

Key to the Species of Dulichiidae Reported in the Southern California Bight According to SCAMIT Edition 14

(Adapted from Laubitz 1977 and JL Barnard 1969 by Dean Pasko, 26-Jul-2022)

1. Gills start on pereonite 3 (3 pair on pereonites 3–5); basis of pereopods 3 and 4 greatly expanded; pereopods 5 to 7 not elongated; maxilla 2 inner plate without subapical setal row *Dyopedos*... (2)
 - Gills start on pereonite 2 (4 pair on pereonites 2–5); basis of pereopods 3 and 4 not expanded; pereopods 5 to 7 elongate; maxilla 2 inner plate with subapical setal row 4
2. Eyes present and housed with laterally bulging process; terminal spines of uropod 2 rami short, no longer than other spines of rami; pereopods 3 & 4 with articles 5 and 6 normally sized 3
 - Eyes present, but not within laterally bulging process; terminal spines of uropod 2 rami long; pereopods 3 & 4 with articles 5 and 6 elongate, subequal *Dyopedos* sp. 1 Thomas & McCann 1995
3. Eyes small; male and female with spine on coxa 1; uropod 2 outer ramus two-thirds length of inner ramus; accessory flagellum comprised of one article *Dyopedos arcticus*
 - Eyes large; male coxa 1 with very long spiniform process distally; female coxa 1 squared, without spinose process; uropod 2 rami subequal; accessory flagellum comprised of three articles *Dyopedos monacanthus*
4. Eyes large, slightly to moderately convex; pereopods 5 to 7 without a developed palm on propodus; maxilliped palp with short stout dactylus (*Dulichia*) ... 5
 - Eyes poorly developed or absent; pereopods 5 to 7 with developed palms; maxilliped palp with long slender dactylus *Dulichiosis remis*
5. Pereopod 7 article 5 shorter than 6; gnathopod 2 dactyls denticulate; uropods 1 and 2 spinose; living as obligate commensal of red urchin *Strongylocentrotus franciscanus* *Dulichia rhabdoplastis*
 - Pereopod 7 article 5 longer than 6; gnathopod 2 dactyls and palm without teeth; uropods 1 and 2 lateral edges without spines; collected in soft bottoms of San Francisco Bay *Dulichia* sp Chapman 2007

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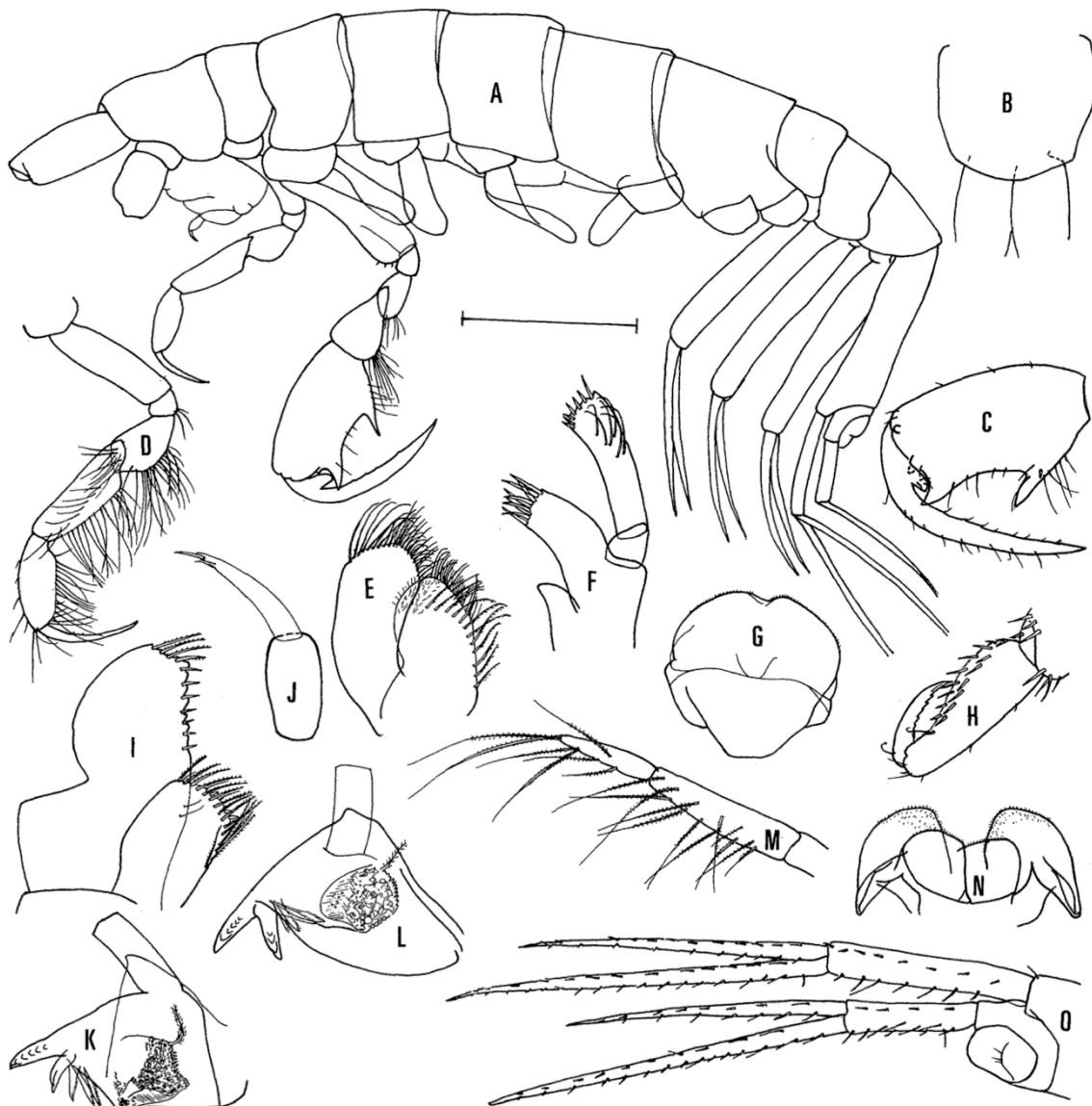


