

The systematic revision of thysanoptera species from the swedish fauna and their geographical distribution

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Abstract

This paper is the second revision of the Swedish thrips fauna after AHLBERG 1926. The revision updates the generic and the specific denomination of 119 thrips species found in Sweden. This revision of the Swedish fauna of Thysanoptera consists of both a literature review of all published species and a determination of the collections of the Swedish museums. New species to the science were described by LINNAEUS, ZETTERSTEDT and TRYBOM. The first list of Thysanoptera from Sweden was published by TRYBOM 1917 and 1926. AHLBERG published his monograph about Swedish Thysanoptera. After this monograph new species have been published by OETTINGEN, QUICK, ZUR STRASSEN, KOBRO and NEDSTAM. The authors have found 10 new species that have not been published before which are now published with short descriptions separately. The authors also present the scheme of this Order's classification for Swedish Thysanoptera and their geographical distribution.

Keywords: systematic revisoin, Thysanoptera, Swedish fauna

Material and methods

This revision of the Swedish fauna of Thysanoptera consists of both a literature review of all published species and a determination of the collections of the Swedish museums.

The determined thysanopterological material consisted both of samples belonging to the Royal Museum of Stockholm and the Zoological Museum of Lund and of the authors' own collections from different types of terrestrial ecosystems in Sweden.

Introduction

Totally 10 species have been described as new for the science from Sweden and they were described by LINNAEUS, ZETTERSTEDT and TRYBOM.

LINNAEUS (1758, 1761) described four species: *Aeolothrips fasciatus* L., 1758, *Thrips physapus* L., 1758, *Thrips minutissimus* L., 1758 and *Thrips juniperinus* L., 1758.

ZETTERSTEDT (1840) identified two new species: *Taeniothrips picipes* ZETT., 1828 and *Hoplothrips fungi* ZETT., 1828.

TRYBOM (1894, 1896) described four species: *Apterothrips secticornis* TRYB., 1896, *Aptinothrips stylifer* TRYB., 1894, *Chirothrips hamatus* TRYB., 1895 and *Frankliniella intonsa* TRYB., 1895.

The first list of Swedish species was published by TRYBOM in 1917 in which he mentioned

48 valid species from Sweden. One species was described by BAGNALL 1926.

The monograph of the Thysanoptera, published in 1926 by AHLBERG included 71 species, out of which only 69 are considered valid.

After this monograph OETTINGEN (1954) has published 11 valid species and. QUICK has published 18 new species for Sweden 1977. ZUR STRASSEN published 2 species from Sweden 1976 and 1994. NEDSTAM has published two new species from glasshouses 1987 and 1999.

KOBRO published two new species for Sweden 1999 and two new species have been found during this work with the Swedish fauna by VASILIU-OROMULU and LARSSON (in prep.) CEDERHOLM has mainly worked with thrips ecology (CEDERHOLM 1963) but he also collected thrips and he found two species new for Sweden but never published, they are now verified by VASILIU-OROMULU. One species found by OETTINGEN and another three species in the collections that have not been published before is now also verified. One species *Pteridothrips pteridicola* (KARNY, 1914) has been found once in 1999 by NEDSTAM and determined by ZUR STRASSEN.

In the world, there are more than 5100 species (ZUR STRASSEN, 1995). In Europe there are: in Germany 256 species (SCHLIEPHACKE 1976), in ex-Czechoslovakia 230 species (PELIKÁN 1977), in Poland 187 species (ZAWIRSKA 1990) in Spain 249 species (BERZOSA 1993), in Romania 215 species

