

„Fauna Lepidopterologica Volgo-Uralensis“ 150 years later: Changes and additions. Part 10. Oecophoridae s.l.¹

by

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Summary: 87 species of Oecophoridae s.l. (Oecophoridae s. str., Amphisbatidae, Chimabachidae, Depressariidae) are listed for the modern Volgo-Ural fauna. 67 species are recorded from the region in addition to EVERSMAHN's list from 1844.

Zusammenfassung: 87 Arten der Oecophoridae s.l. (Oecophoridae s. str., Amphisbatidae, Chimabachidae, Depressariidae) werden für die rezente Volgo-Ural-Fauna aufgeführt. Die Liste von EVERSMAHN (1844) wird durch diese Arbeit um 67 Arten erweitert.

Introduction: This paper is the tenth in a series of publications¹, dealing with the composition of the present-day fauna of oecophorid moths and their relatives 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 Atyrausk- (=Gurjev) Districts, together with Tataria and Bashkiria. As was accepted in previous parts of this series, only material reliably labelled and spanning the last 25 years was used for this study. The main collections are those of the authors: V. ANIKIN (Saratov, Volgograd and Astrakhan Distr.), S. SACHKOV (Samara Distr.), V. ZOLOTUHN (Uljanovsk and Astrakhan Distr.) and A. LVOVSKY (Astrakhan and Orenburg Distrs). For the same territories we also made use of literature data (JUNNILAINEN & NUPPONEN, 1999). All the data from the XIX and early XX Centuries was taken into account but only as a reference (as pointed in others parts of the cycle). While completing this list we also used the informations given in the recent papers of this region (LVOVSKY & SACHKOV, 1994; LVOVSKY, 2001, 2003; ANIKIN & SARANOVA, 2003; ZOLOTUHN & KHAMDEEV, 2001) and from a taxonomic monography (TOKAR, LVOVSKY & HUEMER, 2005). In the text, we follow the system proposed by LVOVSKY (2002).

The material in the collections of the Zoological Institute of the Russian Academy of Sciences at St.Petersburg (under curatorship of LVOVSKY) and partly of the Moscow State University (under curatorship of Mrs E. M. ANTONOVA) have also been examined for our study. Also the private collections of V. KUPAYEV (Samara) and D. KOMAROV (Volgograd) were studied, to both of them we express our sincere thanks. We also owe special thanks to the curator of the Lepidopteran collection at the Zoological Institute of the Russian Academy of Science Dr. S. YU. SINEV (St.Petersburg) for supporting our work.

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

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

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

№	Species	E	A	V	S	S	U	B	U	Flight period	Comments
		V	S	O	A	A	L	A	R		
		R	T	L	R	M	J	S	A		
		S	A	O	T	R	A	N	K		
		M	K	G	O	A	O	I	K		
		A	H	R	V		V	R			
		N	A	A			S	I			
		N	N	D			S	A			
1	2	3	4	5	6	7	8	9		11	12
OECOPHORIDAE											
DEUTEROGONIINAE											
1.	<i>Deuteroгония pudorina</i> (Wck., 1857)	-	-	-	-	-	+	-	-	11.VII 1990	The only male was collected on the light in the city of Uljanovsk. L: rotten wood.
PLEUROTINAE											
2.	<i>Aplota palpella</i> (Haw., 1828)	-	-	+	+	-	-	-	-	VI- mVIII in 1G	Rare and local in dry steppes. L: Bryophyta.
3.	<i>Pleurota pyropella</i> (Den. & Schiff., 1775)	-	-	+	+	-	-	-	-	eIV- bVII in 1G	Local in sandy steppes. L: <i>Salvia</i> .
4.	<i>Pleurota malatya</i> Back, 1973	-	+	+	+	-	+	-	-	mVI- mVIII in 1G	Not common in steppes of different types. L: <i>Salvia</i> . In the region is presented by ssp. <i>atrostriata</i> Lvovsky, 1992 with TL: Belgorod district.
5.	<i>Pleurota contignatella</i> Chr., 1872	-	+	o	+	-	-	-	-	mVII- bVIII in 1G	Local in dry steppes. TL: Sarepta.
6.	<i>Pleurota bicostella</i> (Clerck, 1759)	+	-	-	+	-	+	-	-	VI- bVIII in 1G	Local on openings of humid coniferous and mixed forests. L: <i>Calluna</i> , <i>Erica</i> .
7.	<i>Pleurota kostjuki</i> Lvovsky, 1990	-	?	-	-	-	-	-	-	bVII in 1G	Noted on the boundary with Astrakhan Distr. in Kalmykia (Anikin, Saranova, 2003).
8.	<i>Pleurota aorsella</i> Chr., 1872	-	+	o	+	+	-	-	+	V-bVI in 1G	Common, but local in dry steppes. TL: Sarepta.
9.	<i>Pleurota pungitiella</i> H.-Sch., 1854	-	-	-	+	-	+	-	+	eV- eVII in 1G	Not common in grass and clam steppes.
10.	<i>Pleurota aristella</i> (L., 1767)	+	-	+	+	-	-	-	?	VI-VII in 1G	Common, but local in dry steppes. Is known after old data also from Orenburg Distr. L: <i>Salvia</i> .
11.	<i>Holoscolia huebneri</i> Kocak, 1980	-	-	-	+	-	+	-	+	VI- mVII	Rare in dry steppe. L: <i>Festuca</i> .

