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SAWFLIES (HYMENOPTERA: SYMPHYTA) IN THE COLLECTIONS OF THE SLOVENIAN MUSEUM OF NATURAL HISTORY

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Abstract – Sawflies are present in almost all types of habitats in Europe and although their numbers may not be as large as the other Hymenoptera, they are important in ecosystems and very diverse group of insects. As the area of Slovenia belongs to four zoogeographic regions, there are good possibilities for a diverse sawfly population to flourish. Since Slovenia has a long history of entomology, many collectors contributed sawflies to the collection of the Slovenian Museum of Natural History. The oldest specimen is *Arge cyaneocrocea* found by Mate Hafner in 1919. Beside Mate Hafner the other collectors were Dr. Jože Staudacher, Dr. Evgen Jaeger, Tauber, Josip Stussiner, Savo Brelj and Rudolf Rakovec. 71 species of sawflies from these collections belong to five families: Siricidae, Cimbicidae, Cephidae, Argidae, and Tenthredinidae. Unfortunately, some specimens are in too bad condition to undoubtedly determine the species, and some specimens could not be considered because the localities were written by codes that could not be decoded.

KEY WORDS: Sawflies, Hymenoptera, Symphyta, fauna

Izvleček – RASTLINSKE OSE (HYMENOPTERA: SYMPHYTA) IZ ZBIRK PRIRODOSLOVNEGA MUZEJA SLOVENIJE

Rastlinske ose so prisotne v skoraj vseh habitatnih tipih v Evropi. Čeprav njihova številčnost ni tako visoka kot pri ostalih kožekrilcih (Hymenoptera), predstavljajo rastlinske ose pomemben člen v ekosistemu in so zelo raznolika skupina žuželk. Ozemlje Slovenije pripada štirim zoogeografskim regijam in to ponuja

velike možnosti za razvoj raznovrstne favne rastlinskih os. V Sloveniji je dolga tradicija entomoloških raziskovanj in mnogi zbiratelji so prispevali gradivo rastlinskih os v zbirko Prirodoslovnega muzeja Slovenije. Najstarejši primerek, ki pripada vrsti *Arge cyaneocrocea*, je leta 1919 zbral Mate Hafner. Poleg njega so gradivo prispevali še dr. Jože Staudacher, dr. Evgen Jaeger, Tauber, Josip Stussiner, Savo Brelih in Rudolf Rakovec. V zbirkah smo našli 71 vrst rastlinskih os, ki jih uvrščamo v pet družin: lesne ose (Siricidae), betičaste ose (Cimbicidae), steblikarice (Cephididae), argide (Argidae) in listarice (Tenthredinidae). Žal so nekateri primerki v preslabem stanju za nedvoumno določitev vrste, nekateri pa na listkih nimajo zapisanih lokalitet ali pa so namesto lokalitet uporabljene šifre, ki jih nismo uspeli razvozlati.

KLJUČNE BESEDE: rastlinske ose, Hymenoptera, Symphyta, favna

Introduction

Sawflies (Hymenoptera, Symphyta) are very diverse suborder of wasps, which live in different habitats and have many distinct morphological forms. Unlike members of the hymenopteran suborder Apocrita that have a structure known as a „wasp-waist“, symphytans have conjoint thorax and abdomen. Because of this characteristic they are thought to be more primitive than wasps from the other suborder. The other important morphological difference is their saw-like female ovipositor, which they use to cut through tissue of the plants and lay their eggs.

When parasitic larvae hatch out they feed on host plant, damaging different plant organs (making scares on leaves, roots, bark, leaf rolling, gall formation etc.). Free-living larvae look like Lepidoptera caterpillars, except for more pairs of false legs and eyes. The next stage of development is prepupal stage in which they form a cocoon in galls, leaf litter, attached on living plants or in other places. A pupa forms from the prepupa, and from pupa emerges the adult. Since humidity is important for the development of the adult sawflies, number of adults is fluctuating from year to year. This is important not only for pollinating species, but for parasitic as well, because in some years the overgrowth of populations may have significant influence in agriculture, farming and forestry. Adults feed on flowers (they eat pollen, nectar, petals), or are carnivorous.

Sawflies are usually bad flyers and will not fly in unsuitable weather conditions, unlike some other Hymenoptera (like bumblebees).

Sawflies can be found in different habitats, from open fields, brush, forest edge and forests to orchards, farms and other man-made habitats.

The Sawfly fauna of Slovenia is poorly known. There are records for some of the species from these authors: Jež, 1986; Jurc, 1996 and 2001; Janežič, 1989; Taeger and Blank, 2002.

The aim of this study is to redetermine specimens in the collections of the Slovenian Museum of Natural History and the taxonomy of this diverse and yet understudied group of insects.

Material and Methods

The examined material is from two different collections. The first one is Mate Hafner's collection, given to the Slovenian Museum of Natural History in fine state of preservation. The second one is Dr. Evgen Jaeger's collection in which all the other collectors' specimens are also included.

The material is determined according to Čingovski (1985) and Vasilev (1978).