The order thysanoptera in sweden

Ord. Thysanoptera
S/Ord. Terebrantia
Fam. Aeolothripidae

	Genus	Species	Author's species	First mentioned	Distribution
1.	<i>Aeolothrips</i>	<i>albicinctus</i>	Haliday, 1836	Trybom 1917	PAL
2.	<i>Aeolothrips</i>	<i>astutus</i>	Priesner, 1926	Vasiliu-Oromulu, zur Strassen, Larsson	EUR
3.	<i>Aeolothrips</i>	<i>ericae</i>	Bagnall, 1920	Quick 1977	WPAL
4.	<i>Aeolothrips</i>	<i>fasciatus</i>	(Linnaeus, 1758)	Linnaeus 1758	HOL
5.	<i>Aeolothrips</i>	<i>intermedius</i>	Bagnall, 1934	Quick 1977	PAL
6.	<i>Aeolothrips</i>	<i>melaleucus</i>	Haliday, 1852	Oettingen 1954	HOL
7.	<i>Aeolothrips</i>	<i>propinquus</i>	Bagnall, 1924	Vasiliu-Oromulu, zur Strassen, Larsson	EUR
8.	<i>Aeolothrips</i>	<i>versicolor</i>	Uzel, 1895	Ahlberg 1926	EUS
9.	<i>Aeolothrips</i>	<i>vittatus</i>	Haliday, 1836	Trybom 1896	EUR
10.	<i>Melanthrips</i>	<i>fuscus</i>	(Sulzer, 1776)	Trybom 1917	WPAL
11.	<i>Rhipidothrips</i>	<i>niveipennis</i>	O. M. Reuter, 1899	Ahlberg 1926	EUR
Fam. Thripidae					
12.	<i>Anaphothrips</i>	<i>badius</i>	(Williams, 1913)	Quick 1977	EUS
13.	<i>Anaphothrips</i>	<i>obscurus</i>	(O. F. Müller, 1776)	Trybom 1917	COS
14.	<i>Apterothrips</i>	<i>secticornis</i> [<i>Anaphothrips</i>]	(Trybom, 1896)	Ahlberg 1926	HOL
15.	<i>Aptinothrips</i>	<i>elegans</i>	Priesner 1924	Vasiliu-Oromulu, zur Strassen, Larsson	SBM
16.	<i>Aptinothrips</i>	<i>rufus</i>	(Haliday, 1836)	Trybom 1894	COS
17.	<i>Aptinothrips</i>	<i>stylifer</i>	Trybom, 1894	Trybom 1894	HOL
18.	<i>Baliothrips</i>	<i>dispar</i>	(Haliday, 1836)	Ahlberg 1926	EUS
19.	<i>Belothrips</i>	<i>acuminatus</i>	(Haliday, 1836)	Trybom 1917	EUR
20.	<i>Belothrips</i>	<i>morio</i>	O. M. Reuter, 1899	Trybom 1917	EUR
21.	<i>Ceratohrips</i>	<i>ericae</i> [<i>Amblythrips</i> , <i>Taeniothrips</i>]	(Haliday, 1836)	Trybom 1917	HOL
22.	<i>Chaetanaphothrips</i>	<i>orchidii</i>	Moulton, 1907	Bagnall 1926	HOL
23.	<i>Chirothrips</i>	<i>hamatus</i>	Trybom, 1895	Trybom 1917	EUS
24.	<i>Chirothrips</i>	<i>manicatus</i>	Haliday, 1836	Trybom 1917	HOL
25.	<i>Ctenothrips</i>	<i>distinctus</i>	(Uzel, 1895)	Trybom 1917	EUR
26.	<i>Dendrothrips</i>	<i>degeeri</i>	Uzel, 1895	Ahlberg 1926	EUR
27.	<i>Dendrothrips</i>	<i>saltatrix</i>	Uzel, 1895	Quick 1977	EUS
28.	<i>Drepanothrips</i>	<i>reuteri</i>	Uzel, 1895	Quick 1977	PAL
29.	<i>Echinothrips</i>	<i>americanus</i>	Morgan, 1913	Nedstam 1999	NEA
30.	<i>Euchaetothrips</i>	<i>kroli</i> [<i>Baliothrips kroeli</i> Mound, 1968]	(Schille, 1910)	Ahlberg 1926	EUR
31.	<i>Firmothrips</i>	<i>firmus</i> [<i>Taeniothrips</i>]	(Uzel, 1895)	Quick 1977	EUS
32.	<i>Frankliniella</i>	<i>intonsa</i>	(Trybom, 1895)	Trybom 1895	EUS
33.	<i>Frankliniella</i>	<i>occidentalis</i>	(Pergande, 1895)	Nedstam 1987	HOL
34.	<i>Frankliniella</i>	<i>pallida</i>	(Uzel, 1895)	Trybom 1917	EUR

