

There are also the following described species from within our limits :—

- Eristalis diminutus*, Walk. List Diptera, iii. p. 622.—Mexico.
- *expictus*, Walk. Trans. Ent. Soc. Lond. new ser. v. p. 290.—Mexico.
- *familiaris*, Walk. loc. cit.—Mexico.
- *mexicanus*, Macq. Dipt. Exot. 2<sup>e</sup> Suppl. p. 75.—Mexico.
- *fulvipes*, Bigot, Ann. Soc. Ent. Fr. 1880, p. 225.—Mexico.
- *sacken*, Bigot, loc. cit. p. 224.—Mexico.

### LYCASTRIRHYNCHA.

*Lycastirrhyncha*, Bigot, Rev. et Mag. Zool. 1859, p. 307.

#### 1. *Lycastirrhyncha nitens*.

? *Lycastirrhyncha nitens*, Bigot, Rev. et Mag. Zool. 1859, p. 307<sup>1</sup>.

*Hab.* MEXICO, Vera Cruz (*H. H. Smith*).—SOUTH AMERICA, Amazons<sup>1</sup>.

This very peculiar Eristalid is, I believe, entitled to generic rank. The epistoma is produced into a conical, elongate snout, quite like that of *Rhingia*. The male is dichoptic and the hind femora are thickened. The eyes are bare. As the diagnosis given by Bigot is inadequate to determine the species with certainty, I here give a brief description of our specimens :—

*Male.* Face thickly yellowish-dusted, in the middle and on the upper part of the snout metallic black. Antennæ red. Front opaque black across the middle, shining above and below. Mesonotum metallic bluish-black, with a broad, interrupted, lateral, posteriorly geminate stripe, and four slender median stripes, coalescent in two pairs posteriorly, opaque black. Scutellum opaque black at the base, the apex shining. Abdomen opaque black; a spot on the posterior margin of the third segment, and the cylindrical fourth segment, except three equidistant round opaque black spots, and the hypopygium, shining metallic; second segment on each side with a large, the third with a smaller, spot, yellow. Legs black; knees, base of femora, and middle metatarsi yellow. Wings hyaline.

*Female.* Front on each side with an opaque spot. Third, fourth, and fifth abdominal segments shining metallic, the two former each with three equidistant opaque black spots and a narrow yellow hind margin.

Length, including snout, 8–9 millim.

This description, it will be seen, differs materially from Bigot's diagnosis; but it will be time enough to name our form when its specific distinction shall be shown.

### PTEROPTILA.

*Plagiocera*, Macquart, Dipt. Exot. ii. 2, p. 59 (1842) (nec Klug).

*Pteroptila*, Loew, Centur. vi. no. 59, in Berl. ent. Zeitschr. 1865, p. 165.

#### 1. *Pteroptila crucigera*.

*Milesia acuta*, Fabr. Syst. Antl. p. 189<sup>1</sup>; Wiedem. Aussereur. zweifl. Ins. ii. p. 110 (translation from Fabricius)<sup>2</sup>.