The oldest sawfly specimen from the collections of the Slovenian Museum of Natural History, Ljubljana, Slovenia (PMSL) dates as far as 1919, when the first specimen of *Arge cyaneocrocea* was collected by Mate Hafner. Since his collection was sent right into the museum it remained well preserved, with good colouring and without infestation of any kind (meaning fungi and larvae of *Anthrenus*). The species found in this collection are: *Arge cyaneocrocea*, *A. nigripes*, *A. melanochra*, *Cimbex femoratus*, *Abia mutica*, *Tenthredo notha*, *T. crassa*, *T. bifasciata*, *T. mesomelas*, *T. schaefferi*, *T. temula*, *T. vespa*, *T. zonula*, *Loderus eversmanni*, *Strongylogaster multifasciata*, *Macrophya blanda* and *M. montana*. More data for every specimen is presented in the chapter "Results".

Next contribution to PMSL was material from the collection of Dr. Evgen Jaeger. Unfortunately, this material was contaminated due to exposure to air, sun, or poor maintenance of some kind, so a lot of specimens lost their original shape and colour, making them very hard to determine. Species recognized are: *Urocerus gigas*, *Abia sericea*, *Corynis lateralis*, *Megalodontes cephalotes*, *Cephus haemorrhoidalis*, *C. pygmaeus*, *Arge berberidis*, *A. pagana*, *A. rosae*, *A. frivaldskyi*, *A. cyaneocrocea*, *Arge* sp., *Athalia rosae*, *A. liberta*, *A. cornubiae*, *Eriocampa ovata*, *Selandria cinereipes*, *Taxonus* sp., *Allanthus cinctus*, *A. didymus*, *Pseudotaxonus filicis*, *Strongylogaster multifasciata*, *Priophorus tener*, *Pachynematus obductus*, *P. clitellatus*, *P. albipennis*, *Pristiphora conjugata*, *P. melanocarpa*, *Hoplocampa brevis*, *H. testudinea*, *Lygaenomatus* sp., *Loderus testudinea*, *L. palmatus*, *L. vestigialis*, *Dolerus puncticolis*, *D. niger*, *Rhogaster picta*, *R. viridis*, *Tenthredopsis stigma*, *T. scutellaris*, *T. tarsata*, *T. floricola*, *T. sordida*, *Sciapteryx consobrina*, *Macrophya montana*, *M. militaris*, *M. duodecimpunctata*, *M. sanguinolenta*, *M. albipuncta*, *M. albicincta*, *M. blanda*, *Pachyprotasis rapae*, *Tenthredo campestris*, *T. mesomelas*, *T. temula*, *T. atra*, *T. notha*, *T. costata*, *T. albicornis*, *T. zonula*, *T. arcuata*, and two different species from genus *Tenthredo* marked as *Tenthredo* sp. (I) and *Tenthredo* sp. (II).

Few collectors gave smaller contributions and their specimens are placed together with Dr. Evgen Jaeger's collection. Dr. Jože Staudacher has contributed only two species in the collection: *Urocerus gigas* and *U. augur*, Tauber has only one specimen of the species *Athalia liberta*, while Savo Brelih and Rudolf Rakovec both contributed one specimen of *Urocerus gigas*. More important is contribution of Josip Stussiner: *Cephus pygmaeus*, *Arge berberidis*, *A. rosae*, *Selandria cinereipes*, *Rhogaster picta*, *Tenthredopsis sordida* and *T. temula*.

Some labels didn't have collectors names and specimens that have these sort of labels are: *Urocerus gigas*, *Xeris spectrum*, *Sirex juvencus*, *Syrista parreyssii*, *Arge berberidis*, *Strongylogaster multifasciata*, *Pristiphora conjugata*, *Dolerus nigratus*, *Rhogaster punctulata*, *Macrophya* sp., *Tenthredo atra*, *T. frauenfeldi* and *T. limbata*.

Results

In the taxonomic survey followed below we give in the first column number of males and females, followed by exact locality, in brackets the locality written at the label, UTM coordinates, altitude, date written on the label, collector name and the collection in the brackets. The abbreviated state is followed by the major localities (the province, mountain, etc.) and with the exact finding site. If separated by a comma (,), the exact locality is situated close to the major one (e.g. Maribor, Mariborsko Pohorje). If separated by a colon (:), the finding site is situated at the major locality or represents its component (e.g. Korčula island: Vela Luka). Especially in Dr. Evgen Jaeger's collection the labels give some abbreviations for the localities: **gr** – Podčetrtek, Sotla river; **n** – N of Podčetrtek; **nw** – NW of Podčetrtek; **ol** – Podčetrtek, Olimje; **p** – Podčetrtek; **rai** – Tržišče, Rajnkovec; **s.st** – Grobelce, Sveti Štefan; **schl** – Podčetrtek, grad Podčetrtek; **sot** – Podčetrtek, Sotla river; **top** – Podčetrtek, Terme Olimia; **tro** – Podčetrtek, Olimje, Trobevnik; **von** – Sodna vas, Vonarje; **zib** – Zibika; and **zus** – Dobrina, Žusem, but we were not able to find out the interpretation of abbreviations: **k**, **sil**, **sl**, **st**, **zg**, and **zub**.