FIG. 10. *Dulichiopsis remis*. A, lateral view; B, dorsal view head; C, ♂ gnathopod 2 propodus; D, ♂ gnathopod 1; E and F, maxilla 2 and 1; G, upper lip; H, propodus pereopod 6; I and J, maxilliped plates and terminal segments of palp; K-M, right and left mandible and palp; N, lower lip; O, posterior urosome.

From Laubitz 1977.

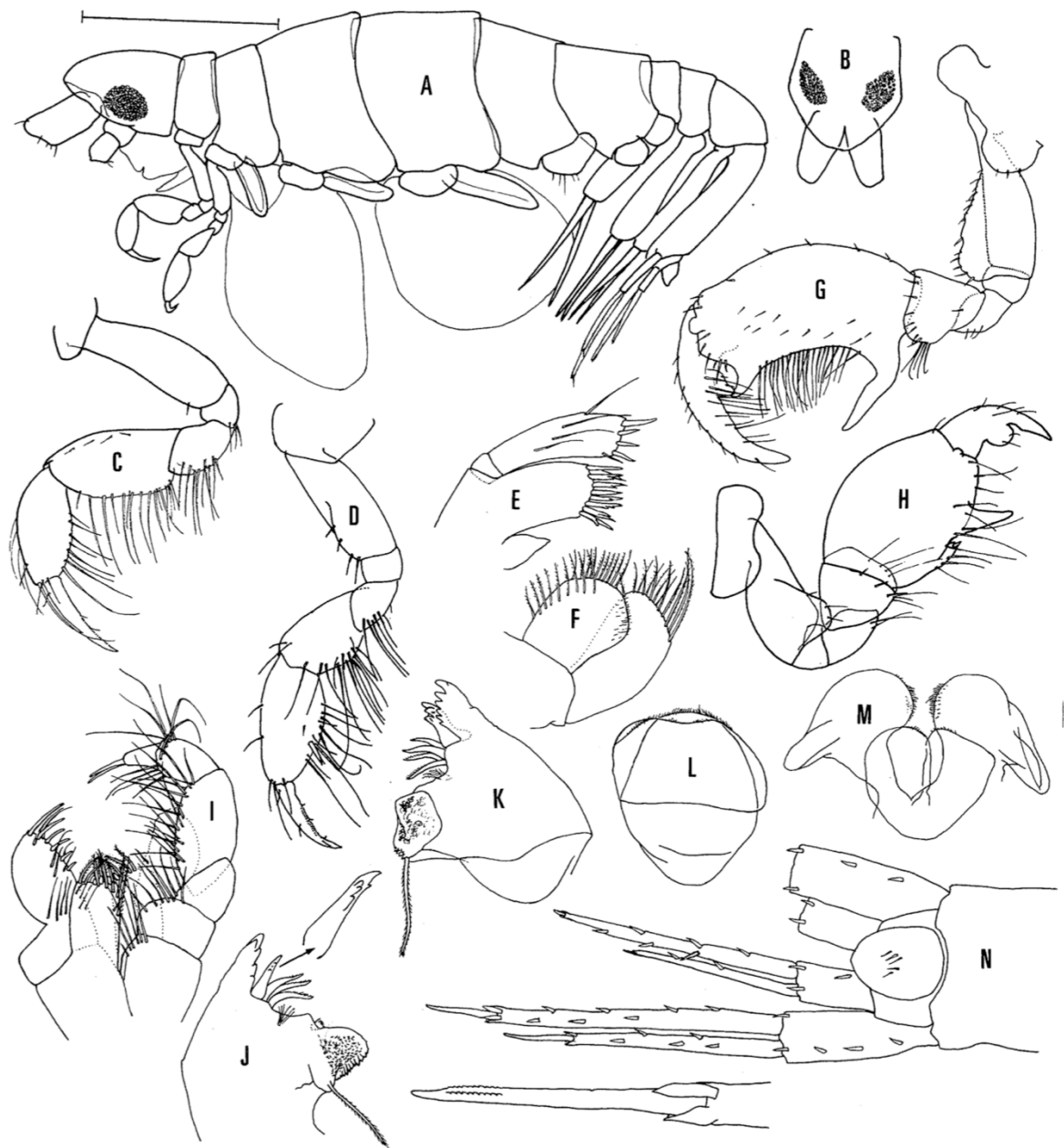


