

yellow; distinctly clouded distally. Legs light yellow; the immediate base of the femora brownish; front and middle tibiae, except their base, and their tarsi, black, the corresponding parts of the hind legs more brown.

Length 9 millim.

*Hab.* MEXICO, Acaguizotla in Guerrero (*H. H. Smith*).

Two specimens.

### COPESTYLUM.

*Copestylum*, Macquart, Dipt. Exot. 1<sup>er</sup> Suppl. p. 124 (1846).

#### 1. *Copestylum marginatum*.

*Volucella marginata*, Say, Journ. Acad. Phil. vi. p. 167<sup>1</sup>; Complete Writings, ii. p. 360<sup>2</sup>; Osten Sacken, Western Diptera, in Bull. U.S. Geol. & Geogr. Survey, iii. p. 333<sup>3</sup>.

*Copestylum marginatum*, Osten Sacken, Cat. N.-Am. Dipt. 2nd ed. p. 130<sup>4</sup>; Willist. Synopsis N.-Am. Syrphidæ, p. 151, t. 7. figg. 1, 1 *a*, 1 *b*<sup>5</sup>.

*Copestylum flaviventris*, Macq. Dipt. Exot. 1<sup>er</sup> Suppl. p. 125, t. 10. f. 16<sup>6</sup>.

*Hab.* UNITED STATES, Texas<sup>3 4 5</sup>, Arizona<sup>5</sup>, California<sup>5</sup>, Montana<sup>5</sup>, Colorado.—MEXICO<sup>1 2 4</sup>, Northern Sonora (*Morrison*), Tepetlapa in Guerrero (*H. H. Smith*); GUATEMALA, San Gerónimo (*Champion*).—SOUTH AMERICA, Colombia<sup>6</sup>, Venezuela<sup>6</sup>.

Central-American specimens are of the variety with light antennæ, as described by me, and show no differences from the description, and only minor differences among themselves.

#### 2. *Copestylum limbipenne*. (Tab. II. figg. 2, ♀; 2 *a*, head; 2 *b*, antenna.)

*Copestylum limbipennis*, Willist. Synopsis N.-Am. Syrphidæ, p. 152<sup>1</sup>.

*Hab.* MEXICO, Venta de Zopilote, Acapulco (*H. H. Smith*), Isthmus of Tehuantepec<sup>1</sup>.

The females agree with the description; the antennæ are somewhat lighter coloured, and the lateral margins of the abdomen are yellow. The males have smaller, more slender antennæ, longer pile throughout, and are without the yellow spots and vittulæ of the mesonotum, or have only yellowish indications of them. The abdomen is frequently more brown than black.

### ERISTALIS.

*Eristalis*, Latreille, Hist. Nat. Crust. et Ins. xiv. p. 363 (1805).

*Eristalomya*, Rondani, Dipt. Ital. Prodr. ii. p. 40 (1857).

*Eristalinus*, Rondani, loc. cit.

#### *Synopsis of the recognized Central-American species.*

1. Mesonotum with one or more ashy or shining transverse

bands; arista bare . . . . . 11.