

SAWFLIES FROM THE SĂLAJ COUNTY OF ROMANIA (HYMENOPTERA: SYMPHYTA)

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ABSTRACT: A total of 38 sawfly species (Hymenoptera: Symphyta) were captured in the two years of 2014–2015 in the Sălaj County of Romania. Most of the species are fairly common far and wide in Transylvania.

Keywords: faunistics, Transylvania

INTRODUCTION:

In 2014–2015 a faunistical survey was carried out in Sălaj County (Romania) by the Hungarian Natural History Museum (HNHM) and the "Vasile Goldiș" Western University of Arad. All specimens listed here were collected within the framework of this co-operation.

The material was mostly collected in the months of May, June and July, consequently the early and the late species are badly missing from the list below.

The identification was based on Enslin (1918), Móczár *et al.* (1973), and Zombori (1982, 1990, 2016).

Collecting data are given in the list below, following in the main Gubányi's paper about collecting sites published in this volume. Collectors' names are abbreviated in the list as: AGr – Aranka Grabant, AGu – András Gubányi, AK – Attila Kenéz, AO – András Orosz, AP – Attila Podlussány, GP – Gellért Puskás, LR – László Ronkay, MT – Mária Tóth, OM – Ottó Merkl, PS – Péter G. Sulyán, VSz – Viktória Szőke, ZE – Zoltán P. Erőss, ZS – Zoltán Soltész, ZV – Zoltán Vas.

All specimens are deposited in the HNHM Hymenoptera Collection.

RESULTS AND DISCUSSION:

Below I list the sawfly species recorded from Sălaj County in 2014–2015.

Argidae

Arge ciliaris (Linnaeus, 1767)

1 ♀, 1 ♂: 195: Dealurile Crasnei (Krasznamentidombság), Aghireș (Egrespatak), dry sward, 13.05.2015, N47.157° E22.994°; sweeping, beating, AGr, OM, AP & VSz.

Arge cyanocrocea (Förster, 1771)

1 ♀: 197: Dealurile Crasnei (Krasznamentidombság), Vârșoț (Varsolc), near Vârșoț Reservoir, 13.05.2015, N47.177° E22.889°; sweeping, AGr, OM, AP & VSz.

Tenthredinidae

Selandriinae

Athalia bicolor Lepeletier, 1823

1 ♀: 161: Dealurile Sălajului (Szilágymentidombság), Derșida (Kisderzsida), pasture, 10.05.2015, N47.398° E22.814°; sweeping, AGr, OM, AP & VSz. – 1 ♀: 165: Culoarul Someșului (Szamos völgye), Surduc (Szurduc), pasture, 11.05.2015, N47.291° E23.374°; sweeping, beating, AGr, OM, AP & VSz.

Athalia cordata Lepeletier, 1823

1 ♀: 165: Culoarul Someșului (Szamos völgye), Surduc (Szurduc), pasture, 11.05.2015, N47.291° E23.374°; sweeping, beating, AGr, OM, AP & VSz. – 7 ♂♂: 171: Culoarul Someșului (Szamos völgye), Cliț (Csűrfa), hornbeam-oak forest, 11.05.2015, N47.284° E23.439°; sweeping, AGr, OM, AP & VSz. – 3 ♂♂: 184: Munții Meseșului (Meszes-hegység), Poic, wet meadow, 12.05.2015, N46.98° E22.925°; sweeping, AGr, OM, AP & VSz.

Athalia liberta (Klug, 1815)

1 ♂: 73: Dealurile Crasnei (Krasznamentidombság), Șimleu Silvaniei (Szilágyosmlyó), 05.06.2014, N47.237° E22.804°; sweeping, hand collecting, AO, GP, ZS & MT.

Athalia rosae (Linnaeus, 1758)

1 ♂: 58: Dealurile Crasnei (Krasznamentidombság), Crasna (Kraszna), Vârșoț (Varsolc) Reservoir, 02.06.2014, N47.178° E22.908°; sweeping, hand collecting, UV light trap, AO, GP, ZS & MT.

Empria baltica Conde, 1937

1 ♀: 184: Munții Meseșului (Meszes-hegység), Poic, wet meadow, 12.05.2015, N46.98° E22.925°; sweeping, AGr, OM, AP & VSz.

Endelomyia aethiops (Gmelin, 1790)

1 ♀: 171: Culoarul Someșului (Szamos völgye), Cliț (Csűrfa), hornbeam-oak forest, 11.05.2015, N47.284° E23.439°; sweeping, AGr, OM, AP & VSz.

Hoplocampa crataegi (Klug, 1816)

1 ♀: 167: Culoarul Someșului (Szamos völgye), Surduc (Szurduc), pasture, 11.05.2015, N47.291° E23.374°; hand collecting, AGr, OM, AP & VSz.

Monostegia abdominalis (Fabricius, 1798)

1 ♀: 236: Dealurile Crasnei (Krasznamentidombság), Crasna (Kraszna), near Vârșoț (Varsolc) reservoir, willows and wet meadow, 15.07.2015, N47.1776° E22.8891°; hand collecting, sweeping, flight intercept trap, PS & ZV.

