

KEY TO THE HESIONIDAE OF SOUTHERN CALIFORNIA

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(reformatted by K. Barwick July, 2011, taxa in bold indicate records for OCSD; revised 14DEC2020)

1. Six pairs of tentacular cirri, (three pairs per-side) (Fig. A).....2
 Eight pairs of tentacular cirri (four pairs per-side) (Fig. C).....6
2. Anterior setigers with thick composite falcigers having bidentate appendages in the neuropodia (Fig. D arrow).....*Heteropodarke heteromorpha*
 All setigers with similar neurosetae, none are thick composite falcigers.....3
3. With two antennae; notosetae absent4
 With three antennae; notosetae present in some setigers5
4. With ventral segmental subpodial lobes; palps biarticulate, attached to frontal margin of prostomium; dorsal cirri elongate.....*Micropodarke dubia*
 Ventral segmental subpodial lobes absent; palps simple, attached ventrally near anterior margin of the mouth; dorsal cirri short.....*Hesionella mccullochae*
5. Median antenna attached near anterior margin of prostomium (Fig B) palps biarticulate; notopodia with a few capillary setae.....*Oxydromus pugettensis*
 Median antenna attached posteriorly on prostomium; palps simple; notopodia with a cirlet of simple hooks*Microphthalmus* sp. A
6. Parapodia biramous with well-developed notopodia, subequal to neuropodia; median antenna attached medially on the prostomium; proboscis with numerous papillae or fimbriae on distal margin.....7
 Parapodia sub-biramous (Fig. E) with notopodia much smaller than neuropodia; median antenna attached to the anterior margin of the prostomium; proboscis with ten papillae on distal margin8
7. Notosetae are capillaries with a serrated margin; body usually with dark brown pigmentation dorsally; median antenna usually lost..... *Gyptis brunnea*
 Notosetae are simple capillaries, no serrations; body not pigmented..... *Amphiduros pacificus*
8. Furcate notosetae with serrations (Fig. H) no digitate lobes at the distal margin of the dorsal cirrophore *Podarkeopsis glabrus*
 Furcate notosetae without serrations; several digitate lobes present (Fig F arrows) on the distal margin of the dorsal cirrophores *Podarkeopsis* sp. A

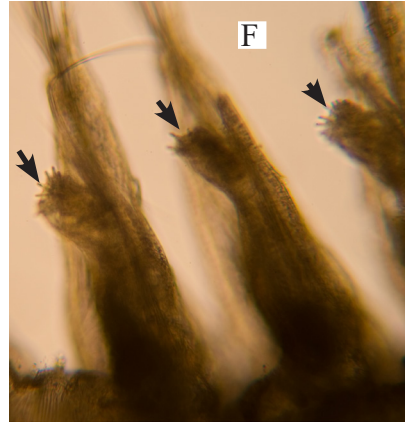
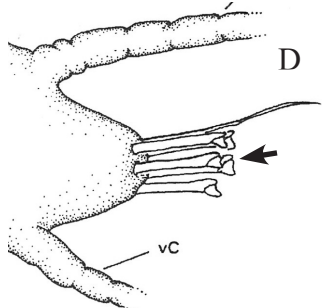
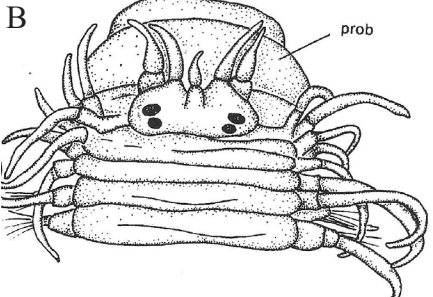
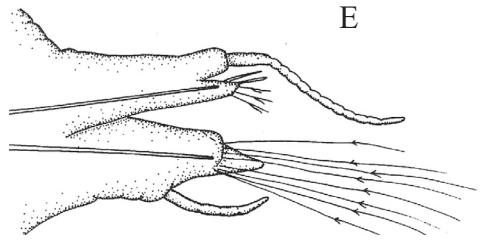
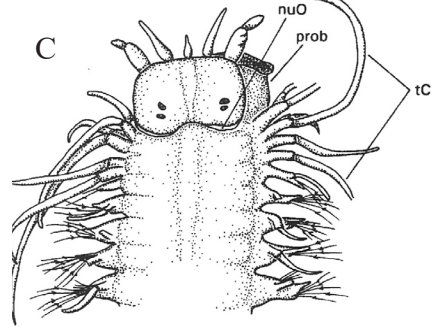
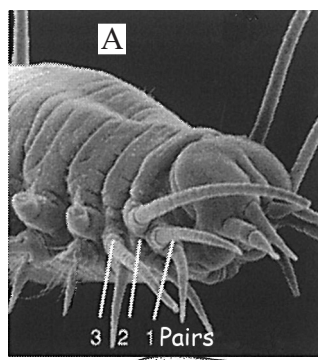
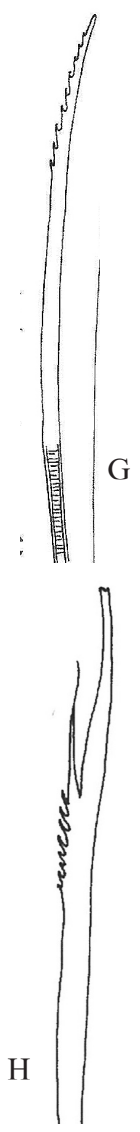


Fig. A modified from Rouse & Pleijel 2001; Fig. B - E, G, H modified from Hilbig, 1997