

THREE NEW SPECIES OF PSYLLIDAE WITH
NOTES ON OTHERS

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Livia aba n. sp.

Length to tip of forewing 3.2 mm.; forewing 2.2 mm.

Color: Head and thorax brownish red above; venter black. Abdomen brown above with white venter. Forewings yellowish.

Vertex angulate in front as in *coloradensis* Crawford. Eyes rather prominent for the genus. Forewings with membrane rugose but hyaline.

Dorsal valve of female greatly arched in caudal half with extreme apical portion suddenly narrowed to a short blunt apex. Ventral valve narrowly triangular in lateral aspect.

Female holotype from Yellowstone Park, Wyoming, collected by Herbert Osborn, is in his collection at Ohio State University.

Livia vernaliforma n. sp.

Length to tip of forewing 3 mm.; forewing 2.2 mm.

Color: Golden yellow washed with orange. Venter of head and thorax black. Forewings very light yellow.

Vertex short but emarginate in front similar to *vernalis* Fitch. Forewing over twice as long as broad; membrane hyaline, rugose.

Dorsal valve of female similar to *vernalis* except much more sinuate with a much narrower apex; ventral valve not as heavy.

Female holotype, Williston, N. D., collected by Herbert Osborn, is in his collection at Ohio State University.

Trioza sembla n. sp.

Length to tip of forewing 2.7 mm.; forewing 2.2 mm.

Color: Light orange except for black eyes, black antennae beyond second segment, brown tarsi, and yellow margin around vertex.

Head as broad as thorax, both finely pubescent. Genal cones two thirds as long as vertex, acute, slightly divergent. Antennae a little longer than width of head. Forewings little over twice as long as broad; apices subacute.

Proctiger of male with large caudal lobes. Forceps shorter than proctiger. In lateral aspect: Caudal margin practically straight, cephalic margin slightly produced cephalad, apices slightly rounded rather than truncate. In caudal aspect: thick basally, slightly bowed, narrowed evenly to apices.

Male holotype, Painted Desert, Ariz., VI-25, D. J. and J. N. Knull collectors, is in the Ohio State University collection.

Aphalaroida masonici n. n.

This species was described as a species of *Euphyllura* with some doubt as to placement. Since the frons is visible, although very

indistinct, the species belongs in *Aphalaroida*. The name *acacia* is preoccupied by Crawford's species so the name *masonici* is proposed. (Ann. Ent. Soc. Amer. 31: 442, 1938.)

***Psylla tuthilli* n. n.**

Mr. Tuthill has called the writer's attention to the fact that the name *virida* is preoccupied by *viridis* Hartig. The writer takes pleasure in naming this species after Mr. L. D. Tuthill of Iowa State College. (Can. Ent. 71: 212, 1939.)

***Phyllopecta minuta* Crawford**

Mr. Oman has called attention to the fact that the writer erred in proposing the name *multidubiata* for Mallys' *salicis*. The name should be *minuta* Crawford. It also follows that the variety *P. multidubiata breviradia* should be changed to *P. minuta breviradia*. (Can. Ent. 71: 211, 1939.)