	Genus	Species	Author's species	First mentioned	Distribution
35.	<i>Frankliniella</i>	<i>tenuicornis</i>	(Uzel, 1895)	Trybom 1917	COS
36.	<i>Heliethrips</i>	<i>haemorrhoidalis</i>	(Bouché, 1833)	Trybom 1917	CIRCUM SUBTR
37.	<i>Hercinothrips</i>	<i>femoralis</i> [<i>Heliethrips</i>]	O. M. Reuter, 1891	Trybom 1917	HOL
38.	<i>Iridothrips</i>	<i>iridis</i>	(Watson, 1924)	Vasiliu-Oromulu, zur Strassen, Larsson 2000	EUR
39.	<i>Kakothrips</i>	<i>robustus</i>	(Uzel, 1895)	Trybom 1917	EUR
40.	<i>Limothrips</i>	<i>cerealium</i>	Haliday, 1836	Trybom 1917	COS
41.	<i>Limothrips</i>	<i>denticornis</i>	(Haliday, 1836)	Trybom 1894	EUS
42.	<i>Mycterothrips</i>	<i>consociatus</i> [<i>Rhopalandrothrips</i>]	[Targioni-Tozzetti, 1886]	Oettingen 1954	EUR
43.	<i>Mycterothrips</i>	<i>latus</i> [<i>Taeniothrips</i>]	Bagnall, 1912	Quick 1977	EUR
44.	<i>Mycterothrips</i>	<i>salicis</i> [<i>Physothrips ulmifoliorum</i> Karny, 1912; <i>Taeniothrips salicis</i> Priesner, 1920]	(O. M. Reuter, 1878)	Quick 1977	EUS
45.	<i>Neohydatothrips</i>	<i>gracilicornis</i> [<i>Sericothrips</i>]	(Williams, 1916)	Oettingen 1954	PAL
46.	<i>Odonthrips</i>	<i>bimucus</i> [<i>O. uzeli</i> Bagnall, 1924]	John, 1921	Ahlberg 1926	HOL
47.	<i>Odonthrips</i>	<i>intermedius</i>	(Uzel, 1895)	Ahlberg 1926	EUR
48.	<i>Odonthrips</i>	<i>loti</i>	(Haliday, 1852)	Ahlberg 1926	HOL
49.	<i>Odonthrips</i>	<i>phaleratus</i>	(Haliday, 1836)	Trybom 1917	EUS
50.	<i>Oxythrips</i>	<i>ajugae</i>	Uzel, 1895	Ahlberg 1926	WPAL
51.	<i>Oxythrips</i>	<i>Bicolor</i> [<i>O. brevistylis</i> Trybom, 1895]	(O.M. Reuter, 1879)	Trybom 1917	TUR-EUR
52.	<i>Oxythrips</i>	<i>ulmifolorum</i> [<i>O. occitanus</i> Bournier, 1962; <i>O. virginalis</i> Priesner, 1920, <i>Taeniothrips ulmifolorum</i> Haliday]	(Haliday, 1836)	Trybom 1917	EUR
53.	<i>Parthenothrips</i>	<i>dracaenae</i>	(Heeger, 1854)	Trybom 1894	HOL
54.	<i>Platythrips</i>	<i>tunicatus</i>	(Haliday, 1852)	Trybom 1917	EUR
55.	<i>Pteridothrips</i>	<i>teridicola</i>	(Karny, 1914)	Zur Stassen 1999	OR
56.	<i>Rhaphidothrips</i>	<i>longistylus</i>	Uzel, 1895	Vasiliu-Oromulu, zur Strassen, Larsson 2000	HOL
57.	<i>Rubiothrips</i>	<i>ferrugineus</i> [<i>Anaphothrips</i>]	(Uzel, 1895)	Quick 1977	EUR
58.	<i>Rubiothrips</i>	<i>silvarum</i> [<i>Anaphothrips</i>]	(Karny, 1909)	Oettingen 1954	EUR
59.	<i>Rubiothrips</i>	<i>validus</i> [<i>Anaphothrips</i>]	(Priesner, 1920)	Quick 1977	EUS
60.	<i>Scirtothrips</i>	<i>longipennis</i>	(Bagnall, 1909)	Ahlberg 1926	HOL
61.	<i>Scolothrips</i>	<i>uzeli</i>	(Schille, 1910)	Vasiliu-Oromulu, zur Strassen, Larsson 2000	EUR
62.	<i>Sericothrips</i>	<i>bicornis</i>	(Karny, 1910)	Vasiliu-Oromulu, zur Strassen, Larsson	EUR
63.	<i>Sericothrips</i>	<i>staphilinus</i>	(Haliday, 1836)	Trybom 1917	EUR
64.	<i>Stenothrips</i>	<i>graminum</i>	Uzel, 1895	Trybom 1917	WPAL
65.	<i>Taeniothrips</i>	<i>inconsequens</i> [<i>Physothrips</i>]	(Uzel, 1895)	Trybom 1917	PAL
66.	<i>Taeniothrips</i>	<i>picipes</i> [<i>Thrips primulae</i> Karny, 1836]	(Zetterstedt, 1828)	Zetterstedt 1840	PAL
67.	<i>Thrips</i>	<i>alni</i>	Uzel, 1895	Quick 1977	EUR
68.	<i>Thrips</i>	<i>angusticeps</i> [<i>Th. paucisetosus</i> Priesner, 1927]	Uzel, 1895	Ahlberg 1926	WPAL
95 69.	<i>Thrips</i>	<i>atratus</i> [<i>Taeniothrips</i>]	Haliday, 1836	Trybom 1917	PAL

