

Metopella aporpis, new species
Figs. 12, 13

DIAGNOSIS OF MALE: Articles of antenna 1 not produced; article 6 of gnathopod 1 shorter than article 5, simple, its edges parallel, its posterior edge with 4-5 long setae; article 7 of gnathopod 1 half as long as article 6, with 3-4 setae on posterior edge; palm of gnathopod 2 oblique, formed of a shallow quadrate excavation bounded on both sides by a long, sharp tooth, the posterior one forming the defining tooth, the anterior tooth being an extension from a minutely toothed process near the finger hinge; gnathopod 2 with article 7 nearly reaching end of palm, its article 4 forming a medial translucent lobe projecting anteriorly and appressed to the side of article 5, the anterior edge of article 5 with rows of minute denticles; peraeopod 1 much longer than peraeopod 2 and poorly spinose, peraeopod 2 having numerous stout posterior spines on article 5 and 6; telson with 2 lateral spines on each side near base.

Mandibular palp long, apparently biarticulate; first maxillary palp uniarticulate.

FEMALE: Gnathopod 2 with palm oblique, irregularly toothed, with one large medial tooth and a large defining tooth, the finger failing to reach end of palm; telson with 4 spines on each side near base.

HOLOTYPE: AHF No. 5729, male, 2.4 mm.

TYPE LOCALITY: Station 4834, near Pt. Mugu, 34-00-20 N, 119-01-45 W, 77 fms, rock bottom, February 6, 1957.

RELATIONSHIP: This species is closely related to *Metopella pacifica* (Holmes 1908), from Monterey, California, but differs by the simple, not subchelate, first gnathopod. The resemblance of second gnathopods is amazing, and one wonders if the configuration of gnathopod 1 as drawn for *M. pacifica* were correct.

The new species differs from *M. buynitzkii* Gurjanova (see 1951), *M. macrochira* Gurjanova (see 1951) and *M. carinata* (Hansen) (Gurjanova 1951) by the elongated fifth article of gnathopod 1 and by the quite different configuration of male gnathopod 2. It differs from *M.*

nasuta (Boeck) (in Sars 1895) by the unproduced first article of antenna 1; from *M. neglecta* (Hansen) (see Sars 1895) by the parallel edges of article 2 on peraeopod 5; from *M. longimana* (Boeck) (see Sars 1895) by the second male gnathopod, which in *M. longimana* has a nearly transverse palm; and from *M. angusta* Shoemaker (1949) by the palmar processes on male gnathopod 2.

MATERIAL: 5 specimens from 3 stations.

ECOLOGY: Known from 2 stations in southern California at depths of 46 and 77 fms and from Monterey Bay at 14 fms.

Distribution: Monterey Bay to San Cristobal Bay, Baja California, 24-140 m, south of Point Conception not shallower than 84 m.

Metopella (?) *aporpis* J. L. Barnard

Metopella aporpis J. L. Barnard 1962c: 142-145, figs. 12, 13.

Canyon material: 6805(3).

