Records of gall midges of the subfamily Lestremiinae (Diptera: Cecidomyiidae) in Sweden

[Fynd av gallmyggor av underfamiljen Lestremiinae (Diptera: Cecidomyiidae) i Sverige]

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Hedström (1994) has pointed out the lack of knowledge of many groups of Diptera in Sweden. The family Cecidomyiidae is estimated to hold about 530 species in Sweden (Hedström 1994) and the knowledge of the gallmaking subfamily Cecidomyiinae is fairly good. However, in the subfamilies Lestremiinae and Porricondylinae only a few species have been recorded from Sweden to date. Zetterstedt (1850, 1851, 1860) recorded seven species of Lestremiinae from Sweden, namely *Catarete brevinervis* (Zetterstedt, 1851), *Lestremia leucophaea* (Meigen, 1818), *L. cinerea* Maquart, 1826, *Xylopriona atra* (Meigen, 1804), *Campylomyza bicolor* Meigen, 1818, *C. flavipes* Meigen, 1818 and *C. pallipes* (Zetterstedt, 1850). Information concerning the distribution of these species was published by Skuhravá (1986).

In connection with my visit as guest researcher at the Department of Plant- and Forest Protection, Swedish University of Agricultural Sciences in Uppsala I had the possibility to collect gall midges in different localities in South and Central Sweden during May 21 – July 22 1993. This is the second list of species from the material. The first list, dealing with Porricondylinae, was published in a previous issue of Ent. Tidskr. (Mamaev 1995).

Fig. 1. The author during a field trip in an old spruce forest in Dalarna, Nås, Tjärnberget, June 1993. Photo: Bengt Ehnström.

Författaren under en exkursion i en gammal granskog i Dalarna, Nås, Tjärnberget, juni 1993.

The material was mostly collected by netting over the vegetation. Some species were also bred from larvae (*Monardia stirpum* and *Cortinthomyia brevicornis*). The larvae of the subfamily Lestremiinae feed on decayed organic material in soil, dead wood or in fungi.

The collected specimens were mounted in canadian balsam on slides with separated genitalia. Altogether about 50 species were recorded in this material. Up to now, 28 species are determined of which 25 are new to Sweden as follows.

Catocha latipes Haliday, 1833. DR: Garpenberg, Herrgården 14.VI 7♂♂ . – *Anarete candidata* Haliday, 1833. UP: Uppsala, Lunsen 9.VI 1♂ – *Anaretella defecta* (Winnertz, 1870). UP: Bladåker, Bennebol 16.VII 1♂. – *A. spiraeina* (Felt, 1907). DR: Garpenberg, Herrgården 14.VI 1♂. UP: Uppsala, Flogsta 22.VII 1♂. – *Lestremia cinerea* Macquart, 1826. UP: Östhammar, Fagerön 13.VII 1♂. – *L. leucophaea* (Meigen, 1818). UP: Knutby, Herrgården 16.VII 1♂. – *Aprionus aequatus* Mamaev, 1963. SK. Osby 25.V 1♂. – *A. bifidus* Mamaev, 1963. UP: Uppsala, Lunsen 9.VI 1♂. DR: Garpenberg, Herrgården 16.VI 1♂. – *A. bispinosus* Edwards, 1938. SM: Siggaboda 21.V 1♂. – *A. dentifer* Mamaev, 1965. DR: Nås, Gräsberget 26.VI 1♂. – *A. flavidus* (Winnertz, 1870). DR: Garpenberg, Herrgården 14.VI 1♂; Nås, Gräsberget 26.VI 1♂. – *A. inquisitor* Mamaev, 1963. DR: Nås, Gräsberget 26.VI 3♂♂. UP: Uppsala, Flogsta 22.VII 1♂. – *A. spiniger* (Kieffer, 1894). DR: Nås, Gräsberget 20.VI 2♂♂.UP: Bladåker, Bennebol 16.VII 1♂. Uppsala, Flogsta 22.VII 5♂♂. – *Bryomyia apsecta* Edwards, 1938. SK: Skäralid 22.V 2♂♂. SM: Siggaboda 21.V 3♂♂; Braås 26.V 3♂♂. UP: Bladåker, Bennebol 16.V 5♂♂; Uppsala, Flogsta 22.VII 2♂♂. DR: Garpenberg, Herrgården 14.VI 1;♂ Hässlen 16.VI 1♂. – *B. bergrothi* Kieffer, 1895. UP: Uppsala, Lunsen 9.VI 2♂♂; Flogsta 22.VII 2♂♂. DR: Garpenberg, Herrgården 14.VI 23♂♂; Hässlen 16.VI 2♂♂; Nås, Gräsberget 20.VI 2♂♂, 1.VII 7♂♂. – *B. gibbosa*

(Felt, 1907). DR: Nås, Gräsberget 26.VI 3♂♂, 1.VII 13♂♂; Lindesnäs 3.VII 1♂. – *B. incisa* Mamaev, 1963. SK: Skäralid 22.V 3♂♂; Häckeberga 23.V 8♂♂; Osby 25.V 1♂. – *B. producta* (Felt, 1908). SK: Osby 25.V 1♂; DR: Garpenberg, Herrgården 14.VI 23♂♂; Hässlen 16.VI 3♂♂; Nås, Gräsberget 1.VII 9♂♂. – *Heterogenella hybrida* Mamaev, 1963. DR: Nås, Gräsberget 1.VII 2♂♂. – *Monardia stirpium* Kieffer, 1895. DR: Nås, Frömans holme 1.VII, larvae developed in dead wood of *Alnus incana* (11♂♂. 16♀♀ were hatched). – *Excrescentia mutuata* Mamaev & Berest, 1991. SM: Siggaboda 21.V 2♂♂. – *Xylopriona monotheca* (Edwards, 1938). DR: Nås, Gräsberget 26.VI 5♂♂, 1.VII 15♂♂. UP: Östhammar, Fagerön 13.VII 1♂; Knutby, Herrgården 16.VII 1♂. – *Campylomyza flavipes* Meigen, 1818. SM: Braås 26.V 1♂. UP: Knutby, Herrgården 16.VII 1♂. – *C. pinetorum* (Edwards, 1938). DR: Nås, Gräsberget 1. VII 1♂. – *Corinthomya brevicornis* (Felt, 1907). SM: Braås 26.V 4♂♂, 3♀♀, larvae developed in soil under stump of *Picea excelsa* in burned forest. – *Peromyia diadema* Mamaev, 1963. UP: Knutby, Herrgården 16.VII 1♂; Bladåker, Bennebol 16.VII 1♂. – *P. perpusilla* (Winnertz, 1870). DR: Nås, Gräsberget 1.VII 1♂. – *Acoenonia europea* Mamaev, 1964. SM: Lenhovda 6.VI 3♂♂, 4♀♀. UP: Bladåker, Bennebol 16.VI 1♂.

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Sammanfattning

I samband med besök på olika lokaler i södra och mellersta Sverige 1993 insamlades 25 för landet nya arter av gallmyggor. Dessa anges tillsammans med fyndlokaler och fynddatum.

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