	Genus	Species	Author's species	First mentioned	Distribution
70.	<i>Thrips</i>	<i>dilatatus</i>	Uzel, 1895	Trybom 1917	EUR
71.	<i>Thrips</i>	<i>discolor</i>	Haliday, 1836	Trybom 1917	EUR
72.	<i>Thrips</i>	<i>flavus</i>	Schrank, 1776	Trybom 1917	COS
73.	<i>Thrips</i>	<i>fuscipennis</i>	Haliday, 1836	Trybom 1917	PAL
74.	<i>Thrips</i>	<i>juniperinus</i>	Linnaeus, 1758	Linnaeus 1758	EUR
75.	<i>Thrips</i>	<i>major</i>	Uzel, 1895	Trybom 1917	WPAL
76.	<i>Thrips</i>	<i>minutissimus</i>	Linnaeus, 1758	Trybom 1917	EUR
77.	<i>Thrips</i>	<i>nigropilosus</i>	Uzel, 1895	Ahlberg 1926	WPAL
78.	<i>Thrips</i>	<i>palmi</i>	Karny, 1925	Vierbergen, 1996	COS
79.	<i>Thrips</i>	<i>physapus</i>	Linnaeus, 1758	Trybom 1894	EUS
80.	<i>Thrips</i>	<i>pini</i> [<i>Taeniothrips laricivorus</i> , <i>pini</i> Kratochvill & Farsky, 1942]	(Uzel, 1895)	Trybom 1896	WPAL
81.	<i>Thrips</i>	<i>tabaci</i>	Lindeman, 1888	Ahlberg 1926	COS
82.	<i>Thrips</i>	<i>trehernei</i> [<i>Th. hukkineni</i> Priesner, 1937]	Priesner, 1927	Oettingen 1954	HOL
83.	<i>Thrips</i>	<i>validus</i>	Uzel, 1895	Trybom 1917	EUS
84.	<i>Thrips</i>	<i>viminalis</i>	Uzel, 1895	Ahlberg 1926	EUR
85.	<i>Thrips</i>	<i>vulgatissimus</i> [<i>Taeniothrips</i>]	Haliday, 1836	Trybom 1917	HOL
S/Ord. Tubulifera					
Fam. Phlaeothripidae					
86.	<i>Acanthothrips</i>	<i>nodicornis</i> [<i>Haplothrips corticis</i> Amyot & Serville] [<i>Acanthothrips corticis</i> Serv.]	(O. M. Reuter, 1880)	Ahlberg 1926	HOL
87.	<i>Bolothrips</i>	<i>dentipes</i> [<i>Nesothrips</i> , <i>Cryptothrips</i>]	(O. M. Reuter, 1880)	Ahlberg 1926	EUR
88.	<i>Bolothrips</i>	<i>icarus</i> [<i>Nesothrips</i>]	(Uzel, 1895)	Trybom 1917	HOL
89.	<i>Cephalothrips</i>	<i>monilicornis</i>	(O. M. Reuter, 1880)	Trybom 1917	HOL
90.	<i>Cryptothrips</i>	<i>nigripes</i> [<i>C. latus</i> Uzel, 1895]	(O. M. Reuter, 1880)	Ahlberg 1926	PAL
91.	<i>Haplothrips</i>	<i>acanthoscelis</i>	[Uzel, 1895] (Karny, 1909)	Oettingen 1954	EUS
92.	<i>Haplothrips</i>	<i>aculeatus</i>	(Fabricius, 1803)	Trybom 1917	PAL
93.	<i>Haplothrips</i>	<i>alpester</i>	Priesner, 1914	Vasiliiu-Oromulu, zur Strassen, Larsson	EUR
94.	<i>Haplothrips</i>	<i>angusticornis</i>	Priesner, 1921	Vasiliiu-Oromulu, zur Strassen, Larsson	WPAL
95.	<i>Haplothrips</i>	<i>distinguendus</i>	(Uzel, 1895)	Trybom 1917	WPAL
96.	<i>Haplothrips</i>	<i>hukkineni</i>	Priesner, 1950	Oettingen 1954	EUR +Egypt
97.	<i>Haplothrips</i>	<i>leucanthemii</i>	(Schrank, 1781)	Ahlberg 1926	EUS
98.	<i>Haplothrips</i>	<i>niger</i>	(Osborn, 1883)	Oettingen 1954	WEUS
99.	<i>Haplothrips</i>	<i>propinquus</i>	Bagnall, 1933	zur Strassen	EUR
100.	<i>Haplothrips</i>	<i>setiger</i>	Priesner, 1921	Vasiliiu-Oromulu 2000	WPAL
101.	<i>Haplothrips</i>	<i>statices</i>	(Haliday, 1836)	Vasiliiu-Oromulu 2000	EUR
102.	<i>Haplothrips</i>	<i>subtilissimus</i>	(Haliday, 1852)	Oettingen 1954	EUS

