

dark bronze, with three ill-defined stripes; pile yellow; pleuræ and scutellum more steel-blue. Abdomen shining, subopaque, brownish-black, the first segment and the anterior angles of the following ones shining metallic. Legs black; tips of the femora, the four anterior tibiæ, the base of the hind tibiæ, all the metatarsi, and the second joint of the four posterior tarsi, yellow, the remainder of the tarsi brown or blackish; hind metatarsi elongate, but not thickened. Wings nearly hyaline; stigma elongate, yellow; narrow brown clouds on the anterior cross-vein and across from the origin of the third vein to the vein at the base of the last posterior cell.

*Female.* Front subshining, black or steel-blue, with an opaque black cross-band above composed of two coalescent oval spots. Mesonotum black or bluish-black. Abdomen black or bluish-black, with a large opaque or subopaque triangle on the second segment.

Length 8-9 millim.

*Hab.* MEXICO, Xucumanatlan 7000 feet, Omilteme 8000 feet, both in Guerrero (*H. H. Smith*).

Fifteen examples. This species is very much like *M. scitulum*, Willist., in structure, differing chiefly in the more elongate first antennal joint. The markings of the face and wings are quite similar, as are the facial grooves. In immature specimens the second abdominal segment may be largely yellowish at the base.

### 8. *Melanostoma rugosonassus*, sp. n., ♀.

Front, below, moderately shining, submetallic black; above, with a black opaque cross-band below the ocelli. Antennæ red, the upper part of the third joint blackish; first two joints of about equal length, the third joint as long as the first two together, about twice as long as broad. Face shining black, partly concealed beneath whitish pollen, which, on the sides, is faintly striate; in the middle, with five, well-marked, slender transverse grooves. Mesonotum moderately shining, brownish-steel-blue, with three darker, not conspicuous, stripes; scutellum steel-blue. Abdomen shining metallic bluish; second, third, and fourth segments each with a posterior black band, extending more or less forward in the middle. Legs: first two pairs reddish- or brownish-yellow, with the base of the femora and the tarsi blackish; hind femora black; hind tibiæ and tarsi brown, except the base of the former, which is reddish-yellow; hind metatarsi elongate. Wings tinged with yellowish; stigma yellow.

Length 9 millim.

*Hab.* MEXICO, Omilteme in Guerrero 8000 feet (*H. H. Smith*).

A second specimen, from Xucumanatlan, differs in having fewer transverse wrinkles on the face; the face in profile very gently concave below the antennæ (instead of straight); the abdomen more uniformly black, and not distinctly banded; the legs black and brown, with the knees and the base of the tibiæ yellow; and the wings with a large brownish spot; I am inclined to think that it belongs to a distinct species.

### 9. *Melanostoma melanocerum*, sp. n., ♀.

Front opaque black above, black-pilose. Antennæ black, the third joint slightly reddish below; third joint oval, about as long as the first two joints together. Face shining black, on the sides with a broad stripe of pollen running from the orbit to the oral margin; in the middle with four parallel grooves. Mesonotum black, with a slight bronze reflection, but little shining. Abdomen opaque black, the anterior angles of the third and fourth segments somewhat reddish. Legs black, the distal end of the four anterior femora,