FIG. 2. *Dulichia rhabdoplastis*. A, lateral view; B, dorsal view head; C and D, ♀ gnathopods 1 and 2; E and F, maxilla 1 and 2; G and H, ♂ gnathopod 2, adult and immature; I, maxilliped; J and K, right and left mandibles; L and M, upper and lower lip; N, posterior urosome.

From Laubitz 1977.

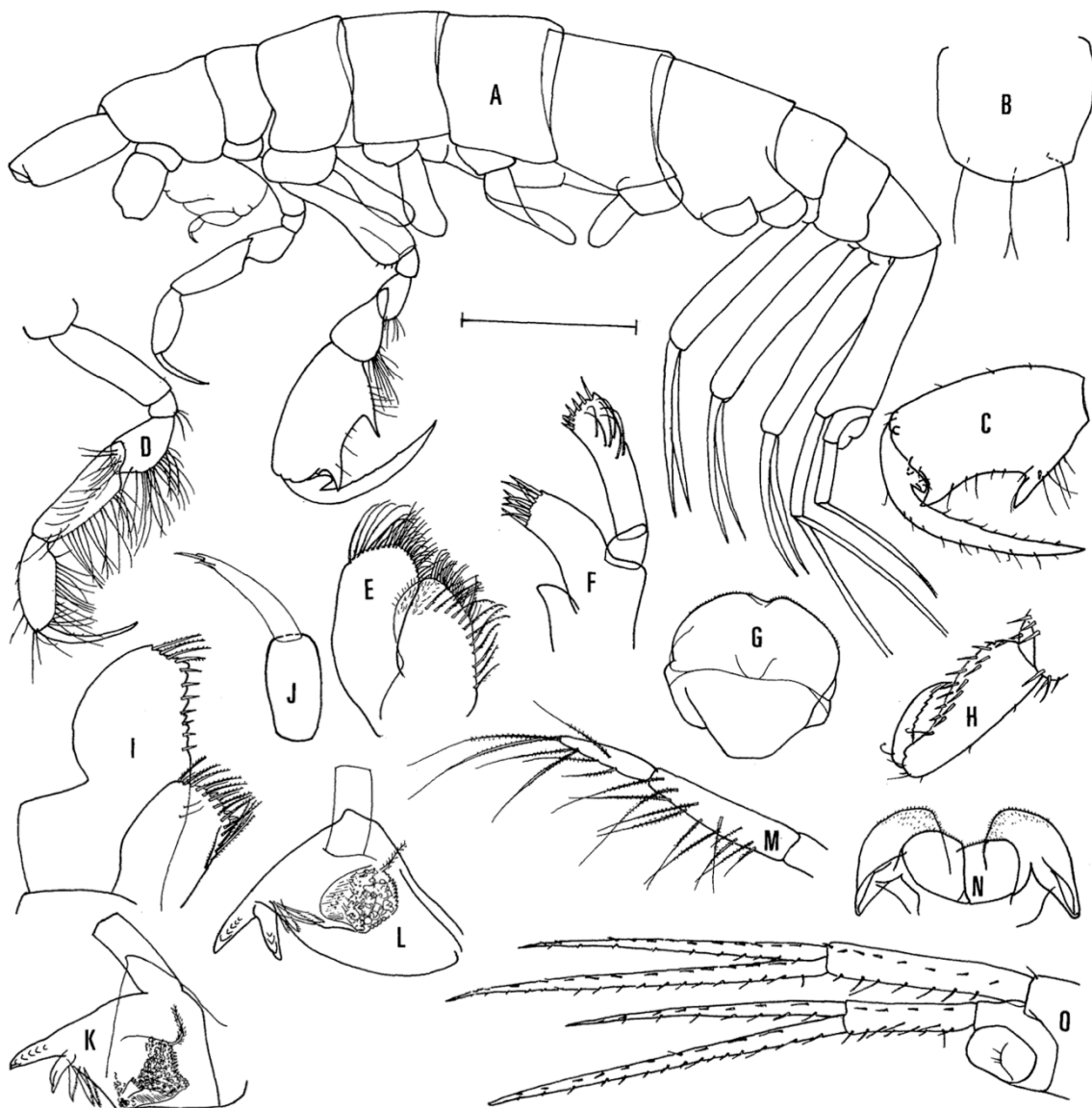


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