Nesoselandria morio (Fabricius, 1781)

1 ♀: 184: Munții Meseșului (Meszes-hegység), Poic, wet meadow, 12.05.2015, N46.98° E22.925°; sweeping, AGr, OM, AP & VSz. – 2 ♂♂: 248: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Barcău (Berettyó) springs, wet pasture, 16.07.2015, N47.0196° E22.7519°; hand collecting, sweeping, ZE, AK, PS & ZV.

Stromboceros delicatulus (Fallén, 1808)

1 ♀: 61B: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), 03.06.2014, N47.111° E22.659°; sawpwing, hand collecting, AO, GP, ZS & MT.

Dolerinae

Dolerus aericeps C. G. Thomson, 1871

1 ♂: 248: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), Barcău (Berettyó) springs, wet pasture, 16.07.2015, N47.0196° E22.7519°; hand collecting, sweeping, ZE, AK, PS & ZV.

Dolerus germanicus (Fabricius, 1775)

1 ♀: 165: Culoarul Someșului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; sweeping, beating, AGr, OM, AP & VSz. – 7 ♀♀: 167: Culoarul Someșului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; hand collecting, AGr, OM, AP & VSz.

Dolerus liogaster C. G. Thomson, 1871

2 ♀♀: 167: Culoarul Someșului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; hand collecting, AGr, OM, AP & VSz.

Dolerus nigratus (O. F. Müller, 1776)

1 ♀: 171: Culoarul Someșului (Szamos völgye), Cliț (Csúrfalva), hornbeam-oak forest, 11.05.2015, N47.284° E23.439°; sweeping, AGr, OM, AP & VSz.

Dolerus picipes (Klug, 1818)

1 ♀: 161: Dealurile Sălajului (Szilágymenti-dombság), Derșida (Kisderzsida), pasture, 10.05.2015, N47.398° E22.814°; sweeping, AGr, OM, AP & VSz.

Blennocampinae

Eutomostethus ephippium (Panzer, 1798)

1 ♂: 165: Culoarul Someșului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; sweeping, beating, AGr, OM, AP & VSz. – 1 ♀: 184: Munții Meseșului (Meszes-hegység), Poic, wet meadow, 12.05.2015, N46.98° E22.925°; sweeping, AGr, OM, AP & VSz. – 1 ♂: 201: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), Mlaștina de la Iaz, pasture, 13.05.2015, N47.11° E22.659°; sweeping, hand collecting, AGr, OM, AP & VSz.

Monophadnus pallescens (Gmelin, 1790)

1 ♀: 184: Munții Meseșului (Meszes-hegység), Poic, wet meadow, 12.05.2015, N46.98° E22.925°; sweeping, AGr, OM, AP & VSz.

Stethomostus fuliginosus (Schrank, 1781)

1 ♂: 62: Munții Plopiș (Réz-hegység), Tusa (Tuszatelke), above the village, at Barcău (Berettyó) springs, 03.06.2014, N47.02° E22.749°; sweeping, hand collecting, AO, GP, ZS & MT. – 1 ♂: 197: Dealurile Crasnei (Krasznamenti-dombság), Vârșoț (Varsolc), near Vârșoț Reservoir, 13.05.2015, N47.177° E22.889°; sweeping, AGr, OM, AP & VSz.

Tenthredininae

Aglaostigma aucupariae (Klug, 1817)

1 ♀: 197: Dealurile Crasnei (Krasznamenti-dombság), Vârșoț (Varsolc), near Vârșoț Reservoir, 13.05.2015, N47.177° E22.889°; sweeping, AGr, OM, AP & VSz.

Macrophya diversipes (Schrank, 1782)

1 ♀: 68A: Munții Meseșului (Meszes-hegység), Pria (Perje), SW slope of Vf. Măgura Priei (Perjei csúcs), 04.06.2014, N47.007° E22.9°; sweeping, hand collecting, AO, GP, ZS & MT.

Macrophya duodecimpunctata (Linnaeus, 1758)

1 ♀: 165: Culoarul Someșului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; sweeping, beating, AGr, OM, AP & VSz. – 1 ♂: 197: Dealurile Crasnei (Krasznamenti-dombság), Vârșoț (Varsolc), near Vârșoț Reservoir, 13.05.2015, N47.177° E22.889°; sweeping, AGr, OM, AP & VSz.

Macrophya montana (Scopoli, 1763)

4 ♀♀, 1 ♂: 201: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), Mlaștina de la Iaz, pasture, 13.05.2015, N47.11° E22.659°; sweeping, hand collecting, AGr, OM, AP & VSz. – Remark: It is highly interesting to find a sawfly specimen with any kind of teratological disfiguration. In the present lot one of the female specimens is furthermore outstanding since its labrum is deformed (Fig. 1.). Usually the legs, the venation of wings are affected by this freak.



Fig. 1. *Macrophya montana* (Scopoli, 1763), female, with deformed labrum.

