

### 11. *Photuris mollis*. (Tab. III. fig. 19, ♂.)

*Photuris mollis*, Gorh. Trans. Ent. Soc. 1880, p. 111.

*Hab.* GUATEMALA, Chacoj, Zapote (*Champion*).

*Var.* capite testaceo, prothorace fortius sparsim punctato.

*Hab.* MEXICO, Tuxtla (*Sallé*).

The specimen figured is a male from Zapote.

Smaller than *P. fruticola*, and with the disk of the thorax infusate; the scutellum also fuscous.

The specimens in Sallé's collection are like *P. frontalis* in the yellow head and punctuation, but smaller in size, and with the disk of the thorax infusate.

### 12. *Photuris lugubris*.

Elongata, aterrima, subopaca, prothorace flavo nitido. Long. 11–14 millim. ♂ ♀.

*Mas* segmentis ventralibus tribus ultimis flavis, quinto et sexto longis eburatis.

*Femina* segmentis tribus ultimis flavis.

*Var. α* femoribus testaceis, coxis anterioribus et intermediis pallidis.

*Var. β* capite, scutello et mesosterno flavis, pedibus brunneis basi testaceis.

*Hab.* MEXICO, Oaxaca, Juquila (*Sallé*).—*Var. α.* GUATEMALA, Purula (*Champion*).—*Var. β.* MEXICO (*Sallé, coll. Sturm*).

The coloration of this species is common to several Coleoptera from the same region, and is so precisely repeated in a species of Telephoridæ that they are usually confounded. It is also almost exactly that of *P. funestis*, Gorham, a species occurring in Colombia and Ecuador; from the latter the *three* luminous segments at once distinguish it, *P. funestis* belonging to a section in which one segment (the fifth) in the female and two in the male are white. I should have been inclined to give specific value to the variety *β*, but that the variety *α* is as nearly as possible intermediate, and would in that case have also to be separated. In the male the fifth and sixth segments are angularly emarginate, but not always conspicuously so; the apical segment is cut out on each side, so as to form a lanceolate lobe in the middle; but this is not often very distinct, so that the best distinction is the large eyes and the lengthened, and smooth, shining yellow fifth and sixth plates.

A further point of distinction between this and my *P. funestis* is that the thorax here is more elongate, narrowing to the front, while in the latter it is almost semicircular.

### 13. *Photuris simplex*.

Flava; antennis, palpis, ore, tibiis tarsisque infusatis, prothorace nitido vix punctato. Long. 13 millim. ♀.

*Hab.* COSTA RICA, Volcan de Irazu, Rio Sucio (*Rogers*).

The plain ochraceous-yellow colour of this species sufficiently distinguishes it, the only