

LYSIANASSIDAE FROM POINT LOMA¹

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1. Gnathopod 1 chelate 2
 Gnathopod 1 subchelate or simple 4
- 2.(1) Gnathopod 1 dactyl-palmar closure with gape (Fig. 1)²
 Opisa tridentata Hurley, 1963
 Gnathopod 1 dactyl-palmar closure without gape (Fig. 2A)
 3
- 3.(2) Ventral margin of propodus of gnathopod 1 straight
 (Fig. 2A); epimeron 3 square (Fig. 3B).
 Pachynus barnardi Hurley, 1963
 Ventral margin of propodus curved downwards at the distal
 tip (Fig. 3A); epimeron 3 rounded (Fig. 2B).
 Prachynella lodo Barnard, 1964
- 4.(1) Gnathopod 2 dactyl absent (Figs. 4A & 4B); mouthparts
 protrude below ventral margin of coxae forming a point
 (Fig 4C) Acidostoma hancocki Hurley, 1963
 Gnathopod 2 dactyl present; mouthparts do not protrude
 below ventral margin of coxae 5
- 5.(4) Antenna 1 peduncle carinate; body carinate along dorsal
 margin of body (Fig. 5).
 Lepidepecreum sp. A SCAMIT, 1985
 Antenna 1 peduncle and body not carinate 6
- 6.(5) Gnathopod 1 simple, propodus tapering distally (Fig. 6B)
Aruga 7
 Gnathopod 1 subchelate, propodus not tapering (Fig. 8)
 8

¹ Adapted from Benedict, 1976.

² All figures are in the pictoral key.

- 7.(6) Epimeron 3 lower posterior margin quadrate (Fig. 7). Aruga oculata Holmes, 1908
 Epimeron 3 lower posterior margin sinuous (Fig. 6A). Aruga holmesi Barnard, 1955
- 8.(6) Gnathopod 1 dactyl short, approximately 1/4 length of propodus (Fig. 9C) 9
 Gnathopod 1 dactyl long, 1/3 length of propodus or greater (Fig. 8) Hippomedon spp.
- 9.(8) Pereopods 1,2,& 3 with a distally hooked spine on anterior edge of propodus (Figs. 9A & 9B). Anonyx carinatus (Holmes, 1908)
 Pereopods without hooked spines 10
- 10.(9) Gnathopod 1 large, strongly subchelate (Fig. 10B, 10C, & 10D); epimeron 3 serrated (Fig. 10A) Rimakoroga rima (Barnard, 1964)
 Gnathopod 1 small, weakly subchelate (Fig. 11B) Orchomene 11
- 11.(10) Epimeron 3 with hook on lower posterior corner (Fig. 11A). Orchomene decipiens (Hurley, 1963)
 Epimeron 3 without hook 12
- 12.(11) Article 5 of pereopods 6 & 7 elongated (Figs. 12A & 12B); flagellum of antenna 1 with 11-14 articles (Fig. 12C) Orchomene limodes Meador & Present, 1985
 Article 5 of pereopods 6 & 7 not elongated (Fig. 13B, 13C, & 14A); flagellum of antenna 1 with less than 11 articles (Fig. 14B) 13
- 13.(12) Coxae 5 & 6 with lobe on lower posterior corner (Fig. 13) Orchomene pinguis (Boeck, 1861)
 Coxae 5 & 6 without lobe on lower posterior corner (Fig. 14). Orchomene anaquela Barnard, 1964

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