	Genus	Species	Author's species	First mentioned	Distribution
103.	<i>Hoplandrothrips</i>	<i>williamsianus</i>	Priesner, 1923	Quick 1977	EUR
104.	<i>Hoplothrips</i>	<i>carpathicus</i>	Pelikán, 1964	Kobro 1999	EUR
105.	<i>Hoplothrips</i>	<i>corticis</i> [<i>Thrips</i> ; <i>Trichothrips copiosa</i> Uzel, 1895]	(De Geer, 1773)	Ahlberg 1926	WPAL
106.	<i>Hoplothrips</i>	<i>fungi</i> [<i>H. pini</i> Haliday, 1837]	(Zetterstedt, 1828)	Oettingen 1954	EUR
107.	<i>Hoplothrips</i>	<i>pedicularius</i>	(Haliday, 1836)	Quick 1977	EUR
108.	<i>Hoplothrips</i>	<i>polysticti</i>	(Morison, 1949)	Quick 1977	NEUR
109.	<i>Hoplothrips</i>	<i>ulmi</i>	(Fabricius, 1781)	Zetterstedt 1840	EUS
110.	<i>Hoplothrips</i>	<i>unicolor</i>	Vuillet, 1914	zur Strassen 1994	S. AFRICA, ENGLAND
111.	<i>Liothrips</i>	<i>austriacus</i>	(Karny, 1909)	Quick 1977	EUR
112.	<i>Liothrips</i>	<i>setinodis</i> [<i>L. hradecensis</i> Uzel, 1895]	(O. M. Reuter, 1880)	Trybom 1917	WPAL
113.	<i>Lisothrips</i>	<i>crassipes</i> [<i>Zygothrips</i>]	(Jablonowski, 1894)	Trybom 1917	EUR
114.	<i>Megathrips</i>	<i>lativentris</i>	(Heeger, 1852)	Trybom 1917	EUS
115.	<i>Phlaeothrips</i>	<i>annulipes</i>	O. M. Reuter, 1880	Quick 1977	EUR
116.	<i>Phlaeothrips</i>	<i>bispinosus</i>	Priesner, 1919	Vasiliu-Oromulu, zur Strassen, Larsson	WPAL+ Mongolia
117.	<i>Phlaeothrips</i>	<i>coriaceus</i>	Haliday, 1836	Oettingen 1954	HOL
118.	<i>Phlaeothrips</i>	<i>denticauda</i>	Priesner, 1914	Quick 1977	EUR
119.	<i>Xylaplothrips</i>	<i>fuliginosus</i>	(Schille, 1910)	Quick 1977	WEUS