Taxonomic survey of the species and subspecies

SIRICIDAE

Urocerus gigas (Linnaeus, 1758)

- 1 ♀ SLO: Maribor, Mariborsko Pohorje (Pohorje); WM45; 800 m; 9.VII 1950 (ex. coll. E. Jaeger)
 1 ♀ BH: Han Pijesak (Bosna / Han Pijesak); 24.VII 1949 (ex. coll. E. Jaeger)
 1 ♀ 16.VI 1931; leg.: N.R. Rakovec (ex. coll. E. Jaeger)
 2 ♀ 31.VIII 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 3 ♀ VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ 2.III 1944; leg.: Dr. Staudacher (ex. coll. E. Jaeger)
 1 ♀ 25.V 1944; leg.: Dr. Staudacher (ex. coll. E. Jaeger)
 1 ♀ 20.VII 1944; leg.: Dr. Staudacher (ex. coll. E. Jaeger)

Urocerus augur (Klug, 1803)

- 1 ♀ BH: Han Pijesak (Bosna / Han Pijesak); 30.VII 1949; leg.: S. Brelih (ex. coll. E. Jaeger)
 1 ♀ 19.VIII 1944; leg.: Dr. Staudacher (ex. coll. E. Jaeger)

Sirex noctilio (Fabricius, 1793)

- 1 ♀ 30.VII 1944; leg.: Dr. Staudacher (ex. coll. E. Jaeger)

Sirex juvencus (Linnaeus, 1758)

- 1 ♀ III 1939 (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

Xeris spectrum (Linnaeus, 1758)

4 ♀ BH: Han Pijesak (Bosna / Han Pijesak); 24.VII 1949 (ex. coll. E. Jaeger)

C I M B I C I D A E

Abia mutica (C. G. Thomson, 1871)

1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 5.VII 1938; leg.: M. Hafner (ex. coll. M. Hafner)

2 ♂, 2 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 20.VII 1940; leg.: M. Hafner (ex. coll. M. Hafner)

Abia sericea (Linnaeus, 1767)

1 ♀ SLO: Sodna vas, Vonarje (von); WM40; 210 m; 31.VII 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Corynis lateralis (Brulle, 1832)

1 ♀ HR: Korčula island: Vela Luka (Velaluka / Kurzola); XH45; 10 m; 1-15.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♀ MK: Skopje, Mt. Vodno (Makedonija / Vodno); EM34; 560 m; 6.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Cimbex femoratus (Linnaeus, 1758)

1 ♂ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 25.III 1938; leg.: M. Hafner (ex. coll. M. Hafner)

M E G A L O D O N T E S I D A E

Megalodontes cephalotes (Fabricius, 1781)

1 ♂ SLO: (zub) interpretation of abbreviation unknown; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

C E P H I D A E

HARTIGINAE

Syrista parreyssii (Spinola, 1843)

1 ♀ SLO: Mt. Slavnik (Slavnik); VL14; 1020 m; 9.VI 1950 (ex. coll. E. Jaeger)

C E P H I N A E

Cephus haemorrhoidalis (Fabricius, 1781)

4 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

♀ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

♂ SLO: Podčetrtek (p); WM41; 220 m; 26.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

5 ♂, 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Cephus pygmaeus (Linnaeus, 1767)

- 2 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 21.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 11.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Podčetrtek (p); WM41; 220 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂, 2 ♀ SLO: Podčetrtek, Terme Olimia (top); WM41; 210 m; 21.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 8.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 13.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje, Pčinja, river Vardar (Makedonija, Pčinja, Vardar); EM53; 270 m; 13.IV 1936; leg.: Stussiner (ex. coll. E. Jaeger)
 1 ♂ MK: Skopje (Skopje); EM34; 270 m; 27.V 1936; leg.: Stussiner (ex. coll. E. Jaeger)

Cephus nigrinus Thomson, 1871

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

ARGIDAE***Arge melanochra*** (Gmelin, 1790)

- 3 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; 22.VII 1937; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; 13.VIII 1939; leg.: M. Hafner (ex. coll. M. Hafner)

Arge berberidis (Schrank, 1802)

- 1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 15.VII 1937; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 25.V 1934; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 29.VI 1924; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Ukanc, Triglav National Park (Bohinj / N. P.); VM02/03; 600-1000 m; 5.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Zatrnik, Vrtača (Bohinj / Vrtača); VM23; 1030 m; VI 1923; leg.: M. Hafner (ex. coll. M. Hafner)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♀ SLO: Stara Fužina, Planina Krstenica (Julijske Alpe / Krstenica); VM13; 1740 m; VI 1927; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Stara Fužina, Planina Krstenica (Julijske Alpe / Krstenica); VM13; 1740 m; VII 1937; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Ljubljana (Ljubljana); WM60; 300 m; 25.V 1941 (ex. coll. E. Jaeger)
 1 ♀ SLO: Ježica (Ježica); VM60; 300 m; 29.VI 1928; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Maribor (Maribor); WM55; 270 m; 20.IV 1947; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 21.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 3.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 2.VIII 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; 22.VII 1937; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂ MK: Skopje, Mt. Vodno (Makedonija / Vodno); EM34; 560 m; 6.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ leg.: Stussiner (ex. coll. E. Jaeger)

Arge pagana (Panzer, 1798)

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 21.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 28.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 22.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: NW of Podčetrtek (nw); WM41; 240 m; 12.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ MK: Skopje, Mt. Vodno (Makedonija / Vodno); EM34; 560 m; 6.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Arge rosae (Linnaeus, 1758)

- 1 ♀ SLO: Ljubljana (Ljubljana); WM60; 300 m; 10.VI 1943; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 9.VIII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ HR: Korčula island: Vela Luka (Velaluka / Kurzola); XM45; 10 m; 1-15.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ GR: Thessalia (Thessalia); 1984; leg.: Stussiner (ex. coll. E. Jaeger)

Arge frivaldskyi (Tischbein, 1852)

2 ♀ MK: Skopje (Skopje); EM34; 270 m; 12.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Arge sp.

