

middle, the latter small; cheeks with a dark brown stripe in front; in profile the face is deeply concave above, with a well-marked tubercle. Antennæ reddish-yellow, small, not a third of the length of the face, the third joint scarcely three times as long as wide; arista well plumose, more than twice as long as the joint. Thorax yellow, the pectus black; the mesonotum, except the lateral margins, deep metallic purple, more yellowish posteriorly. Scutellum yellow, somewhat purplish, with black pile, and the margin with black bristles, the latter only a little remote at the apex; no preapical depression. Abdomen light yellow at the base, the posterior margins of the second, third, and fourth segments black, the third and fourth segments, otherwise, more obscure yellowish- or brownish-red. Legs brown, blackish, and obscurely yellow; the hind metatarsi lighter yellow. Wings subhyaline, the marginal cell closed in the costa or narrowly open.

Length 7 millim.

The following species have also been described by Bigot from within our limits:—

*Volucella variegata*, Bigot, Ann. Soc. Ent. Fr. 1875, p. 478.—Mexico.

—— *nigrifacies*, Bigot, loc. cit. p. 479.—Mexico.

—— *viridula*, Bigot, loc. cit. p. 481.—Mexico.

—— *tristis*, Bigot, loc. cit. p. 482.—Mexico.

—— *fulvicornis*, Bigot, loc. cit. 1883, p. 84.—Panama.

—— *tau*, Bigot, loc. cit. p. 84; Willist. Synopsis N.-Am. Syrphidæ, p. 143.—Mexico, California.

### OPHROMYIA, gen. nov.\*

*Male*. Allied to *Volucella*, but differing in the structure of the head. Eyes pilose, broadly separated at the vertex. Antennæ inserted low down, nearly as low as the lower border of the eyes. Front swollen and remarkably broad, of the full width of the face to just below the ocelli, where it becomes suddenly narrowed to about half its previous width. Face short, small, conical, projecting downward, compressed before its tip so as to form a small, rounded snout. Antennæ slender, two-thirds as long as the face; second joint with a projection on the inner side, overlapping the base of the third joint. Arista loosely plumose, but somewhat peculiar in that the plumosity extends quite to the tip, the individual hairs becoming successively longer, and curved backward. Thorax with bristles. Wings as in *Volucella*; anterior cross-vein toward the base of the discal cell.

The two specimens from which this description is drawn were not suspected to be males from the structure of the head.

#### 1. *Ophromyia nasica*, sp. n., ♂. (Tab. II. figg. 1, ♂; 1 *a*, head; 1 *b*, antenna.)

Front and face oily-, or subtranslucent-yellowish-, white, the cheeks with a brown line. Nearly opposite the base of the antennæ, close to the eyes, there is a small silvery spot, with a minute brown dot above and below, the lower one at the extremity of a suture running horizontally from the base of the antennæ. Front, above, clothed with thick, short, whitish pile. Antennæ brownish-red. Mesonotum deep blue, with violet reflections, the lateral margins obscurely yellowish; pile short, not abundant, whitish; lateral margins with stout bristles, and a row of more slender bristles before the scutellum. Pleuræ yellow and black. Scutellum deep purplish black, with three stout bristles on each lateral margin. Abdomen light yellow, subtranslucent; obscurely brownish distally; second and third segments with a narrow dark band posteriorly, due in part to the ground-colour, in part to short black hairs. Wings lightly tinged with

\* 'Οφρὺς, brow; μυῖα, fly.