

Mallochiella halteralis Coquillett

Desmometopa halteralis Coq., Proc. U. S. N. M., XXII, 267, 1900.

A series of nine specimens from Lethbridge, Alta., May 31, 1920, (E. H. Strickland) shows great variation in the color of the palpi, the carina and tarsi.

The lunular carina varies from white to brown, the palpi often appear wholly black or nearly so while the front tarsi are sometimes only obscurely yellowish at the base of the first segment.

There may be some doubt about *M. glabra* belonging here. In the specimen before me, which I take to be this species, the lower part of the face is not triangularly raised and there is no pteropleural bristle such as occurs in the other two species. It might well be that a new genus should be erected for it.

Mallochiella orillia n. sp.

Black; the broad cheeks, oral triangle of the face and the lunular carina, white, the frontal orbits whitish outside the frontals, in front the bristles leave two black indentations while the orbitals arise from small black spots; anterior fourth of front reddish; the median fourth of the front with a longitudinal, thinly whitish pollinose vitta. Length, almost 2 mm.

Male. Three pairs of frontals, two below and one very near the vertex; two pairs of divergent orbitals, the anterior pair directed somewhat forward posterior pair rather reclinate; ocellars and postocellars small; verticals absent, perhaps represented by the upper frontals; outer verticals short, divergent. Ocellar triangle and occiput above cinereous pollinose, the occiput elsewhere shining black; a row of tiny bristles along lower edge of cheeks; oral vibrissae above oral margin. Palpi yellow, largely whitish, the apex below sometimes broadly black. Antennae black, cinereous pollinose, the third segment broadly reddish below.

Mesonotum, mesopleura above, a spot above front coxae, upper border of sternopleura and pleura posteriorly, including the metanotum, luteous or yellowish gray pollinose, the pteropleura less thickly so; mesonotum with five narrow brownish vittae, the median three extending to the posterior fourth, the lateral ones indistinct in front of the suture; each hair rises from a tiny blackish spot; no hairs on scutellum, which bears four marginal bristles; one pair of dorso-centrals, two posterior callar bristles, the inner one weak; one weak supra-alar. Pteropleural bristle distinct.

Legs black; coxae gray pollinose, the anterior pair shining black on basal fourth or more, broadly reddish apically; anterior four tibiae each with a basal and median white pollinose band beneath which the ground color is usually reddish; the immediate base of the first three tarsal segments is reddish yellow, the first segment broadly so. Posterior tibiae very broad, the outer surface of the hind pair concave.

Wings whitish; veins luteous, darker apically.

Abdomen opaque brownish, the sides and fourth segment polished black; venter thinly brownish pollinose.

Female.—Palpi blackish on lower border; hind tibiae not one third as wide as in male, with yellow basal band.

Holotype—♂, Orillia, Ont., June 27, 1926, (Curran); No. 2332 in the Canadian National Collection, Ottawa.

Allotype—♀, same data.

Paratypes—2♂, same data.

Excerpt from Canadian Entomologist. February, 1927.

A NEW SPECIES OF MALLOCHIELLA (DIPTERA: MILICHIIDAE).*

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During the summer of 1926, while collecting in Orillia, numerous small flies were observed on old fence posts in the hot sun. It was presumed that they represented some common species of Agromyzinae and only six specimens were captured after much difficulty, four of these proving to belong to a beautiful undescribed species of *Mallochiella*. In Melander's key to the Milichiinae (Jour. N. Y. Ent. Soc., XXXI, 1913) the members of this genus trace to *Hypaspistomyia* Hendel, an Asiatic genus, but the oral margin is not retracted. The carinate lunule is variable both in size and color in *M. halteralis* Coq. but always separates the antennae.

The three species referable to the genus may be separated by the key which follows:

TABLE OF SPECIES.

- 1. Halteres wholly black 2.
- Halteres whitish, the base black; cheeks and frontal orbits white, rather silvery; third antennal segment largely reddish below *orillia* n. sp.
- 2. Face wholly black; palpi black *glabra* Fallen
- Face with large white spot below in middle; palpi usually yellowish, sometimes mostly black *halteralis* Coq.

*—Contribution from the Division of Systematic Entomology, Entomological Branch, Dept. of Agric., Ottawa.