1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 22.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♀ MK: Skopje (Skopje); EM34; 270 m; 27.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Arge cyanocrocea (Forster, 1771)

1 ♂, 1 ♀ SLO: (k) interpretation of abbreviation unknown; 14.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♂ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 15.V 1934; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♀ SLO: Stara Fužina, Planina Krstenica (Julijske Alpe / Krstenica); VM13; 1740 m; VI 1927; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♂ SLO: Julijske Alpe, Lubrik (Julijske Alpe / Lubrik); 25.VII 1926; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♂ SLO: Ljubljana (Ljubljana); WM60; 300 m; 4.VII 1924; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♂ SLO: Ljubljana (Ljubljana); WM60; 300 m; 9.VIII 1925; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♀ SLO: Rašica (Ljubljana, okol. Rašica); VL77; 500 m; 9.V 1923; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♂ SLO: Medvode, Preska, Vaše (Ljubljana okol. Vase); VM51; 330 m; 15.VI 1924; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♀ SLO: Mt. Kum (Carniola / Kum); WM00; 1220 m; 19.VI 1919; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 28.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♀ SLO: NW of Podčetrtek (nw); WM41; 240 m; 19.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

3 ♂, 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 21.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; 24.VI 1934; leg.: M. Hafner (ex. coll. M. Hafner)

1 ♀ MK: Gostivar, Balin Dol (Balina); DM92; 510 m; 28.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

1 ♂ MK: Skopje, Mt. Vodno (Makedonija / Vodno); EM34; 560 m; 21.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

TENTHREDINIDAE SELANDRINAE

Athalia rosae (Linnaeus, 1758)

- 1 ♂ SLO: Ljubljana (Ljubljana); WM60; 300 m; 12.V 1943; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 23.VIII 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 4.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); 31.VIII 1937; WM41; 220 m; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (STYR. Podčetrtek); WM41; 220 m; 11.VI 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek); WM41; 220 m; 16.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 26.VIII 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Athalia liberta (Klug, 1815)

- 1 ♂ SLO: NW of Podčetrtek (nw); WM41; 240 m; 19.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek); WM41; 220 m; 6.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek); WM41; 220 m; 11.VI 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 9.VIII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ RS: Subotica (Subotica); CS90; 115 m; 22.IX 1938; Taubert (ex. coll. E. Jaeger)
 1 ♀ 1-10.VIII 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Athalia cornubiae Benson, 1931

- 1 ♂ SLO: (k) interpretation of abbreviation unknown; 12.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Mt. Ratitovec (Ratitlovec); WM22/32; 1600 m; 4.VI 1950; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 20.VIII 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: NW of Podčetrtek (nw); WM41; 240 m; 19.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10-20.VI 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 22.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 5.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje, Pčinja, river Vardar (Makedonija, Pčinja, Vardar); EM53; 250 m; 13. IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Eriocampa ovata* (Linnaeus, 1761)**

- 1 ♀ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 20.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Selandria cinereipes* (Klug, 1816)**

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 10-20.VI 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (STYR: Podčetrtek p); WM41; 250 m; 19.VII 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 19.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ HR: Korčula island: Vela Luka (Velaluka / Kurzola); XH45; 10 m; 1-15.VI 1938; leg.: Stussiner (ex. coll. E. Jaeger)

***Taxonus* sp.**

- 1 ♀ SLO: Cerklje ob Krki (Cerklje); WL48; 150 m; 16.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Allantus cinctus* (Linnaeus, 1758)**

- 1 ♂ SLO: Logarska dolina valley; Okrešelj (Okreselj); VM62; 1380 m; 25.VII 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Ohrid (Makedonija / Ohrid); DL85; 690 m; 19. IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Allantus didymus* (Klug, 1818)**

- 1 ♂ SLO: (k) interpretation of abbreviation unknown; 12.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: NW of Podčetrtek (nw); WM41; 240 m; 19.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♂ HR: Korčula island: Vela Luka (Velaluka / Kurzola); XH45; 10 m; 1-15.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje (Skopje); EM34; 270 m; VI 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Strongylogaster filicis* (Klug, 1817)**

- 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 22.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 13.IX 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1♂, 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Strongylogaster multifasciata* (Geoffroy, 1785)**

- 1 ♀ SLO: Ljubljana, Rožnik (Rožnik); WM50; 340 m; V 1943 (ex. coll. E. Jaeger)
 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 26.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek); WM41; 220 m; V 1932; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 11.VI 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 23.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 25.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; 22.V 1932; leg.: M. Hafner (ex. coll. M. Hafner)

BLENNOCAMPINAE

***Monophadnus* sp. or *Tomostethus* sp. (I)**

- 1 ♀ SLO (Carniolia); leg.: Stussiner (ex. coll. E. Jaeger)
 1 ♂ SLO: (zg) interpretation of abbreviation unknown; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Monophadnus* sp. or *Tomostethus* sp. (II)**

