

„Fauna Lepidopterologica Volgo-Uralensis“ 150 years later: Changes and additions. Part 14. Elachistidae.

(Insecta, Lepidoptera)

by

VASILY V. ANIKIN, SERGEY A. SACHKOV, VADIM V. ZOLOTUHIN & SERGEY YU. SINEV

received 5. November 2007

Summary: 65 species of Elachistidae are listed from the Volgo-Ural Region. 64 species are recorded from the region in addition to EVERSMAHN's list.

Introduction: This paper is the 14th in a series of publications¹, dealing with the composition of the present-day fauna of the family Elachistidae in the Middle Volga and the south-western Cisurals. This region comprises of the administrative divisions of Astrakhan-, Volgograd-, Saratov-, Samara-, Uljanovsk-, Orenburg-, Uralsk- and Atyraus-(=Gurjev) Districts, together with Tataria and Bashkiria. As was accepted in previous parts of this series, only material reliably labeled and spanning mostly the last 25-50 years was used for this study. The main collections are those of the authors: V. ANIKIN (Saratov and Astrakhan Distr. and Kalmyk Republic), S. SACHKOV (Samara Distr.) and V. ZOLOTUHIN (Uljanovsk and Astrakhan Distr.). Whilst completing this list we also took advantage of the information from recent papers on this region (SACHKOV, 1996; SACHKOV et al., 1996; ZOLOTUHIN, 2001; KAILA et al., 2003). The material in the collections of the Zoological Institute of the Russian Academy of Sciences (St. Petersburg) has also been examined for our study.

In the text we follow more traditional system proposed by E. TRAUOGOTT-OLSEN and E. SCHMIDT NIELSEN (1977) and used in the main regional catalogs and determination keys (FALKOVITSH, 1986; PARENTI, 1996; SINEV & SRUOGA, 1997). The synonymy is taken mainly from the review by L. KAILA (1999). The list of food plants is taken from TRAUOGOTT-OLSEN & SCHMIDT NIELSEN (1977).

The authors would like to extend their thanks to Dr L. KAILA (Finnish Museum of Natural History, Helsinki, Finland) and Dr V. SRUOGA (Vilnius Pedagogical University, Lithuania) for valuable help in determination of the material; as a matter of fact all specimens from Uljanovsk Disr. were examined and if necessary re-identified by Dr L. KAILA.

For the ease of use, information is given in the form of a table, with the principal data of all species mentioned from the Volgo-Ural region. Many localities have been renamed during the last 150 years, the most important ones being listed below:

¹This series was started in Atalanta 24: 89-120 (1993)

Uralsk - later Chkalov - now Uralsk

Samara - later Kujbyshev - now Samara

Simbirsk - now Uljanovsk

Sarepta - now Krasnoarmejsk of the Volgograd District

Waskuntschatskoi - usually noted as Baskunchak (Astrakhan District)

Zarizyn or Tsarizyn - later Stalingrad - now Volgograd.

Note: Spassk, usually interpreted as EVERSMANN's estate not far from Orenburg, really might be also a town that disappeared under the Volga's water during the erection of the hydroelectrostations and the following increasing of waters area. Before that Spassk had been situated in about 82 km ESE Kasan on the left bank of Volga.

Notes on the table:

column 1: Species number

- species is deleted from the list

column 2: Species name

column 3: Species listed by EVERSMANN (1844) within the regional limits of that territory

column 4 - 10: Administrative units

4 Astrakhan District (centre is Astrakhan)

5 Volgograd district (Volgograd)

6 Saratov district (Saratov)

7 Samara district (Samara)

8 Uljanovsk district (Uljanovsk)

9 Bashkiria (Ufa)

10 Uralsk district (Uralsk)

+ species is present

- species not found during this study

? species is known from old or doubtful data

o type locality

column 11: Flight periods

IV -XI - months

b, m, e - beginning, middle, end of month

1 (2) G - species develops 1 (2) generation(s)

W - winter hibernation

column 12: Comments and larval foodplants

L: larval hostplants, *indicating original data

TL: type locality

E: EVERSMANN

1	Species	E	V	A	S	V	S	S	U	B	U	Flight period	Comments
2	3	4	5	6	7	8	9	10	11	12	13	14	15
ELACHISTIDAE													
1	<i>Mendesia farinella</i> (THUNBERG, 1794)				-	+	-		VI			VI	Very local in grass steppes on chalk. L.: unknown.
2	<i>Perittia herrichiella</i> (HERRICH-SCHÄFFER, 1855)							?	VI			VI	Only characteristic mines were found in wet and sparse mixed forest on <i>Lonicera xylosteum</i> * The record may also belongs to the next species.
3	<i>Perittia sibirica</i> SINEV, 1992				+				eVI-mVII			eVI-mVII	Recorded also for Orenburg distr. (KAILA et al., 2003). L.: <i>Lonicera tatarica</i> (in Siberia).
4	<i>Dibrachia kalki</i> (PARENTI, 1978)			+	+		+		V-VI			V-VI	Chalk steppes. Recorded for Orenburg distr. (KAILA et al., 2003). L.: unknown.
5	<i>Hemiprosopa altaica</i> SINEV, 1998	-		-	-				VI			VI	Recorded for the saline wetlands of Orenburg distr. (KAILA et al., 2003). L.: unknown.
6	<i>Elachista acutella</i> KAILA, 2003		-	-	-	-			mVI			mVI	LT.: Southern Ural, Orenburg distr., Donskoje (KAILA et al., 2003). L.: unknown.

