

3. *Sphærophoria* — ?

Female. Front shining black, on the lower two-thirds yellow along the orbits. Antennæ reddish-yellow, black on the upper border of the third joint. Face yellow; sometimes a brownish spot on the tubercle. Mesonotum shining bronze-green; the yellow of the margins truncate at the suture; postalar callosities yellow. Scutellum yellow, somewhat reddish on the disc. Pleuræ and metanotum shining blue, with three or four yellow spots. Abdomen black; the sides of the first segment, a straight band on the second segment, and a gently arcuate band on the third segment yellow; the yellow of the fourth segment consists of two slender rectangular spots, bordering the front margin, and separated by a narrow space along the middle—within the rectangular space an oval oblique spot, contiguous with the posterior ramus; fifth segment with four longitudinal spots, more or less blended in front. Legs light yellow, the hind tibiæ at the base and tip, and the hind tarsi light brownish. Wings nearly hyaline.

Male. Frontal triangle with a shield-shaped black spot. The oblique spots of the fourth abdominal segment larger, and more broadly blended with the posteriorly directed stripe, the whole partly or entirely separated from the basal yellow interrupted band. Hypopygium small.

Length 6–8 millim.

Hab. MEXICO, Omilteme 8000 feet, Amula 6000 feet, and Acaguizotla 3500 feet, all in Guerrero, Cuernavaca (*H. H. Smith*).

Two males and six females.

4. *Sphærophoria* — ?

Male. Face and frontal triangle yellow, the former with a black stripe, the latter with a small black spot. Mesonotum deep green, but little shining; lateral stripe truncate at the suture; a yellow spot on the postalar callosities. Pleuræ shining blue-black, with a yellow spot above. Abdomen opaque black; the margins of the incisures, except of the first, shining; first segment with yellow sides; second segment with an interrupted band, connected on the lateral margins with the yellow of the first segment; third and fourth segments each with a broad, nearly straight, yellow band; fifth segment yellow, save a transverse shining black spot behind. Hypopygium small. Legs yellow; coxæ black; hind femora with a broad brown ring; hind tibiæ, except the base, and the hind tarsi brown. Wings nearly hyaline.

Female. Face and front yellow, the latter black on the upper part. First abdominal band not interrupted by a slender line.

Length 8 millim.

Hab. MEXICO, Xucumanatlan 7000 feet (*H. H. Smith*), Ciudad in Durango, 8100 feet (*Forrer*).

Two specimens.

I feel confident that the male and female specimens here described are of the same species, notwithstanding the absence of the black facial stripe in the latter. How great other variations may be, I, of course, cannot say, but I suspect that a large number of specimens may show not a few.

5. *Sphærophoria* — ?

Female. Face yellow, with a broad black stripe. Antennæ brown, the third joint largely yellowish-red. Front black, the sides on the lower half yellow; rather broad above. Mesonotum dark green, but little shining; lateral stripe truncate at the suture; a spot on the postalar callosities. Scutellum yellow, the extreme edge brown. Abdomen opaque black, with the incisures shining; sides of the first segment, an interrupted band on the second, and a complete band on the third, fourth, and fifth segments yellow; the three posterior bands have the hind margin bilaterally oblique, straight, and angulated