- 1 ♂ SLO: (zg) interpretation of abbreviation unknown; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♀ SLO: (zg) interpretation of abbreviation unknown; 9.VIII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Mt. Vremščica (Vremščca); VL26; 1000 m; 7.V 1950; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 30.III 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: N of Podčetrtek (STYR. Podčetrtek n); WM41; 230 m; 25.IV 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: NW of Podčetrtek (nw); WM41; 240 m; 12.VII 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: NW of Podčetrtek (nw); WM41; 240 m; 19.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♂, 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 11.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 12.III 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♂, 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 19.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 23.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 26.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♂, 3 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 5.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 26.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Monophadnus* sp. or *Tomostethus* sp. (III)**

- 1 ♀ MK: Skopje (Skopje); EM34; 270 m; 23.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♂ SLO: Podčetrtek (p); WM41; 220 m; 19.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podkoren, Korensko sedlo (Korensko sedlo); VM05; 1070 m; 27.VI 1950; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

1 ♀ SLO: Ljubljana (Ljubljana); WM60; 300 m; 15.V 1950; leg. Dr. Jaeger
(ex. coll. E. Jaeger)

***Monophadnus* sp. or *Tomostethus* sp. (IV)**

1 ♂ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1937; leg. Dr. Jaeger
(ex. coll. E. Jaeger)

NEMATINAE

***Cladius brullei* (Dahlborn, 1835)**

1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

***Pachynematus obductus* (Hartig, 1837)**

1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 13.VI 1936; leg. Dr. Jaeger
(ex. coll. E. Jaeger)

1 ♂ SLO: NW of Podčetrtek (nw); WM41; 240 m; 19.VI 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

***Pachynematus clitellatus* (Serville, 1823)**

1 ♂ SLO: Ljubljana, Rožnik (Rožnik); WM50; 340 m; 2.V 1943; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

***Pachynematus albipennis* (Hartig, 1837)**

2 ♀ SLO: (st) interpretation of abbreviation unknown; 14.V 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 13.VI 1936; leg. Dr. Jaeger
(ex. coll. E. Jaeger)

1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1937; leg. Dr. Jaeger (ex. coll.
E. Jaeger)

1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll.
E. Jaeger)

1 ♀ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 13.V 1937; leg. Dr. Jaeger
(ex. coll. E. Jaeger)

***Pristiphora conjugata* (Dahlbom, 1835)**

1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 19.VII 1938; leg. Dr. Jaeger (ex.
coll. E. Jaeger)

1 ♀ SLO: Korošica (ob Korošici); 23.IV 1937 (ex. coll. E. Jaeger)

***Pristiphora melanocarpa* (Hartig, 1840)**

1 ♀ SLO: (zg) interpretation of abbreviation unknown; 1.IV 1936; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

1 ♀ SLO: Podčetrtek (p); 12.III 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Hoplocampa brevis* (Klug, 1816)**

- 1 ♀ SLO: Ljubljana (Ljubljana); WM60; 300 m; 10.IV 1943; leg. Dr. Jaeger
(ex. coll. E. Jaeger)

***Hoplocampa testudinea* (Klug, 1816)**

- 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)
1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

***Lygaeonematus* sp.**

- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 3.VI 1937; leg. Dr.
Jaeger (ex. coll. E. Jaeger)

DOLERINAE***Loderus evermanni* (Kirby, 1882)**

- 1 ♀ SLO: Medvode, Preska (Preska); VM51; 320 m; 4.VI 1929; leg.: M.
Hafner (ex. coll. M. Hafner)
1 ♀ SLO: Črnuče (Črnuče); VM60; 350 m; 1.VI 1927; leg.: M. Hafner (ex.
coll. M. Hafner)
1 ♀ SLO: Brežice (Brežice); WL48, 160 m; IX 1934; leg. Dr. Jaeger (ex. coll.
E. Jaeger)
1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 12.III 1937; leg. Dr. Jaeger (ex.
coll. E. Jaeger)
1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.IV 1933; leg. Dr. Jaeger (ex.
coll. E. Jaeger)
2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 19.VII 1938; leg. Dr. Jaeger (ex.
coll. E. Jaeger)
1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 20.IV 1938; leg. Dr. Jaeger (ex.
coll. E. Jaeger)
4 ♀ SLO: Podčetrtek, Terme Olimia (top); WM41; 210 m; 21.V 1937; leg.
Dr. Jaeger (ex. coll. E. Jaeger)
2 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 9.VIII 1935; leg. Dr.
Jaeger (ex. coll. E. Jaeger)
1 ♀ HR: Hvar island (Hvar); XH28; 50 m; 27.V 1936; leg. Dr. Jaeger (ex.
coll. E. Jaeger)
1 ♀ HR: Korčula island: Vela Luka (Velaluka / Kurzola); XH45; 10 m; 1-
7.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Loderus vestigialis* (Klug, 1818)**

- 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 23.VIII 1933; leg. Dr. Jaeger
(ex. coll. E. Jaeger)
1 ♂ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 16.VIII 1932;
leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♂ SLO: Podčetrtek, Terme Olimia (top); WM41; 210 m; 21.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 13.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 14.VIII 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Dolerus puncticollis* Thomson, 1871**

- 1 ♂ SLO: (zg) interpretation of abbreviation unknown; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 16.IV 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Terme Olimia (STYR. Podčetrtek top); WM41; 210 m; 23.IV 1932; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 2 ♀ MK: Skopje (Skopje); EM34; 270 m; 1.III 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Dolerus nigratus* (Müller, 1776)**