Pachyprotasis rapae (Linnaeus, 1767)

1 ♀: 69: Munții Meseșului (Meszes-hegység), 2.5 km SW of Huta (Csákyújfalu), at Poicu Stream, 04.06.2014, N46.986° E22.917°; sweeping, hand collecting, AO, GP, ZS & MT. – 2 ♂♂: 184: Munții Meseșului (Meszes-hegység), Poic, wet meadow, 12.05.2015, N46.98° E22.925°; sweeping, AGr, OM, AP & VSz.

Tenthredo campestris Linnaeus, 1758

1 ♀: 178: Munții Meseșului (Meszes-hegység), Huta (Csákyújfalu), beech forest, 12.05.2015, N46.999° E22.92°; hand collecting, AGr, OM, AP & VSz.

Tenthredo zonula Klug, 1817

1 ♀: 68A: Munții Meseșului (Meszes-hegység), Pria (Perje), SW slope of Vf. Măgura Priei (Perjei csúcs), 04.06.2014, N47.007° E22.9°; sweeping, hand collecting, AO, GP, ZS & MT. – 1 ♀: 167: Culoarul Someșului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; hand collecting, AGr, OM, AP & VSz. – 1 ♀: 201: Munții Plopiș (Réz-hegység), Iaz (Krasznajáz), Mlaștina de la Iaz, pasture, 13.05.2015, N47.11° E22.659°; sweeping, hand collecting, AGr, OM, AP & VSz.

Tenthredopsis friesei (Konow, 1884)

1 ♀: 195: Dealurile Crasnei (Krasznamenti-dombság), Aghireș (Egrespatak), dry sward,

13.05.2015, N47.157° E22.994°; sweeping, beating, AGr, OM, AP & VSz.

Tenthredopsis nassata (Linnaeus, 1767)

1 ♀: 195: Dealurile Crasnei (Krasznamentidomság), Aghireş (Egrespatak), dry sward, 13.05.2015, N47.157° E22.994°; sweeping, beating, AGr, OM, AP & VSz.

Tenthredopsis tischbeinii (Frivaldszky, 1876)

1 ♂: 57: Dealurile Crasnei (Krasznamentidomság), Crasna (Kraszna), Vârşoţ (Varsole) Reservoir, 2.06.2014, N47.177° E22.889°; sweeping, hand collecting, pitfall traps, AO, GP, ZS & MT.

Nematinae

Nematus sp.

1 ♀: 264: Munţii Meseşului (Meszes-hegység), Poic, marshy meadow, 08.09.2015, N46.984929° E22.920089°; sweeping, leaf-hoover, AGu, AO, LR & MT.

Pristiphora laticis (Hartig, 1837)

1 ♀: 248: Munţii Plopiş (Réz-hegység), Tusa (Tuszatelke), Barcău (Berettyó) springs, wet pasture, 16.07.2015, N47.0196° E22.7519°; hand collecting, sweeping, ZE, AK, PS & ZV.

Pristiphora melanocarpa (Hartig, 1840)

1 ♀, 1 ♂: 195: Dealurile Crasnei (Krasznamentidomság), Aghireş (Egrespatak), dry sward, 13.05.2015, N47.157° E22.994°; sweeping, beating, AGr, OM, AP & VSz.

Cephididae

Calameuta haemorrhoidalis (Fabricius, 1781)

1 ♂: 162: Dealurile Sălajului (Szilágymentidomság), Borla (Szilágyballa), abandoned arable land, 10.05.2015, N47.265° E22.938°; sweeping, AGr, OM, AP & VSz.

Calameuta pallipes (Klug, 1803)

1 ♀: 165: Culoarul Someşului (Szamos völgye), Surduc (Szurduk), pasture, 11.05.2015, N47.291° E23.374°; sweeping, beating, AGr, OM, AP & VSz. – 2 ♂♂: 201: Munţii Plopiş (Réz-hegység), Iaz (Krasznajáz), Mlaştina de la Iaz, pasture, 13.05.2015, N47.11° E22.659°; sweeping, hand collecting, AGr, OM, AP & VSz.

Cephus gracilis A. Costa, 1860

1 ♂: 161: Dealurile Sălajului (Szilágymentidomság), Derşida (Kisderzsida), pasture, 10.05.2015, N47.398° E22.814°; sweeping, AGr, OM, AP & VSz.

Cephus infuscatus C. G. Thomson, 1871

1 ♂: 66: Munţii Meseşului (Meszes-hegység), 1 km E of Huta (Csákyújfalu), 04.06.2014, N47.015° E22.963°; sweeping, hand collecting, AO, GP, ZS & MT.

Cephus runcator Konow, 1896

2 ♂♂: 66: Munţii Meseşului (Meszes-hegység), 1 km E of Huta (Csákyújfalu), 04.06.2014, N47.015° E22.963°; sweeping, hand collecting, AO, GP, ZS & MT.

The identification of this small number of a meagre 38 species resulted only in a few interesting species, like *Empria baltica*, *Tenthredopsis tichbeinii*, *Cephus*

infuscatus and *C. runcator*, although neither of them is a great rarity in Transylvania.

CONCLUSIONS:

To concentrate on the fauna of a specific territory of any country is a good adventure. It would be advisable to make further collectings in the Sălaj County, too. If it is granted perhaps the early months and those of late summer and autumn should also be included in the future ventures.

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