

Photis sp. B of MBC

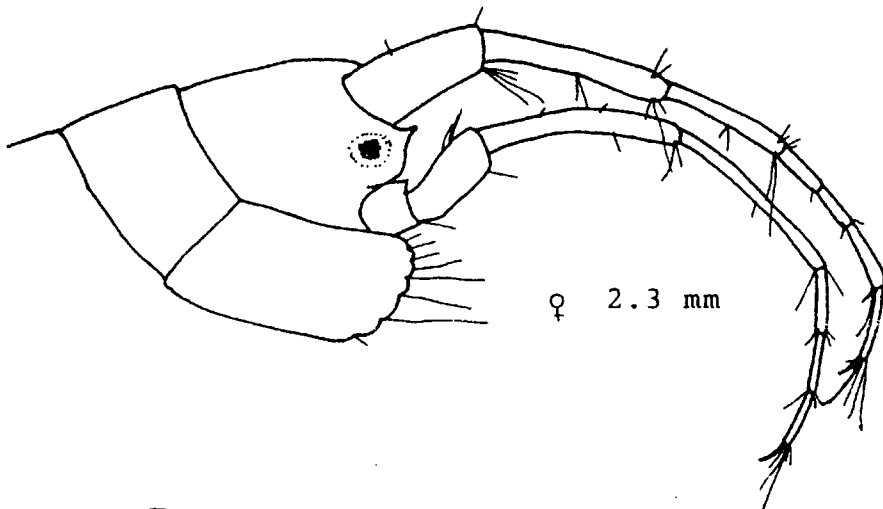
Another species of the amphipod genus Photis was taken in samples off Goleta, California in October 1988 by MBC Applied Environmental Sciences. Samples were from organically enriched sediments at 90 ft with many protruding polychaetes and both drift and attached algae. Photis brevipes, P. californica, P. bifurcata, P. lacia, and P. sp. A also occurred (listed in order of frequency). The species is small, maturing at 2-2.5 mm, as is P. bifurcata. Differentiating characters are listed below:

1. Eyelobe acute and concavely sided in both sexes.
2. Body usually with greyish-whitish pigmentation like that of Aora columbiae.
3. Antennae sparsely setose; setae short (long in brevipes) especially on ant. 2.
4. Ant. 2 peduncle segments 2 and 3 very long and subequal.
5. Coxa 1 with rounded anterio-ventral corner and scalloped ventral margin in both sexes.
6. Eye somewhat small and diffuse (much less densely pigmented than in brevipes).
7. Male Gn. 2 with elongate article 6, dactyl overlapping both palm and defining tooth, and a more shallow "v" near the base of the dactyl caused by a large palmar tooth.

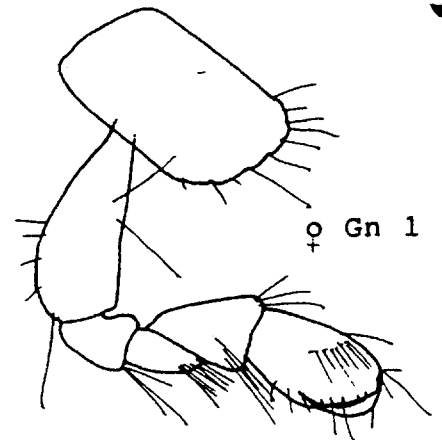
Comment- This small species is probably more widely distributed. It is easily separated once detected. Please let either Carol Paquette or Don Cadien know about any additional records:

MBC Applied Environmental Sciences  
947 Newhall Street  
Costa Mesa, CA 92627  
(714) 646-1601

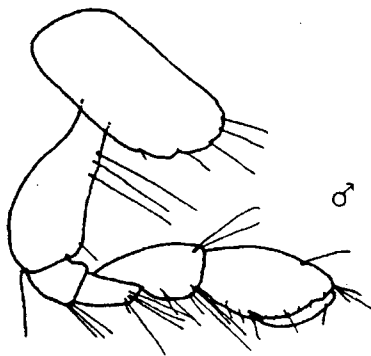
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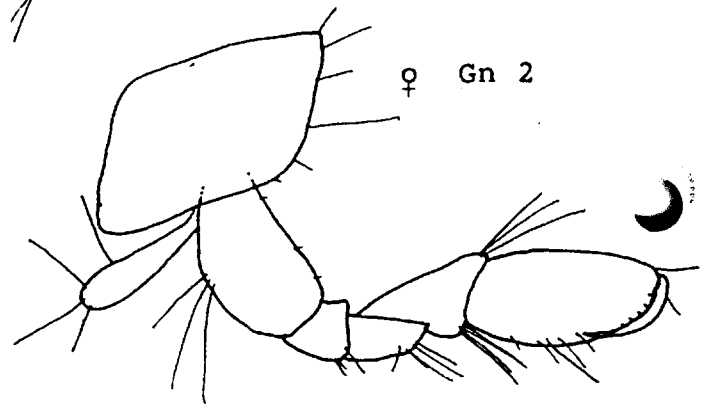
♀ 2.3 mm



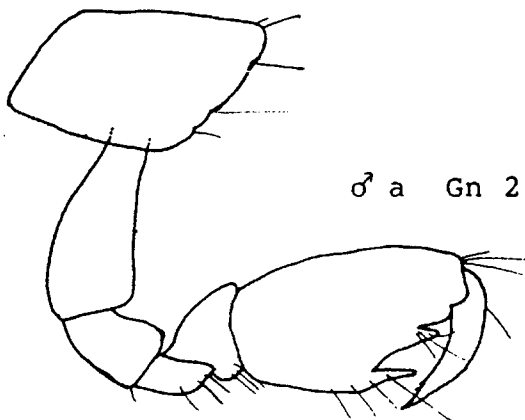
♀ Gn 1



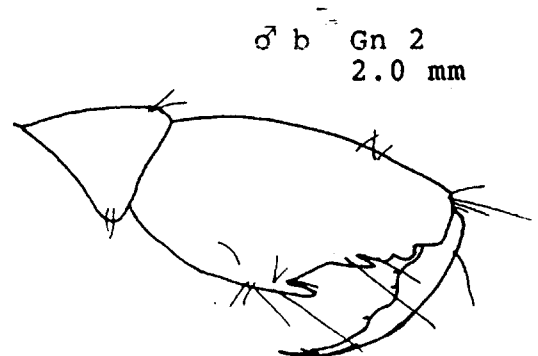
♂ Gn 1  
2.0 mm



♀ Gn 2



♂ a Gn 2



♂ b Gn 2  
2.0 mm

♀, ♂ a from Goleta B7II, 84 ft, 3 Oct 88  
♂ b from Goleta B7IV, 84 ft, 3 Oct 88