

## An Undescribed Species of Ptychoptera from the Western United States (Ptychopteridae, Diptera).

By CHARLES P. ALEXANDER, Urbana, Illinois.

The undescribed species of the genus *Ptychoptera* Meigen that is described herewith has been confused in collections with the much larger and darker *P. lenis* O. S.

### *Ptychoptera minor* n. sp.

♂ Length, 9 mm.; wing, 8.6 mm. Rostrum and mouth-parts yellow; palpi yellow, the last segment dark brown. Antennae with the basal segment yellow, the second segment brown, the flagellum dark brown. Head black, shiny.

Pronotum yellow. Mesonotum black. Pleura black, gray pruinose, the dorso-pleural membranes bright yellow. Halteres yellow. Legs with the coxae yellow, marked on the outer face with purplish brown, the fore coxae with a basal band and an apical spot, the middle coxae with a basal and an apical band, the hind coxae with the outer face largely brown, only the apical margin yellowish; trochanters light yellow; femora yellow, the tips scarcely darkened; tibiae and metatarsi yellow, the tips darker; tarsi brown. Wings with a strong yellowish gray suffusion, the costal and subcostal cells and along vein *Cu* more yellowish; narrow, indistinct brown seams along the cord and at the fork of  $R_4+5$ . Venation: *Sc* long, ending about opposite three-fourths the length of  $R_4+5$ ; *Rs* moderately long, in alignment with  $R_4+5$ , sometimes spurred at origin.

Abdominal tergites black, segments three to nine with the lateral margins broadly reddish, this color increasing in amount on the terminal segments, the hypopygium entirely reddish; sternites black, broadly ringed caudally with yellowish. Male hypopygium with the ninth tergite massive, deeply notched medially as in *P. lenis* but the lateral lobes only moderately slender, their apices widely separated, quite far before the tip on the ventral face with a small, blunt reddish lobe. Penis-guard not narrowed at the tip, the apex broadly rounded.

In *P. lenis* the hypopygium is black, the lobes of the ninth tergite slender, very narrowly separated at their apices, close before the tip

with an appressed blackened spine; penis-guard conspicuously narrowed at the apex.

*Habitat:* Western United States.

*Holotype*, ♂, Monterey County, California, July 22, 1896.

*Paratype*, ♂, Juliaetta, Idaho, May 3, 1904. Type in the collection of the author.

This new species seems to be about as common as the only other western species of the genus, *Ptychoptera lenis* O. S. The two species are closely related but may be separated by the following key:

Size larger (male, wing over 11 mm.); abdominal tergites black, including the hypopygium; lobes of the ninth tergite of the male hypopygium with a subapical black appressed spine on the ventral surface.

*P. lenis* O. S.

Size small (male, wing under 9 mm.); abdomen with the sides of the tergites and the hypopygium reddish; lobes of the ninth tergite of the male hypopygium with a blunt reddish ventral lobe some distance before the tip.

*P. minor* n. sp.