

Key to Females of *Psorophora* (*Janthinosoma*) Species  
in the United States

1. Hindtarsomeres entirely dark tergum II with distinct apical pale band and terga III-VI with submedian pale apical patches; antennal whorl setae exceptionally short, less than half palpus length ..... *Ps. cyanescens*

At least one of hindtarsomeres 3-5 with pale scales; terga II-VI purple, with small apicolateral patches of white scales; antennal whorl setae distinctly more than half length of palpus ..... 2
- 2(1). Venter of proboscis at base and base of palpus with golden-copper tint from side view; erect forked scales on occiput golden-orange; tergum I with median patch of purple scales; hindtarsomere 3 normally white apically, and 4 and 5 entirely white. .... *Ps. ferox*

Base of proboscis and palpus dark purple; erect forked scales on occiput pale yellow or white; tergum I primarily with creamy white scales; hindtarsomere 3 usually entirely dark, and 4 or 5 pale, or both pale. .... 3
- 3(2). Scutum with distinct color pattern, median longitudinal third with dark brown scales, lateral thirds covered in creamy white scales. .... 4

Scutum without distinct color pattern, with scattered and mixed pale and brown scales. .... 6
- 4(3). Palpus long, between 0.28-0.33 length of proboscis; fore- and hindfemur without apical pale scales; subspiracular area with abundant white scales; hindtarsomere 4 normally white, rarely with few dark scales on 4; 5 white. . (midwest – west of Mississippi River) . . *Ps. longipalpus*

Palpus short, less than 0.25 length of proboscis; fore- and hindfemur with apical pale scales; subspiracular area normally bare, infrequently with 2-8 scales; hindtarsomere 4 normally pale, and 5 pale or dark ..... 5
- 5(4). Postspiracular area with abundant pale scales and 7-12 setae; hindtarsomere 4 entirely or partially white, rarely all dark; 5 white; medium to large species. .... *Ps. horrida*\*

Postspiracular area bare or with 1-4 pale scales and 3-7 setae; hindtarsomere 4 entirely or partially pale, rarely all dark; 5 dark; small species ..... *Ps. mathesoni*\*

6(3). Antennal pedicel with mesal patch of pale scales; subspiracular area and proepimeron with numerous pale scales; hindtarsomere 4 normally partially pale, less commonly entirely white or dark; 5 dark. .... (extreme southern Florida) ..... *Ps. johnstonii*\*

Antennal pedicel without scales; subspiracular area and proepimeron bare; hindtarsomere 4 entirely dark, rarely with pale scales at base; 5 entirely or infrequently partially pale. ....  
.....(extreme southern Texas) ....*Ps. mexicana*

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\* These three species normally have hindtarsomere 4 with white scales. Rare specimens have hindtarsomere 4 entirely dark scaled. Very rare specimens of *Ps. johnstonii* and *Ps. mathesoni* will have the hindtarsomeres entirely dark scaled.