

Eristalis trifasciatus, Say, Journ. Acad. Phil. vi. p. 165⁷; Complete Writings, ii. p. 359⁸.

Eristalis uvarum, Walk. List Diptera, iii. p. 623⁹.

Hab. NORTH AMERICA⁴, Pennsylvania⁵, Indiana⁵, Georgia⁵, Florida⁵.—MEXICO^{5 7 8} (*H. H. Smith, &c.*); GUATEMALA (*Champion*).—SOUTH AMERICA, Guiana⁴, Brazil^{3 5 6}; WEST INDIES^{1 2}, Cuba^{4 5}, Jamaica⁹.

Sixty-five specimens, from numerous localities and collectors.

17. *Eristalis æmulus*, sp. n., ♂ ♀. (Tab. II. fig. 5, ♂.)

Male. Face densely white-pollinose, with white pile; a median stripe and the cheeks shining black. Antennæ reddish-brown. Frontal triangle elongate, shining black, with black pile, whitish-pollinose on the sides. Mesonotum with three complete, broad, ashy bands, the first two more or less confluent. Scutellum wholly light reddish-yellow. Abdomen conical; opaque black; fourth segment with a subinterrupted metallic band; second segment with very large light yellow spots, leaving the black **I**-shaped, extending narrowly along the lateral margins; third segment with a quadrate yellow spot in front on each side, narrowly separated from the lateral margins; hind margins of the second, third, and fourth segments narrowly yellow. Legs black, the four anterior tibiæ at the base yellowish; hind femora considerably thickened. Wings hyaline; grey clouds in the marginal, submarginal, and first posterior cells.

Female. Front narrowed above, chiefly opaque brown, shining below; pile black. The yellow spots of the second abdominal segment smaller, leaving a broader posterior band; third and fourth segments shining metallic anteriorly, opaque black before the yellow hind margin; third segment with a rounded opaque spot in the middle in front.

Length 10–13 millim.

Hab. MEXICO, Rio Papagaio 1200 feet, Chilpancingo 4600 feet, Rincon 2800 feet, Venta de Zopilote 2800 feet, all in Guerrero (*H. H. Smith*); GUATEMALA, San Gerónimo (*Champion*); PANAMA, Bugaba (*Champion*).

Thirteen specimens.

This species is closely allied to the one mentioned by me from Brazil (Trans. Am. Ent. Soc. xv. p. 280) as possibly being *E. agrorum*. It differs, however, in the contiguity of the male eyes being considerably less in extent, in the spots of the second and third segments not reaching quite to the margins, and in the hind femora being less thickened.

18. *Eristalis* — ?

Hab. MEXICO, Teapa in Tabasco (*H. H. Smith*).

A single female specimen of a species allied to *E. æmulus*. It is smaller, the hind femora are but little thickened, the tibiæ are more red, the outer cells of the wings are without grey clouds, the spots of the second abdominal segment are mostly shining metallic, and the remaining segments are opaque, with a narrow, shining metallic, complete band.

19. *Eristalis minutalis*, sp. n., ♂ ♀. (Tab. II. figg. 6, ♀; 6a, head.)

Face densely, nearly white-, pollinose and pilose. Cheeks, a median facial stripe, and a small spot on the frontal triangle shining black. Frontal triangle black-pilose. Eyes narrowly contiguous. Antennæ