

abdomen has an interrupted or subinterrupted, the fourth an entire, shining cross-band. In the female the black of the second abdominal segment is somewhat greater in extent, the red of the third segment is confined to the anterior angles, and the fourth and fifth segments are wholly black, except the yellow hind margin. Macquart's description of *E. bogotensis*¹, from Santa Fé de Bogota, applies excellently well to the female; v. d. Wulp's remarks (Tijdschr. v. Ent. xxv. p. 129), however, not so well.

8. *Eristalis trigonus*, sp. n., ♂ ♀. (Tab. II. figg. 4; 4 α, head.)

Male. Face amber-coloured, a median stripe, to above the tubercle, shining, above and on the sides densely yellowish-pollinose and yellow-pilose; cheeks shining black. Frontal triangle blackish in the middle, the pollen brownish and yellowish, the pile chiefly black. Antennæ yellowish-red; arista bare. Eyes densely pilose. Mesonotum, before the suture, opaque brownish-grey; behind the suture opaque grey, with three large opaque velvety-black spots—the median one elongate oval or suboval, the lateral ones in the shape of a right-angled triangle, with the hypotenuse gently concave. Pile of the mesonotum yellowish-brown. Pleuræ densely grey-pollinose, blackish in the middle above; pile yellow. Scutellum opaque reddish-brown, more blackish at the base. Abdomen: first segment grey; second segment yellow, with a large T-shaped opaque black marking, the stem broad, and extending laterally to the margin posteriorly as a narrow brownish band; third segment with a median opaque black stripe and a narrow brown or blackish posterior band; fourth segment reddish or brown, with a narrow shining cross-band; second, third, and fourth segments each with a narrow light yellow hind margin; hypopygium shining black. Legs: femora, except the tip, tip of four anterior tarsi, and the hind tarsi, black; elsewhere red; hind femora thickened. Wings hyaline, sometimes tinged with yellow on the basal anterior part.

Female. Front narrowed above, with an opaque black band below the ocelli and black pile. Abdomen shining black; second, third, and fourth segments each with a narrow yellow hind margin and a posterior opaque black band; second segment with an anterior band, connected broadly in the middle with the posterior one, the third segment with an anterior oval spot, and the fourth and fifth segments each with an anterior, narrow band, opaque black.

Length 9–11 millim.

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

Four specimens.

9. *Eristalis cosmius*.

Eristalis cosmius, Schiner, Reise der Novara, Diptera, p. 362¹.

Hab. MEXICO, Jalapa (*M. Trujillo*).—SOUTH AMERICA¹.

A single male specimen from Jalapa seems to belong to this species. It differs from the description in the tip of the scutellum being shining, not "schiefergrau," in the abdomen being distinctly pilose, in the red spots of the fourth segment being very small, and in the femora being black, not "pechschwarz."

10. *Eristalis furcatus*.

Eristalis furcatus, Wiedem. Zool. Mag. Kiel, i. 3, p. 51¹; Aussereur. zweifl. Ins. ii. p. 176²;

Schiner, Reise der Novara, Diptera, p. 362³; v. d. Wulp, Tijdschr. v. Ent. xxv. p. 131⁴;

Willist. Trans. Am. Ent. Soc. xv. p. 279⁵.

Eristalis femoratus, Macq. Dipt. Exot. ii. 2, p. 40, t. 9. f. 6⁶.