

*Hab.* MEXICO, Ciudad in Durango 8100 feet (*Forrer*).

Two specimens.

This species is distinguishable from *C. petulca*, Willist., by the absence of bristles on the scutellum; from *C. baroni*, Willist., by the red antennæ and metallic coloration; from *C. occidentalis*, Willist., and *C. hoodiensis*, Bigot, by the light-coloured pile of the mesonotum; and from *C. lasiophthalma*, Willist., by the facial profile.

### 3. *Chilosia sororcula*, sp. n., ♂.

Eyes bare. Frontal triangle not swollen, shining black, with an impressed line and black pile. Antennæ red; third joint rounded, not large; arista pubescent. Face shining black, bare, save on the narrow orbits; whitish-pollinose, very thinly below, more thickly near the antennæ; facial tubercle not more protuberant than the antennal tubercle. Mesonotum and scutellum deep shining black, with abundant black pile; the margin of the scutellum with longer hairs, scarcely differentiated as bristles; pleuræ with white pile. Abdomen shining, somewhat metallic, black, with white and dusky pile; second segment, except the small front angles and the narrow hind margin, and the third segment, save a large, triangular lateral spot and the narrow hind margin, opaque black. Legs black, with white pile; the tibiæ and the four anterior tarsi largely luteous-yellow. Wings greyish- or yellowish-hyaline; stigma pale yellow.

Length 6–9 millim.

*Hab.* MEXICO, Omilteme 8000 feet, Xucumanatlan 7000 feet, Sierra de las Aguas Escondidas 7000 feet, all in Guerrero (*H. H. Smith*).

This species may be easily distinguished from all other known American *Chilosia*; it is nearest related to *C. versipellis*, Willist.

### 4. *Chilosia frontosa*.

*Cartosyrphus frontosus*, Bigot, Ann. Soc. Ent. Fr. 1883, p. 553<sup>1</sup>.

*Hab.* MEXICO<sup>1</sup>.

## MELANOSTOMA.

*Melanostoma*, Schiner, Wien. ent. Monatschr. iv. p. 213 (1860).

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

1. Tibiæ of the males on the outer side with long hairs; pollen of the face with the ground-colour showing through in dots or ripples . . . . . 2.
- Tibiæ of the males without such hairs or bristles; pollen of the face not dotted or rippled . . . . . 3.
2. Face moderately projecting below, in profile distinctly receding below the tubercle . . . . . *stegnum*, Say.
- Face markedly projecting below, not receding below the tubercle . . . . . *fenestratum*, Macq.
3. Abdomen with yellow or yellowish markings . . . . . 4.