THE GENERAL CLASSIFICATION OF THE ORDER THYSANOPTERA (IN SWEDEN)

S/ORDER	FAMILY	S/FAMILY	TRIBUS	S/TRIBUS	GENUS
		Melanthripinae Bagnall, 1913			<i>Melanthrips</i> Haliday, 1836
	Aeolothripidae Uzel, 1895				
		Aeolothripinae Bagnall, 1913			<i>Aeolothrips</i> Haliday, 1836 <i>Rhipidothrips</i> Uzel, 1895
TEREBRANTIA Haliday, 1836		Panchaethripinae Bagnall, 1912			<i>Heliothrips</i> Haliday, 1836 <i>Hercinothrips</i> Bagnall, 1932
					<i>Partenothrips</i> Uzel, 1895
	Thripidae Stephens, 1829				
			Dendrothripini Priesner, 1925		<i>Dendrothrips</i> Uzel, 1895

S/ORDER	FAMILY	S/FAMILY	TRIBUS	S/TRIBUS	GENUS
		Thripinae (Stephens) Karny, 1921		Sericothripina (Karny) Priesner, 1925	<i>Neohydatothrips</i> John, 1929 <i>Sericothrips</i> Haliday, 1836
			Sericothripini (Karny) Priesner, 1925		
				Scirtothripina Priesner 1957	<i>Drepanothrips</i> Uzel, 1895 <i>Scirtothrips</i> Shull, 1909
			Chirothripini (Karny) Priesner, 1957		<i>Chirothrips</i> Haliday, 1836 <i>Limothrips</i> Haliday, 1836
					<i>Anaphothrips</i> Uzel, 1895 <i>Apterothrips</i> Bagnall, 1908 <i>Aptinothrips</i> Haliday, 1836
					<i>Belothrips</i> Haliday, 1836
			Thripini Priesner, 1949	Aptinothripina Karny, 1921	<i>Oxythrips</i> Uzel, 1895
					<i>Baliothrips</i> Uzel, 1895
					<i>Chaetanaphothrips</i> Priesner, 1925
					<i>Ceratothrips</i> Reuter, 1899
					<i>Ctenothrips</i> Franklin, 1907
					<i>Euchaetothrips</i> Bagnall, 1916
					<i>Firmothrips</i> Uzel, 1895
					<i>Frankliniella</i> Karny, 1910
					<i>Iridothrips</i> Priesner, 1940
					<i>Kakothrips</i> Williams, 1914
					<i>Mycterothrips</i> Trybom, 1910
				Thripina Priesner, 1957	<i>Odontothrips</i> Amyot et Serville, 1843
					<i>Platythrips</i> Uzel, 1895
					<i>Rhaphidothrips</i> Uzel, 1895
					<i>Rubiothrips</i> Schliephake, 1975
					<i>Scolothrips</i> Hinds, 1902
					<i>Sericothrips</i> Haliday, 1836
					<i>Stenothrips</i> Uzel, 1895
					<i>Taeniothrips</i> Amyot et Serville, 1843
					<i>Thrips</i> Linnaeus, 1758

