

Section II.A. *Male with both claws split, and notched on the inner side ;
female with the claws simple.*

2. *Photuris discicollis*. (Tab. IV. fig. 26.)

Nigra, prothorace flavo, vitta discoidali nigra basi latiore, angulis posticis peracutis productis. Long. 13-15 millim. ♂ ♀.

Mas abdominis segmentis tribus apicalibus et pygidio pallide flavis.

Femina segmento quinto in medio, sexto toto et apicali cum pygidio pallidis.

Hab. MEXICO, Cuernavaca, Tuxtla, Panistlahuca, Parada (*Sallé*); GUATEMALA, Panima, Teleman, Sinanja valley, Zapote (*Champion*).

The figure is of a female from Panima.

Very closely allied to, but, I think, amply distinct from, *P. collaris*, Gorh. It is to be distinguished by its usually larger size, by the black vitta on the thorax, and by the still longer form of the latter and its very acute angles, by the apical segment being pale in the male, and by the legs being entirely black.

The head has some very small yellowish marks about the insertion of the antennæ; these at the base and the palpi are fuscous black. The thorax has a short impressed channel, foveolate at its base. The elytra are entirely deep black, not shining; three nervures are visible, but not raised; and the humeral callus is only prominent at the shoulder.

3. *Photuris cyathigera*.

Præcedenti similis at minor; nigra, prothorace flavo, vitta discoidali ad basin latiore, marginem anticum non attingente, angulis posticis subacutis retrorsum productis. Long. 9-10 millim. ♂ ♀.

Mas abdominis segmento septimo fusco, medio roseo-tincto, apicali maculis minutis utrinque roseis.

Femina segmento apicali basi roseo.

Hab. MEXICO, Parada (*Sallé*).

Three specimens in *Sallé*'s collection differ as above; the form of the thoracic vitta is something like an inverted cup, which has suggested to me the name. Although there are specimens of a species which I am disposed to refer to *P. collaris*, which have a black vitta of rather similar shape, yet none of them has the luminous segments so much infusate, and I think on the whole that these will prove to be a distinct species. It is also allied to the species described by me as *P. mexicana*.

4. *Photuris mexicana*.

Photuris mexicana, Gorh. Trans. Ent. Soc. 1880, p. 108. ♂ ♀.

Hab. MEXICO (*Boucard*, *Sallé*).

There is a series of specimens in *Sallé*'s collection which, though differing a little from my types of the above-named species, are hardly more than local varieties. In them the thorax is sometimes wholly or nearly entirely red, and the apical segment in the male dark; the elytra are also blacker, but yet are more fuscous than in *P. collaris*.

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