7	<i>Elachista adscitella</i> STAINTON, 1851 (= <i>revinctella</i> auct., nec ZELLER, 1850)				-						eV-VIII (in 2G)	Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Festuca</i> , <i>Deschampsia</i> , <i>Poa</i> , <i>Brachypodium</i> , <i>Sesleria</i> , <i>Milium</i> .
8	<i>Elachista albifrontella</i> (HÜBNER, [1817])						+	+	+		bVI- eVII	Some specimens were collected in wet coniferous forest of taiga- zone, with <i>Abies</i> and <i>Pinus</i> . L.: different Poaceae.
9	<i>Elachista alpinella</i> STAINTON, 1854								+		eVII- bVIII	Very local on glades and openings of humid forests. Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Carex</i> spp.
10	<i>Elachista anserinella</i> ZELLER, 1839					+	+	+			eV-eVI	Widely distributed in different biotopes but not common everywhere. L.: <i>Brachypodium pinnatum</i> .
11	<i>Elachista apicipunctella</i> STAINTON, 1849 (= <i>nobilella</i> auct., nec ZELLER, 1839)							+	+		bVI- eVII	Wet coniferous and mixed forests. Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: different Poaceae.
12	<i>Elachista arduella</i> KAILA, 2003										VI	L.T. Southern Ural, Orenburg distr., Pokrovka (KAILA et al., 2003). L.: unknown.
13	<i>Elachista argentella</i> (CLERCK, 1759)					+	+				eV-VI	L.: different Poaceae.
14	<i>Elachista baikalica</i> KAILA, 1992										VI	Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: unknown.
15	<i>Elachista bedellella</i> (SIRCOM, 1848)						+	+	+		VI-bVIII (in 2G)	Grass steppes. L.: different Poaceae.
16	<i>Elachista ?biatomella</i> (STAINTON, 1848)									+	VI-VIII (in 2G)	Recorded for Bashkiriya, Cheliabinsk and Orenburg distr. with question mark (KAILA et al., 2003). L.: <i>Carex flacca</i> .
17	<i>Elachista bifasciella</i> TREITSCHKE, 1833								+		VI-bVII	L.: different Poaceae.
18	<i>Elachista bisulcella</i> (DUPONCHEL, 1843)						+	+	-		VI-VII	Lime steppes. L.: <i>Deschampsia</i> , <i>Brachypodium</i> , <i>Calamagrostis</i> , <i>Carex</i> .
19	<i>Elachista canapenella</i> (HÜBNER, [1813]) (= <i>pulchella</i> HAWORTH, 1828)						+	+	-		eIV-VIII (in 2G)	Humid mixed forest. L.: <i>Holcus mollis</i> , <i>Arrhenatherum pubescens</i> .
20	<i>Elachista chamaea</i> KAILA, 2003		-								eV-VI	Recorded for Orenburg distr. (KAILA et al., 2003). L.: unknown.
21	<i>Elachista chrysodesmella</i> ZELLER, 1850					+	-				mV-VIII (in 2G)	L.: <i>Holcus</i> , <i>Poa</i> , <i>Brachypodium</i> , <i>Carex</i> .
22	<i>Elachista cingilella</i> (HERRICH-SCHÄFFER, 1855)										mV-VIII (in 2G)	Recorded for Orenburg distr. (KAILA et al.; 2003). L.: <i>Millium effusum</i> .
23	<i>Elachista constitella</i> FREY, 1859										eV-mVI	Recorded for Orenburg distr. (KAILA et al., 2003). L.: unknown.
24	<i>Elachista diderichiella</i> E.HERING, 1889		-								bVI- mVII	Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Millium effusum</i> .
25	<i>Elachista dispunctella</i> (DUPONCHEL, 1843)						+	+			V-VIII (in 2G)	Dry and open grasslands. L.: <i>Festuca</i> spp
26	<i>Elachista fasciola</i> PARENTI, 1983							+			mV- eVII (in 2G?)	A single male collected 22.VII 1992 in forest-steppe (SACHKOV, 1996). Recorded for Cheliabinsk

