

#### 4. *Eristalis pachypoda*.

*Eristalis pachypoda*, Bigot, Ann. Soc. Ent. Fr. 1880, p. 224<sup>1</sup>.

*Hab.* MEXICO<sup>1</sup>; COSTA RICA, Volcan de Irazu 6000 to 7000 feet, San Francisco 4500 feet, Caché (*Rogers*).

It is impossible to say with certainty whether this or the preceding species is the one described by Bigot, as his description applies about equally well to both. The present one differs from *E. obsoletus*, in the male sex, in the frontal and vertical triangles being black-, not yellow-, pilose; in the broader, more deeply black abdomen, clothed chiefly with black, not yellow pile; in the rather darker legs, larger size, and more distinct brown spot on the wings. The females may be best distinguished by the pile of the front being mostly black in *E. pachypoda*, light yellow in *E. obsoletus*.

#### 5. *Eristalis latifrons*.

*Eristalis latifrons*, Loew, Centur. vi. no. 65, in Berl. ent. Zeitschr. 1865, p. 169<sup>1</sup>; Willist.

Synopsis N.-Am. Syrphidæ, p. 164<sup>2</sup>.

*Eristalis stipator*, Osten Sacken, Western Dipt., in Bull. U.S. Geol. & Geogr. Survey, iii. p. 336<sup>3</sup>;

Willist. Proc. Am. Phil. Soc. xx. pp. 319, 322<sup>4</sup>.

*Hab.* UNITED STATES, Kansas<sup>2 4</sup>, Colorado<sup>2 3 4</sup>, New Mexico<sup>2 3 4</sup>, Arizona<sup>2</sup>, Texas<sup>2</sup>, California<sup>2 3 4</sup>.—MEXICO, Matamoros (*Osten Sacken*<sup>1</sup>), Northern Sonora (*Morrison*), Amula in Guerrero (*H. H. Smith*).

Twenty specimens, agreeing well with northern ones.

#### 6. *Eristalis ochraceus*.

*Eristalis ochraceus*, Willist. Trans. Am. Ent. Soc. xv. p. 279<sup>1</sup>.

*Hab.* MEXICO, Teapa in Tabasco (*H. H. Smith*).—SOUTH AMERICA, Brazil<sup>1</sup>.

A single female example from Teapa agrees well with a type-specimen from Brazil. The pile of the thorax is very short. The abdomen is red, each segment with a slender black band preceding the narrow yellow hind margin; the fifth segment is shining black, except the anterior margin, which is opaque grey, like the first segment; the second segment has a lateral triangle, the third and fourth a complete band, shining.

#### 7. *Eristalis bellardi*.

? *Eristalis bogotensis*, Macq. Dipt. Exot. ii. 2, p. 52<sup>1</sup>.

*Eristalis bellardii*, Jaennicke, Neue exot. Dipt., in Abh. Senck. Ges. vi. p. 400<sup>2</sup>.

*Eristalis rufoscutata*, Bigot, Ann. Soc. Ent. Fr. 1880, p. 221<sup>3</sup>.

*Hab.* MEXICO<sup>2 3</sup>, Ciudad in Durango (*Forrer*).—COLOMBIA, Bogota<sup>1</sup>.

Twelve specimens.

These vary in length from less than 10 to 13 millim. The third segment of the