S/ORDER	FAMILY	S/FAMILY	TRIBUS	S/TRIBUS	GENUS
			Megathripini Priesner, 1960		<i>Megathrips</i> Targioni-Tozzetti, 1881
		Idolothripinae Bagnall, 1908	Cryptothripini Priesner, 1960		<i>Bolothrips</i> Priesner, 1926
					<i>Cryptothrips</i> Uzel, 1895
TUBULIFERA Haliday, 1836	Phlaeothripidae Uzel, 1895		Haplothripini Priesner, 1928		<i>Haplothrips</i> Amyot et Serville, 1843
					<i>Xylaplothrips</i> Priesner, 1925
					<i>Acanthothrips</i> Uzel, 1895
					<i>Hoplandrothrips</i> Hood, 1912
			Phlaeothripini Priesner, 1928	Phlaeothripina Priesner, 1960	<i>Phlaeothrips</i> Haliday, 1836
		Phlaeothripinae Priesner, 1928		Lispothripina Priesner, 1960	<i>Lispothrips</i> O.M.Reuter, 1899
			Hoplothripini Priesner, 1928	Cephalothripina Priesner, 1960	<i>Cephalothrips</i> Uzel, 1895
				Hoplothripina Priesner, 1960	<i>Hoplothrips</i> Amyot et Serville, 1843
					<i>Liothrips</i> Uzel, 1895

Results and discussions

AHLBERG has described 71 species in his monograph, out of which there were two wrongly identified:

Odontothrips ulicis (HAL.) which can be found only in south Europe and *Ceratothrips ericae* was mentioned as *Ceratothrips trybomi* REUT. (Fam. Ceratothripidae!) (AHLBERG 1918, 1920, 1921, 1922, 1924, 1925a, 1925b, 1926, 1932) Other species were synonymised as: *Phlaeothrips obscuricornis* REUT is the same as *Haplothrips leucanthemi* SCHR., *Acanthothrips corticis* (SERV) and *Trichothrips copiosus* UZEL are both now *Hoplothrips corticis* (DE GEER) and *Trichothrips ulmi* (FABR) is now *Hoplothrips ulmi* (FABR). OETTINGEN (1954) has wrongly identified two species: *Chirothrips manicatus* HAL. as *Limothrips angulicornis* JABL. (SCHLIEPHAKE 1976) and *Haplothrips armeriae* MALTBAEK 1931 which do not exist in Sweden.

We present here the full list with thrips species found in Sweden, the authors, synonymies, year first mentioned in Sweden and their geographical distribution.

In the collections we have found 7 species new to Sweden which never have been published: *Rhaphidothrips longistylus* UZEL, 1895 and *Haplothrips alpester* PRIESNER, 1914 both found by CEDERHOLM, *Haplothrips angusticornis* PRIESNER, 1921 found by OETTINGEN and *Phlaeothrips bispinosus* PRIESNER, 1919 found by QVICK. Zur Strassen have found three species not published before

In our own collections we have found two new species to Sweden. *Iridothrips iridis* WATSON, 1924 and *Scolothrips uzeli* SCHILLE, 1910. All these nine new species are described in a separate publication.

In total there are 119 thrips species in the fauna of Sweden. They belong to three families:

Fam. Aelothripidae (11 species), Fam. Thripidae (74 species) and Fam. Phlaeothripidae (34 species).

The thrips species from the Swedish fauna take part in the following types of geographical elements: european, EUR (41), holarctic, HOL (20), euro-siberian, EUS (18), west-palaeartic, WPAL (13), palaeartic, PAL (10), west-eurosiberian, WEUS (2), north-european, NEUR (1), west-palaeartic+Mongolia, (1), south Africa + England (1), european + Egypt (1), circumsubtropical (1), cosmopolit, COS (7), turano-european (1), nearctic, NEA (1), oriental, OR, (1).

The plant species, as trophic niches for the

119 thrips species will be dealt with, in details in the other paper.

Conclusions

There are 119 Thysanoptera species in the fauna of Sweden, which belong to three families: Fam. Aelothripidae (11 species), Fam. Thripidae (3 species) and Fam. Phlaeothripidae (15 species); out of Fam. Thripidae 7 species can be found only in greenhouses.

A generic and specific denomination of all the 119 species have been updated and a general classification schema has been drawn for S/Order, Family, S/Family, Tribus, S/Tribus and Genus.

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