	(HERRICH-SCHÄFFER, 1855)																			also for Cheliabinsk distr. (KAILA et al., 2003). L.: unknown.
45	<i>Elachista nolckenii</i> SULCS, 1992								-	-			mVI- mVII	Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: unknown.						
46	<i>Elachista obliquella</i> STANTON, 1854 (= <i>megerlella</i> auct., nec HÜBNER, [1810])								+	+	+		-	eV-VIII (in 2G)	Forests and grass steppes. Recorded also for Orenburg distr (KAILA et al., 2003). L.: different Poaceae and <i>Carex</i> .					
47	<i>Elachista olschwangi</i> KAILA, 2003													eV-VI	LT: Southern Ural, Cheliabinsk distr., Moskovo (KAILA et al., 2003). L.: unknown.					
48	<i>Elachista pollinariella</i> ZELLER, 1839													VI-mVII	L.: different Poaceae.					
49	<i>Elachista pollutella</i> DUPONCHEL, 1843													eIV-mV	Steppes and dry meadows. L.: unknown.					
50	<i>Elachista pullicomella</i> ZELLER, 1839													mV-VIII (in 2G)	Grasslands, from steppes to wet meadows. Recorded also for Cheliabinsk distr. (KAILA et al., 2003). L.: different Poaceae.					
51	<i>Elachista regificella</i> SIRCOM, 1849													VI-bVIII	L.: <i>Luzula</i> spp.					
52	<i>Elachista rudectella</i> STANTON, 1851													VI-mVII	Recorded also for Cheliabinsk and Orenburg distr. (KAILA et al., 2003). L.: <i>Phleum phleoides</i> .					
53	<i>Elachista spumella</i> CARADJA, 1920													mV-VII (in 2G?)	Chalk and limestone steppes. Recorded for Cheliabinsk and Orenburg distr. (KAILA et al., 2003). L.: unknown.					
54	<i>Elachista squamosella</i> (DUPONCHEL, 1843)	-	-											mVI- mVII	Recorded for Orenburg distr. (KAILA et al., 2003). L.: <i>Carex montana</i> .					
55	<i>Elachista subalbidella</i> SCHLÄGER, 1847													-	eV-VII	Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Brachypodium</i> , <i>Poa</i> , <i>Molinia</i> .				
56	<i>Elachista subocellea</i> (STEPHENS, 1834)													-	VI-VII	Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Brachypodium sylvaticum</i> .				
57	<i>Elachista szocsi</i> PARENTI, 1978 (= <i>manca</i> FALKOVITSH, 1986)														+	eV-VI	Steppes of different types. Recorded for Cheliabinsk and Orenburg distr. (KAILA et al., 2003). L.: unknown.			
58	<i>Elachista tetragonella</i> (HERRICH-SCHÄFFER, 1855)	-	-	-											+	eV-VI	Single specimen was collected on stepped glade of mixed forest at 21.VI 1993. Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Carex montana</i> .			
59	<i>Elachista unifasciella</i> (HAWORTH, 1828)	-													-	VI-VII	L.: <i>Dactylis</i> , <i>Brachypodium</i> , <i>Holcus</i> .			
60	<i>Biselachista albidella</i> (NYLANDER, 1848)														+	-	mVI-VII	Single specimen was collected on wet meadow of mixed forest at 9.VII 1997. Recorded for Cheliabinsk distr. (KAILA et al., 2003). L.: <i>Scirpus</i> , <i>Carex</i> spp.		
61	<i>Biselachista contaminatella</i> (ZELLER, 1847)														+	-	mVII	Single specimen was collected in grass steppe at 18.VII 1999. Recorded for Cheliabinsk and Orenburg distr. (KAILA et al., 2003). L.: unknown.		
62	<i>Biselachista devexella</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	VI	LT.: Southern Ural, Orenburg		

ZOLOTUHIN, V. V. (2001): Materials on the rare and new species of moths (Microlepidoptera) of the Middle Volga. - Entomological and parasitological investigations in Povolzh'e Region I: 44-47 (in Russian).

Addresses of the authors:

Prof. Dr. Vasily V. ANIKIN
University, Dept. of Animal Morphology and Ecology
ul. Astrakhanskaja 83
RUSSIA-410071 Saratov
e-mails: AnikinVV@info.sgu.ru, AnikinVasiliiV@mail.ru

Prof. Dr. Sergey A. SACHKOV
University, Dept. of Ecology, Botany and Nature Protection
ul. Acad. Pavlova 1
RUSSIA-443011 Samara
e-mail: satshk@ssu.samara.ru

Dr. Vadim V. ZOLOTUHIN
Pedagogical University, Dept. of Zoology
pl. 100-letia Lenina 4
RUSSIA-432700 Uljanovsk
e-mail: v.zolot@mail.ru

Dr. Sergey Yu. SINEV
Zoological Institute
Russian Academy of Sciences
Laboratory of Insects Systematics
Universitetskaja nab. 1
RUSSIA-199034 St. Petersburg
e-mails: sinev@zin.ru, lepid@zin.ru

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Atalanta](#)

Jahr/Year: 2007

Band/Volume: [38](#)

Autor(en)/Author(s): Anikin Vasily Victorovich, Sachkov Sergej A., Zolotuhin Vadim V., Sinev Sergey Yu.

Artikel/Article: ["Fauna Lepidopterologica Volgo-Uralensis" 150 years later: Changes and additions. Part 14. Elachistidae 395-402](#)