

Female. Closely allied to *M. mellinum*. Face on the sides densely yellow-pollinose, leaving a median stripe and the cheeks shining black, and extending on the front to an opaque black cross-band below the ocelli; the space immediately about the ocelli shining. Antennæ yellow, the third joint blackish above. Mesonotum brown, but little shining. Scutellum metallic green, shining. Abdomen subopaque, black, the first segment somewhat shining; second segment with a slender oblique spot, connected with the lateral margin; the third and fourth segments each with a pair of right-angled triangular spots, their apex directed backward, and that of the fourth connected with the lateral margins, and the fifth segment with a small triangular spot on each side in front, yellow. Legs yellow, the hind tarsi a little infuscated; hind metatarsi elongate, but scarcely thickened. Wings tinged with yellowish, and narrowly, but distinctly, clouded with blackish at the extremity.

Length 7 millim.

6. *Melanostoma catabombum*, sp. n., ♂ ♀.

Male. Sides of the frontal triangle and of the face thickly covered with uniform yellow pollen, leaving a spot in the middle above the antennæ and a broad median stripe below shining, somewhat metallic black; cheeks more or less shining. Antennæ red, the third joint largely blackish above; first joint about as long as the oval third joint, distinctly longer than the second. Frontal triangle with black pile. Mesonotum and scutellum shining bronze, with yellowish pile; pleuræ of a similar colour in the middle, more steel-blue below. Abdomen rather narrow, its greatest width at the distal end of the third segment; opaque black; the first segment and the hypopygium shining metallic; second segment on the lateral margin in front metallic; third and fourth segments each with a pair of moderately large, rounded yellow spots on the anterior part, touching the lateral margin; pile along the sides anteriorly long and light yellow. Legs yellow; four front femora towards their base somewhat brownish; four front tarsi, except part or all of the basal joint, blackish; hind legs brown, the tarsi black, the base of the tibiæ and the metatarsi yellow. Wings nearly hyaline; the stigma brown, a narrow cloud at the tip in front blackish.

Length 10-11 millim.

Female. Front and sides of the face whitish-pollinose; on the upper part of the former, below the ocelli, an opaque black cross-band, with a point projecting downwards in the middle. Thorax and scutellum moderately shining, greenish-blue; the mesonotum with three darker stripes, of which the median one is linear. Abdomen subopaque, black, the first and last segments more shining; the oval spots of the third and fourth segments not touching the lateral margin; the second segment with a yellow spot on each side in front.

Length 8-9 millim.

Hab. MEXICO, Omilteme 8000 feet, Amula 6000 feet, both in Guerrero (*H. H. Smith*).

Six males and three females.

I am not quite sure that these females belong to the males here described, by reason of their smaller size; they agree structurally, however, throughout.

7. *Melanostoma crenulatum*, sp. n., ♂ ♀. (Tab. I. figg. 5, ♀; 5 a, head in profile; 5 b, head from in front.)

Male. Allied to *M. scitulum*, Willist., but with the first joint of the antennæ as long as the other two joints together. Frontal triangle opaque black above, shining below, with black pile. Antennæ elongate, slender, remote at their base; first joint as long as the following two joints together, yellowish or reddish; second and third joints of about equal length; third joint black, more than twice as long as wide, obtusely pointed. Face shining black; running from the inner side of each antenna, with a gentle outward curve, to the oral margin, is a slender white line of pollen; running transversely across the space contained within these lines are three or four narrow, shallow, grooves; three small spots of white pollen along the orbital margin, the lowest one extended diffusely to the oral margin. Mesonotum moderately shining,