5?) pairs
 of stout spines along cleft; urosomite 1 slightly raised dorsally,
 concave, with posterior edge rounded.....*shoemakeri*
- 10. Coxae 1 and 2, lower posterior corner with a tooth; pleon
 sideplate 3, posterior margin nearby straight.....*hancocki sensu Dickinson*
- Coxal 1 and 2, lower posterior corner with a slit; pleon
 sideplate 3, posterior margin curving into postero-
 ventral tooth.....*hancocki sensu Barnard*

11. Head with lower front edge nearly vertical; corneal lenses absent..... *amblyopsoides*
- Head with lower front edge oblique, corneal lenses present..... nr. *hancocki* of MBC
12. Segment 5 of pereopod 7 with notch in anterior margin..... *panamensis*
- Segment 5 of pereopod 7 without notch in anterior margin..... 13
- * 13. Pleon sideplate 2 with a tooth on lower posterior corner (may be almost indistinguishable on small specimens)..... 14
- Pleon sideplate 2 without a tooth on lower posterior corner..... 17
14. Pleon sideplate 3 produced into a large process above tooth (may not be large on small specimens); telson, apex of each lobe narrow, lacking large notch..... *brevissimulata*
- Pleon sideplate 3 weakly convex, lacking large process above tooth; telson lobe, apex with large notch;..... 15
15. Urosomite 1, dorsal crest strongly incised..... *crisoides*
- Urosomite 1, dorsal crest not incised..... 16
16. Pleon segment 3, lower posterior corner with a medium tooth..... *crisata*
notch in pl Ep 2
sensu Dickinson
- Pleon segment 3, lower posterior corner with a small tooth..... *crisata* forma *microdentata*
17. Dorsal surface of telson with short blunt spines concentrated in a central row..... *macrocephala*
- Dorsal surface of telson with long slender spines scattered randomly over lobes, or with setae..... 18
18. Lower front margin of head concave..... 19
- Lower front margin of head straight or convex..... *crisata* forma *microdentata*
19. Rami of uropod 3 slender, lanceolate and foliaceous, ~~anterior of head domed~~ *careys*
inspecimen of *A. crisata* have small tooth on Ep. 2 → ~~head not domed; very elongate~~ *crisata*
- Rami of uropod 3 inflated, outer ramus broader than inner, apex almost rounded..... *pacifica*
20. Uropod 2, inner ramus without long subapical spine; article 5 of peraeopod 7 subequal to article 4..... *unsocatae*
- Uropod 2, both rami with subapical spines; article 5 of peraeopod 7 reduced, covered by large lobe of article 4..... *mexicana*
21. Basal lobe of peraeopod 7 short, only reaching end of segment 3..... 22
- Basal lobe of peraeopod 7 extending beyond segment 3.....

- 22. Antenna 1 short, not extending beyond peduncle of antenna 2; outer ramus of uropod 2 with a subapical spine.....23
- Antenna 1 long, extending beyond peduncle of antenna 2; outer ramus of uropod 2 lacking a subapical spine.....24
- 23. Basal lobe of peraeopod 7, lower posterior margin strongly oblique; eyes present.....*birulai*
- Basal lobe of peraeopod 7, lower posterior margin weakly oblique; eyes absent.....*plumosa*
- 24. Segment 3 of peraeopod 7 longer than segment 4; lower posterior corner of pleon segment 3 with a small tooth.....*milleri*
Point or rounded projection
- Segment 3 of peraeopod 7 subequal to segment 4; lower posterior corner of pleon segment 3 rounded.....*hessleri*
- 25. Urosomite 1 produced dorsally into a well-developed carina or massive hood.....26
- Urosomite 1 not produced dorsally, posterior edge even with urosomite 2.....31
lobata maybe produced
- 26. Urosomite 1 produced into a carina.....27
- Urosomite 1 produced into a massive hood.....28
- 27. Uropod 1 stout, not reaching end of uropod 2.....*furcigera*
- Uropod 1 reaching end of uropod 2.....*venetiensis*
- 28. Uropod 3 rami slender, apex of inner ramus uncinata.....*ramigi*
- Uropod 3 lanceolate, inner ramus not uncinata, tapering to a point.....29
- 29. Urosomite 1 raised to a pointed hood.....30
- Urosomite 1 raised to a nearly cristate hump.....*cucullata*
UL IR 3/4 OR
Urosomite 1 raised to a smooth rounded hood..... lobata
- 30. Uropod 1 rami equal in length.....*agassizi*
- Uropod 1 inner ramus half as long as outer ramus.....*sp. A*
brachylobata
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- 31. Segment 5 of peraeopod 7 lacking spine-bearing notch on anterior margin; outer ramus of uropod 1 spinulose on inner margin; inner margin of inner ramus of uropod 3 with six spine-bearing serrations.....*lobata*
- Segment 5 of peraeopod 7 with spine bearing notch on anterior margin; outer ramus of uropod 1 unarmed on inner margin; inner margin of inner ramus of uropod 3 lacking spine-bearing serrations.....32
- 32. Uropod 3, inner ramus distinctly longer than outer ramus, inner margin of inner ramus bearing a series of large teeth.....*schellenbergi*
- Uropod 3, inner ramus subequal to outer ramus, inner margin of inner ramus microdentate only*fageri*

all complete 1