- 1 ♀ SLO: Grobelce, Sveti Štefan (s.st); WM31, 390 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: (zg) interpretation of abbreviation unknown; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: (zg) interpretation of abbreviation unknown; 14.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Kozje, Duplo (Duplo pl.); WM40; 440 m; 22.VII 1950 (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 15.III 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

TENTHREDININAE

***Rhogogaster viridis* (Linnaeus, 1758)**

- 1 ♀ SLO: Brežice (Brezice); 1934; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Rhogogaster picta* (Klug, 1817)**

- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg.: Stussiner (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 12.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Rhogogaster punctulata (Klug, 1817)

- 1 ♂ SLO: Korošica (ob Korošici); 29.V 1950 (ex. coll. E. Jaeger)

Tenthredopsis stigma (Fabricius, 1798)

- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 24.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Terme Olimia (top); WM41; 210 m; 21.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ MK: Ohrid (Makedonija / Ohrid); DL85; 690 m; 19.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje (Skopje); EM34; 270 m; 12.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tenthredopsis scutellaris (Fabricius, 1804)

- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 28.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tenthredopsis tarsata (Fabricius, 1804)

- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ MK: Skopje (Skopje); 14.VIII 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ MK: Skopje (Skopje); 21.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tenthredopsis floricola (A. Costa, 1859)

- 3 ♀ MK: Ohrid (Makedonija / Ohrid); DL85; 690 m; 19.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tenthredopsis sordida (Klug, 1817)

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO (Carniolia); 25.V 1933; leg.: Stussiner (ex. coll. E. Jaeger)
 1 ♀ label without locality; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Sciapteryx consobrina (Klug, 1816)

- 2 ♂, 5 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 30.III 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 3 ♀ SLO: Podčetrtek (p); WM41; 220 m; 12.III 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 4 ♀ SLO: Podčetrtek (p); WM41; 220 m; 15.III 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.III 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje (Skopje); EM34; 270 m; 1.III 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya montana (Scopoli, 1763)

- 1 ♂, 1 ♀ SLO: Tržišče, Rajnkovec (rai); WM42; 240 m; 14.VII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 1 ♀ SLO: Ljubljana (Ljubljana); WM60; 300 m; 26. IV 1947; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 1 ♀ SLO: Ljubljana, surrounding (Ljubljana o.); WM60; 300 m; V 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 2 ♂ SLO: Mt. Lubnik (Lubnik); VM41; 1020 m; 16.VI 1935; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 21.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 3 ♀ SLO: Podčetrtek (p); WM41; 220 m; 24.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 18.VI 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; V 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Sorško polje (Sorško p); VM51; 400 m; 12.V 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂ SLO: Sorško polje (Sorško p); VM51; 400 m; 12.VI 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ MK: Gostivar, Balin Dol (Balina); 6.VI 1936; DM92; 510 m; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♀ MK: Skopje (Skopje); EM34; 270 m; 15.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje, Mt. Vodno (Makedonija / Vodno); EM34; 560 m; 31.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya militaris (Klug, 1817)

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.VI 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya duodecimpunctata (Linnaeus, 1758)

- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 23.VI 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 25.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 26.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr) (STYR. Podčetrtek gr); WM41; 200 m; 30.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya sanguinolenta (Gmelin, 1790)

- 1 ♀ SLO: (sl) interpretation of abbreviation unknown; 20.VI 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 15.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 28.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 31.VII 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 5.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya albicincta (Schrank, 1776)

- 1 ♂ SLO: Korošica (ob Korošici); 29.V 1950; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Podčetrtek (p); WM41; 220 m; 26.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 19.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Dobrina, Žusem (zus); WM31; 590 m; 10.V 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya albipuncta (Fallen, 1808)

- 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 13.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 4.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 10.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 3 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 23.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 5.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 9.VIII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya blanda (Fabricius, 1775)

- 1 ♀ SLO: (k) interpretation of abbreviation unknown; 12.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♀ SLO: (k) interpretation of abbreviation unknown; 14.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 4.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 13.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 21.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 24.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 26.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 5.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 24.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂, 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 5.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Macrophya annullata (Geoffroy, 1785)

- 1 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 11.V 1930; leg.: M. Hafner (ex. coll. M. Hafner)

***Macrophya* sp.**

- 1 ♀ SLO: Mojstrana, Vrata valley (Vrata); VM14; 110 m; 1935 (ex. coll. E. Jaeger)

Pachyprotasis rapae (Linnaeus, 1767)

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 4.VII 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tenthredo campestris (Linnaeus, 1758)

- 1 ♀ SLO: (k) interpretation of abbreviation unknown; 12.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 5 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 20.VIII 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 11.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 17.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 21.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 26.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 5.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo mesomela* Linnaeus, 1758**

- 1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 5.VII 1938; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 25.VII 1940; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂, 3 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 20.VIII 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 4.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 3.VI 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 8.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 3 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 10.VI 1935; leg.: M. Hafner (ex. coll. M. Hafner)

***Tenthredo temula* Scopoli, 1763**

- 3 ♂, 2 ♀ SLO: Ljubljana (Carniolia, Laibach); WM60; 300 m; leg.: Stussiner (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 5.VII 1938; leg.: M. Hafner (ex. coll. M. Hafner)

