

## CHILOSIA.

*Cheilusia*, Meigen, Syst. Besch. iii. p. 296 (1822).

*Cartosyrphus*, Bigot, Ann. Soc. Ent. Fr. 1883, p. 230.

*Synopsis of the Central-American species.*

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| 1. Eyes hairy . . . . .                                | 2.                            |
| Eyes bare . . . . .                                    | 3.                            |
| 2. Shining bronze, with abundant golden pile . . . . . | <i>chrysochlamys</i> , sp. n. |
| Shining green, with sparse, lighter pile . . . . .     | <i>sororia</i> , sp. n.       |
| 3. Mesonotum shining black . . . . .                   | <i>sororcula</i> , sp. n.     |
| Mesonotum and abdomen opaque black . . . . .           | <i>frontosa</i> , Bigot.      |

1. **Chilosia chrysochlamys**, sp. n., ♂ ♀. (Tab. I. figg. 4, ♀; 4 a, head.)

*Male*. Eyes with long, light pile, broadly contiguous. Frontal triangle not swollen, thinly pollinose, and with yellow pile and a slender median groove. Antennæ red, the first two joints darker; third joint rounded, not large; arista black, bare. Face shining black, bare, save on the outer side of the well-marked lateral grooves; whitish-pollinose above and on the orbits; in profile, the well-developed tubercle not projecting beyond the base of the antennæ. Mesonotum shining bronze, with long, reddish-yellow pile. Scutellum similarly coloured and pilose; without bristles. Abdomen shining bronze, like the mesonotum; first segment subshining green; second segment, except the sides and narrow hind margin, opaque black; third segment with a large opaque triangle; pile long, abundant (especially posteriorly), semi-recumbent, golden-yellow; on the sides in front white. Venter subshining, black, with yellowish hind margins to the segments; pile white and light yellowish. Tegulæ white, light yellow-ciliate. Legs black, white-pilose; base and tip of all the tibiæ, and the articulations of the anterior tarsi more or less red. Wings tinged with yellowish and brownish.

*Female*. Front subshining, with lateral grooves and yellow pile; third joint of antennæ a little larger, subquadrate; facial tubercle more prominent. Abdomen more oval, wholly shining bronze, except the first segment; and with abundant, recumbent, golden pile, as in the male.

Length 12 millim.

*Hab.* MEXICO, Omilteme 8000 feet, Sierra de las Aguas Escondidas 9500 feet, both in Guerrero (*H. H. Smith*).

Five specimens.

The only North-American species with which this may be confounded is *C. lasiophthalma*, Willist., from which the facial profile, opacity of the male abdomen, and the long yellow abdominal pile will at once distinguish it.

2. **Chilosia sororia**, sp. n., ♀.

Eyes clothed with a short, sparse pile. Front shining metallic, yellowish-pollinose and with yellowish pile; a distinct groove on either side. Antennæ red; arista black, bare. Face shining black, bare, save on the narrow orbits; whitish-pollinose above; in profile with a strongly protuberant tubercle projecting beyond the base of the antennæ. Mesonotum shining metallic green, with bronze reflections; pile short, sparse, yellowish. Scutellum without bristles. Pleuræ with white pile. Abdomen shining metallic, with yellowish or whitish pile. Legs with white pile; femora, except the tips, black; for the rest the legs are yellowish-red, except the tips of the tarsi, which are somewhat blackish. Wings greyish-, or slightly yellowish-, hyaline.

Length 8-9 millim.