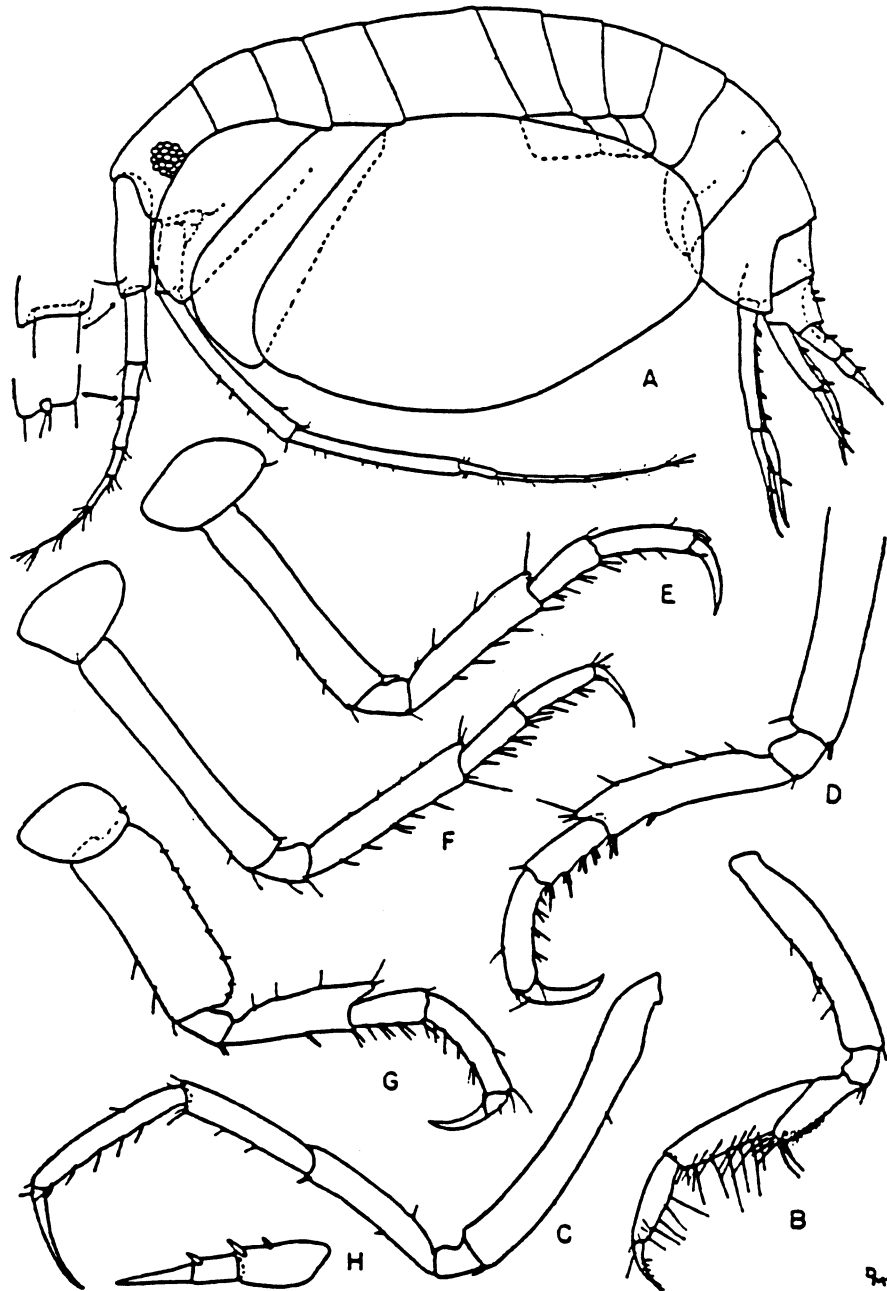


Fig. 12. *Metopella aporpis*, n. sp. Male, holotype, 2.4 mm, sta. 4834: A, lateral view; B, gnathopod 1; C,D,E,F,G, pereopods 1, 2, 3, 4, 5; H, uropod 3.

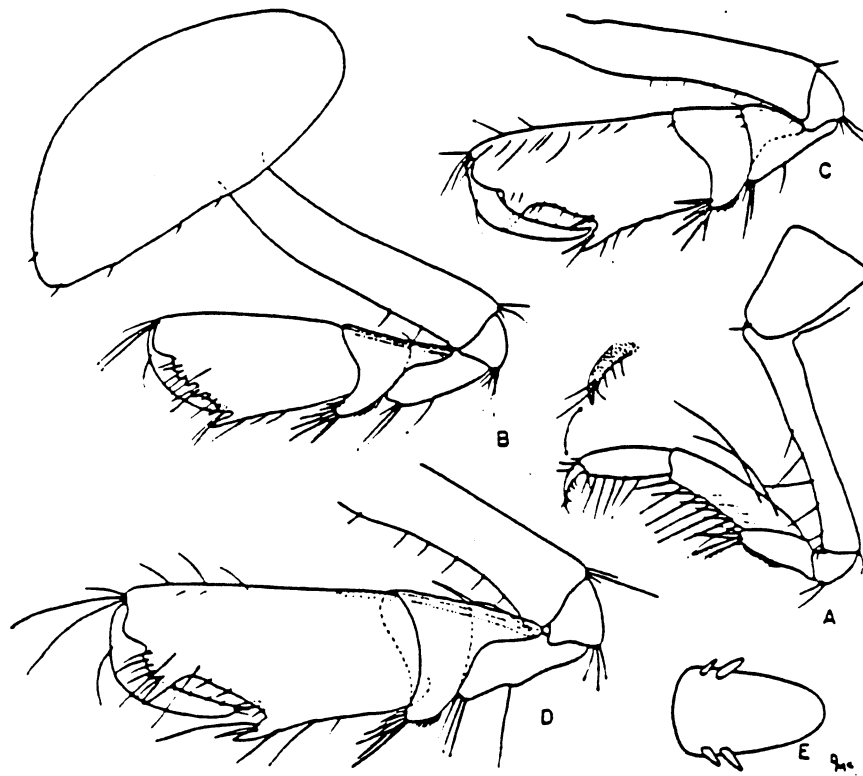


Fig. 13. *Metopella aporpis*. n. sp. Female, 2.5 mm, sta. 4834: A,B, gnathopods 1, 2. Male, holotype, 2.4 mm: C,D, medial and lateral view of gnathopod 2; E, telson.