***Tenthredo atra* Linnaeus, 1758**

- 1 ♂ SLO: Tacen, Mt. Šmarna gora (Šmarna gora); VM51; 660 m; 2.VI 1971 (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, grad Podčetrtek (schl); WM41; 340 m; 11.VIII 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo scrophularie* Linnaeus, 1758**

- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo vespa* Retzius, 1783**

- 2 ♀ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 20.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)

***Tenthredo crassa* Scopoli, 1763**

- 1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 12.VII 1935; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Ukanc, Triglav National Park (Bohinj / N. P.); VM02/03; 600-1000 m; 2.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 ♂ SLO: (sil) interpretation of abbreviation unknown; 4.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 3 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 20.VII 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 5.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo bifasciata* Müller, 1766**

- 1 ♂ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 5.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂ SLO: Ukanc, Triglav National Park (Bohinj / N. P.); VM02/03; 600-1000 m; 5.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Ukanc, Triglav National Park (Bohinj / N. P.); VM02/03; 600-1000 m; 2.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 12.VII 1935; leg.: M. Hafner (ex. coll. M. Hafner)

***Tenthredo schaefferi* Klug, 1817**

- 1 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 28.VIII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 21.VIII 1938; leg.: M. Hafner (ex. coll. M. Hafner)

***Tenthredo notha* Klug, 1817**

- 1 ♀ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 13.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♀ SLO: Grobelce, Sveti Štefan (s.st); WM31; 390 m; 14.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Grobelce, Sveti Štefan (s.st); WM31; 390 m; 7.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Podčetrtek, grad Podčetrtek (schl); WM41; 340 m; 11.VIII 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 9.VI 1938; leg.: M. Hafner (ex. coll. M. Hafner)
- 2 ♀ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 10.VI 1938; leg.: M. Hafner (ex. coll. M. Hafner)
- 1 ♀ SLO: Ukanc, Triglav National Park (Bohinj / N. P.); VM02/03; 600-1000 m; VIII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
- 2 ♀ SLO: Ljubljana (Ljubljana); WM60; 300 m; 15.V 1938; leg.: M. Hafner (ex. coll. M. Hafner)
- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 28.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 4.VI 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 10.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 20.IV 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 24.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂, 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 28.VIII 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 31.VIII 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 3.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 9.VIII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; VIII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
- 1 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 11.IX 1938; leg.: M. Hafner (ex. coll. M. Hafner)
- 1 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 12.VI 1932; leg.: M. Hafner (ex. coll. M. Hafner)
- 1 ♂, 5 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 14.VIII 1932; leg.: M. Hafner (ex. coll. M. Hafner)

- 5 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 21.VIII 1938; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂ SLO: Sorško polje (Sorško polje); VM51; 400 m; 22.V 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 2 ♂, 5 ♀ SLO: Sorško polje (Sorško polje); VM51; 400 m; 28.VIII 1932; leg.: M. Hafner (ex. coll. M. Hafner)

Tenthredo frauenfeldii Girault, 1857

- 1 ♂ SLO: Ljubljana (Ljubljana); WM60; 300 m; 27.IV 1943 (ex. coll. E. Jaeger)

Tenthredo silensis A. Costa, 1859

- 1 ♀ SLO: Trnovo, Prevala, Smrečje (Smrečje, Trnovski gozd); VL09; 1000 m; 21.VII 1973 (ex. coll. E. Jaeger)

Tenthredo costata Klug, 1814

- 2 ♂, 2 ♀ MK: Gostivar, Balin Dol (Balina); 31.V 1936; DM92; 510 m; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♂, 1 ♀ MK: Skopje (Makedonija / Skoplje); EM34; 270 m; 27.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tenthredo zonula Klug, 1817

- 1 ♀ SLO: Ukanc, Triglav National Park (Bohinj / N. P.); VM02/03; 600-1000 m; 2.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♂, 2 ♀ SLO: Podčetrtek (p); WM41; 220 m; 17.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.VI 1955; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 24.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂ SLO: Stara Fužina, Planina Vogar (Bohinj / Vogar pl.); VM12; 1050 m; 2.VI 1938; leg.: M. Hafner (ex. coll. M. Hafner)
 1 ♀ SLO: Stara Fužina, Ribčev laz (Bohinj / Ribičev laz); VM12; 550 m; 5.VII 1932; leg.: M. Hafner (ex. coll. M. Hafner)

Tenthredo solitaria Scopoli, 1763

- 1 ♀ SLO: Grobelce, Sveti Štefan (s.st); WM31; 390 m; 14.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Zibika (zib); 22.V 1937; WM41; 210 m; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 16.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 20.IV 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Tamara Milivojević, Tomi Trilar, Zoran Nikolić: Sawflies (Hymenoptera: Symphyta) in the collections of the Slovenian museum

- 1 ♂ SLO: Podčetrtek (p); WM41; 220 m; 24.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 13.IV 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♂, 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 18.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 8.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 10.V 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo arcuata* Forster, 1771**

- 2 ♀ SLO: (k) interpretation of abbreviation unknown; 12.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: (k) interpretation of abbreviation unknown; 14.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 4.V 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 3 ♀ SLO: Podčetrtek (p); WM41; 220 m; 27.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 29.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 6.VIII 1939; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 24.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Podčetrtek, Sotla river (gr); WM41; 200 m; 3.VI 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 2 ♀ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
 1 ♀ MK: Skopje, Pčinja, river Vardar (Makedonija / Pčinja, Vardar); EM53; 250m; 13.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo* sp. (I)**

