

One male and two females.

I describe the male and female specimens above as belonging to one species, but it is possible that they are distinct. In addition to the differences noted in the wings and hind tarsi, the female has the abdomen distinctly more slender basally, while the reverse should be the case; the abdomen in the female distally is covered with sparse recumbent short white hairs, while the covering of the male is black pile. The male also has the wings more yellowish.

The male differs from the same sex of *B. cœrulea* chiefly in the eye-facets above not being enlarged, in the more spatulate abdomen, without the white hairs, in the absence of the clouds at the ends of the marginal and submarginal cells, and in the colour of the hind tarsi. The female is best distinguished by the very narrow front above.

18. *Baccha luctuosa*.

Baccha luctuosa, Bigot, Ann. Soc. Ent. Fr. 1883, p. 334¹.

Hab. MEXICO¹.

It is possible that a female specimen from Caché, Costa Rica (*Rogers*), may be of the same species as the male described by Bigot from Mexico. I therefore give a description of it:—

Front much narrowed above; black, on the sides below red; pile black. Antennæ red; third joint orbicular, brownish above. Face yellow. Mesonotum blackish-brown, with marked purple and bronze reflections, the lateral margins yellow. Pleuræ shining blue, largely yellow in front. Scutellum subtranslucent reddish-yellow. Abdomen deep blackish-brown, with marked purple reflections, only a little narrowed at the base; first segment yellow on the sides; second segment with a narrow band; third segment with a pair of small yellow triangles; fourth segment with a pair of yellow V-shaped spots, the angles of which are obtuse and the inner subparallel rami longer than the outer ones; fifth segment with two yellow stripes. Legs and coxæ light yellow; hind femora and tibiæ, save the knees, brown. Wings uniformly deep yellowish-brown; alulæ rudimentary.

Length 9 millim.

The ocelli are remote from the vertex, as in the genus *Mesogramma*, and the species otherwise is a rather aberrant *Baccha*.

The following species have also been recorded from within our limits:—

Baccha lineata, Macq. Dipt. Exot. 1^{er} Suppl. p. 139, t. 20. f. 5.—Texas or Yucatan.

— *marmorata*, Bigot, Ann. Soc. Ent. Fr. 1883, p. 333.—Mexico.

B. lineata may be synonymous with *B. livida*, Schiner.