

slightly shorter than the segment. Third segment four to five times as long as the sixth and spur; first segment gibbous on the inner side. Inner side of antennal tubercles with slight projection. Forehead narrow, body long, wings long, with cubitus twice forked. Nectaries short, slightly longer than broad, and somewhat tapering, but constricted in the middle; ends oblique to the axes of the nectaries. Cauda longer than the nectaries and knobbed at the tip; base tapering and strongly constricted at junction with the tip. Anal plate rounded and without an emargination. *Callipterus mucidus* Fitch belongs in this genus.

Myzocallis Passerini, 1860.¹

type, *A. coryli* Gœtze.

Synonyms: *Pterocallis* Passerini, 1860.¹

Callipterooides Mordwilko, 1894.²

Tuberculatus Mordwilko, 1894.²

Subcallipterus Mordwilko, 1894.²

? *Therioaphis* Walker, 1870.³

Discussion: This genus was first formed in 1860 by Passerini, with *Aphis coryli* Gœtze as the type. At the same time he formed the genus *Pterocallis*, with *Aphis alni* Fabricius as the type, and included with it *Aphis tiliae* Linn.

In 1906 Schouteden formed the genus *Eucallipterus*, with *A. tiliae* Linn. as the type.

After studying specimens of the above species I am of the opinion that *A. alni* Fab. is too closely related to *Myzocallis* to form a new genus, and so *Pterocallis* is a synonym. The second species included by Pass., under the genus name *Pterocallis*, is entirely distinct from the type, and so the genus *Eucallipterus*, as formed by Schouteden with *A. tiliae* Linn. as the type, is valid.

In looking over specimens which are supposed to be *Aphis ononodis* Kalténbach, I fail to see any characters distinct enough to separate this species from the genus *Myzocallis*, and so I have placed *Therioaphis* Walker as a questionable synonym of that genus.

In 1894 Mordwilko used *A. coryli* Gœtze as the type for his genus *Callipterooides*, but as this species was used for *Myzocallis* it must go under *Myzocallis*. In looking over specimens of *Aphis quercus* Kalt, I was

1. Gli Afidi, Parma, p. 28, 1860.

2. Raboli Laboratorie Zoologischeskago Kabineta Imperatorskago: Varshavskago Universiteta.

3. The Zoologist, p. 1999, 1870.