- 1 ♀ SLO: Podčetrtek, Olimje, Trobevnik (tro); WM41; 290 m; 20.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)

***Tenthredo* sp. (II)**

- 1 ♀ SLO: (zg) interpretation of abbreviation unknown; 1.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

- 1 ♂ SLO: N of Podčetrtek (n); WM41; 230 m; 19.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: N of Podčetrtek (n); WM41; 230 m; 20.VIII 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (p); WM41; 220 m; 20.IV 1938; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 16.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 19.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Podčetrtek (STYR. Podčetrtek p); WM41; 220 m; 25.V 1933; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ SLO: Podčetrtek, Olimje (ol); WM41; 270 m; 20.V 1937; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Podčetrtek, Olimje, Trobevnik (tro); WM41; 290 m; 17.IV 1934; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 2 ♀ SLO: Podčetrtek, Sotla river (sot); WM41; 200 m; 9.VIII 1935; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♂ SLO: Dobrina, Žusem (zus); WM31; 590 m; 11.V 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)
- 1 ♀ MK: Kočani (Makedonija / Kočani); 5.IV 1936; leg. Dr. Jaeger (ex. coll. E. Jaeger)

Discussion

The sawfly fauna of Slovenia is poorly known. There are published records for these species: *Diprion pini*, *Neodiprion sertifer* and *Acantholyda hieroglyphica* (Jež, 1986; Jurc, 1996 and 2001); *Megalodontes cephalotes*, *M. fabricii*, *M. flabellicornis*, *M. thor*, *Cephalcia hartigii*, *C. masuttii*, *Pamphilius alternans*, *P. aurantiacus*, *Urocerus gigas* (exists in museum collection), *Arge gracilicornis*, *Abia fasciata*, *A. sericea* (exists in m. c.), *Nematus princeps*, *N. lonicerae*, *N. fagi*, *Entomostethus luteiventris*, *Pareophora pruni*, *Dolerus germanicus*, *Dulophanes morio*, *Aglaostigma discolour*, *Macrophya carinthiaca*, *Tenthredo segmentaria*, *T. dahlia*, *T. crassa* (exists in m. c.), *T. frauenfeldii* (exists in m. c.), *T. giraudi*, *T. monozonus*, *T. arcuata* (exists in m. c.), *T. shaefferi* (exists in m. c.), *T. vespa* (exists in m. c.) (Taeger and Blank, 2002).

There are twelve more specimens deposited in the Scientific Hymenoptera Collection of the PMSL, all of different species, collected by Andrej Gogala and determined by Wolfgang Schedl and Andrej Gogala. They belong to seven families: Siricidae - *Tremex fuscicornis* and *Urocerus gigas* (exists in examined material), Tenthredinidae - *Aneugmenus padi* and *Dolerus madidus*, Argidae - *Arge melanochra*, Diprionidae - *Diprion pini*, Cimbicidae - *Abia aenea*, *Cimbex fagi* and *Cimbex femoratus* (exists in examined material), Megalodontesidae - *Megalodontes thor*, Pamphiliidae - *Caenolyda reticulata* and *Neurotoma saltuum* (Gogala Andrej, personal communication).

Taxonomic study of the sawfly collection (PMSL) shows substantial diversity in this suborder. Half of 12 known families are included in this collection: Siricidae (five species), Cimbicidae (four species), Megalodontesidae (one species), Cephidae (four species), Argidae (seven species), and Tenthredinidae (thirtyseven species), and together with already published records of two other families Diprionidae (*D. pini* and *N. sertifer*) and Pamphiliidae (*A. hieroglyphica*), these data represent all of the known sawfly fauna in Slovenia. The most diverse in Slovenia is the family Tenthredinidae, what is in accordance with other diversity studies in nearby regions. We were not able to perform the reliable determination of the specimens from the subfamily Blenocampinae, one of the four subfamilies forming the family Tenthredinidae. We can separate four species with unknown identity (marked as *Monophadnus* sp. or *Tomostethus* sp. I, II, III and IV), while the specimens are in a bad shape or very old. Also the identification keys for this subfamily are not precise enough that authors could agree about morphological features important for determination of the species. Namely, species are dark coloured and it is extremely hard to see small morphological differences, especially on the head. In the future more attention need to be pointed to this subfamily and compared the material with specimens from other collections and with fresh material collected from this area.

Five more species could not be determined: two species of the genus *Tenthredo* (marked as *Tenthredo* sp. I and II), *Taxonus* sp. (Selandrinae), *Arge* sp. (Argidae) and *Lygaeonomatus* sp. (Nematinae), due to bad condition of the specimens.

Thirteen specimens have no locality written on the labels: five of them are from Dr. Jaeger's collection, five from Dr. Jože Staudacher's, two from Josip Stussiner and one from Rudolf Rakovec collection. The initial problem with Dr. Jaeger's collection is that he used abbreviations for the localities and for some of them we are not able to find out the interpretation. We took great effort to decode these abbreviations, but twenty specimen labels have localities that are still a mystery.

Future field collecting will show present condition in this segment of entomofauna and the complete diversity of this group can be revealed then. This important collection will represent a look into the biodiversity of Slovenia until then.

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