

20. Third antennal joint quadrangular.....*Townsendi*.
 Third antennal joint rounded-ovate or ovate.....21
21. Abdomen in both sexes entirely shining.....26
 Abdomen of the male largely opaque.....22
22. Posterior femora on basal third, and at apex, yellow; scutellum
 yellow, except the narrow base.....*pallipes*.
 Posterior femora, except the apex, black; scutellum only piceous at
 apex; first posterior cell broader and last section of fourth longi-
 tudinal vein accordingly longer.....*tristis*.
23. Second abdominal segment partly opaque; four anterior tibiae
 entirely yellow.....*prima*.
 Abdomen entirely shining; four anterior tibiae with at least a dark
 band.....*parva*.
24. Pile of dorsum of thorax black, abundant.....*sorocula*.
 Pile of dorsum of thorax sparse, whitish or yellowish.....29
25. Thorax long pilose, third antennal joint moderate; arista
 pubescent.....*aurotecta*.
 Thorax short pilose.....27
26. Anterior femora largely black.....*cyanescens*.
 Anterior femora yellow.....*plumata*.
27. Scutellum with bristlelike hairs.....*levis*.
 Scutellum destitute of such hairs.....*lucta*.
28. Scutellum with bristles.....*pctulca*.
 Scutellum without bristles.....*sororia*.
29. Pile of the abdomen long, yellow.....*chalybescens*.
 Pile of the abdomen short.....*hoodiensis*.
30. Posterior femora light-coloured at base and apex; dorsum of thorax
 smooth.....*pallipes*.
 Posterior femora light-coloured only at the apex; dorsum of thorax
 roughened.....*leucoparca*.

CATALOGUE OF THE DESCRIBED NORTH AMERICAN SPECIES OF CHILIOSIA.

Chilosia.Meigen; Syst. Besch. III., 296 (1822), *Cheilosia*.

Ibid., id., VII., 128 (1838).

Cartosyrphus, Bigot, Ann. Soc. Ent. Fr., 1883; 555. (Will.)

Melanogaster, Bigot, Ann. Soc. Ent. Fr., 1883; 258. (Pt.)

Syrphus and Eristalis ex parte, auctorum.