

Phylum Arthropoda
 Class Malacostraca
 Superorder Eucarida
Order Decapoda
Suborder Caridea
 Family Alpheidae

Automate sp. A

Coloration: Translucent cantaloupe orange, scarlet apricot egg mass, and scarlet eyespots on top of carapace.

Defining Characteristics:

- Rostrum small, bluntly rounded, does not exceed eyes
- 3rd & 4th pereopods lacking row of spinules on the mesial margin of the propodus
- Palmar margins of the major chela not rugose
- Tip of stylocerite spine reaching less than 2/3 the length of the basicerite
- 3rd maxilliped propodus/dactylus bearing only 4-5 spine groups dorsally instead of 12-16
- Telson armed w/a short & long terminolateral spine pair
- Only has 2 robust setae on telson rather than 6-10 plumose setae
- Smooth margins on major chela

Illustration

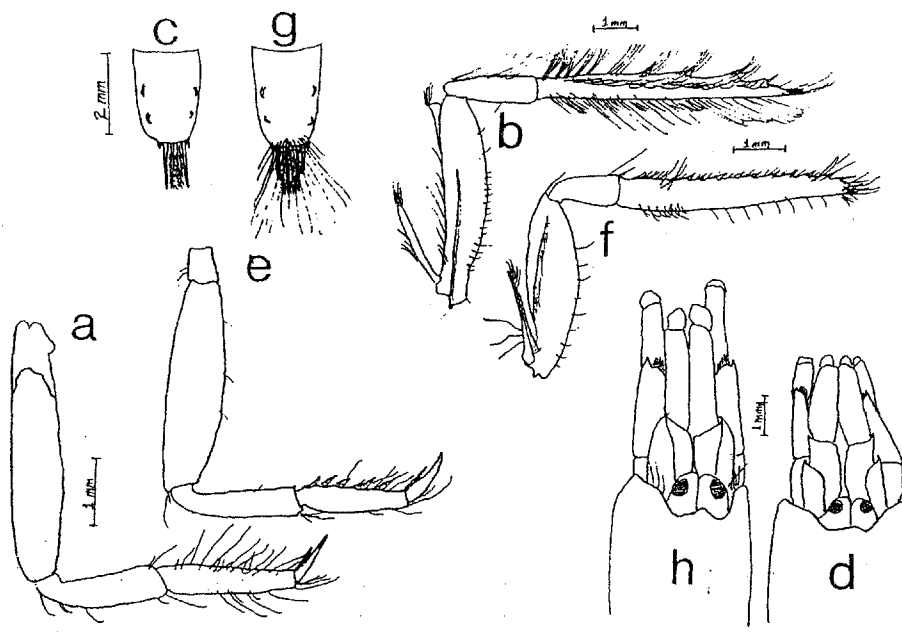


Figure 1) *Automate sp. A* a. 3rd leg, b. 3rd maxilliped, c. telson, d. anterior carapace; *Automate dolichognatha* e. 3rd leg, f. 3rd maxilliped, g. telson, h. anterior carapace (a-d 7.3mm CL ♀♀ from Palos Verdes; e, g-h 7.2mm CL ♀♀ from El Bajo Seamount, Gulf of California, Mexico; f 5.2mm CL ♀♀ from Clarion Island, Mexico)