55.	<i>Agonopterix propinquella</i> (Tr., 1835)	+	-	+	+	-	+	-	-	mVII- W-bVI in 1G	Common in forests and forest-steppe biotopes. L: <i>Cirsium</i> , <i>Centaurea</i> , <i>Carduus</i> , <i>Serratula</i> .
56.	<i>Agonopterix assimilella</i> (Tr., 1832)	-	-	?	+	+	+	-	-	VI-VII in 1G	Common in light forests and steppe-forests. Is known from Volgograd Distr. after old data. L: <i>Cytisus</i> , <i>Sarothamnus</i> , <i>Genista</i> .
57.	<i>Agonopterix purpurea</i> (Hw., 1811)	-	-	-	+	+	+	-	-	mVII- W-eV in 1G	Rare and local in sparse foliage forests. L: <i>Torilis</i> , <i>Anthriscus</i> , <i>Chaerophyllum</i> .
58.	<i>Agonopterix kaekeritziana</i> (L., 1767) (= <i>liturella</i> Den. & Schiff., 1775)	-	-	-	+	-	+	-	-	mVII- W-eV in 1G	Common, but local in light foliage forests. L: <i>Centaurea jacea</i> *, <i>Lactuca tatarica</i> *, <i>Cirsium</i> , <i>Saussurea</i> .
59.	<i>Agonopterix laterella</i> (Den. et Schiff., 1775)	-	-	-	+	-	+	-	?	mVII- W-eV in 1G	Not common in oak-birch forests. From Orenburg Distr. is known after old data. L: <i>Centaurea</i> spp.
60.	<i>Agonopterix ferocella</i> (Chret. in Spul., 1910)	-	-	+	-	+	-	-	-	VIII- W-bV in 1G	Rare and local in the edges of deciduous forests. First record for Russia. L: <i>Cirsium</i> .
61.	<i>Agonopterix capreolella</i> (Z., 1839)	-	-	-	+	-	+	-	-	mVII- W-eV in 1G	Common in light forests and steppe-forests. L: <i>Pimpinella</i> , <i>Sium</i> , <i>Carum</i> .
62.	<i>Agonopterix curvipunctosa</i> (Hw., 1811) (= <i>zephyrella</i> Hbn., 1813)	-	-	+	+	-	+	-	?	mVII- W-eV in 1G	Not rare, but local in birch forests. From Orenburg Distr. is known after old data. L: <i>Anthriscus</i> , <i>Chaerophyllum</i> , <i>Angelica</i> , <i>Seseli</i> .
63.	<i>Agonopterix subpropinquella</i> (Stt., 1849)	-	-	-	+	-	-	-	-	m VII- W-eV In 1G	Rare in old oak forests. L: <i>Cirsium</i> , <i>Centaurea</i> , <i>Carduus</i> , <i>Sarothamnus</i> .
64.	<i>Agonopterix pallorella</i> (Z., 1839) (= <i>subpallorella</i> Stgr, 1871)	-	-	-	-	-	+	-	?	16.V 1998	A small sample of moths was collected in chalk steppe. From Orenburg Distr. is known after old data. L: <i>Centaurea</i> , <i>Arctium</i> , <i>Serratula</i> .
65.	<i>Agonopterix heracliana</i> (L., 1758) (= <i>aplana</i> F., 1777)	+	-	+	-	+	+	+	?	mVII- W-eV in 1G	Rare in mixed forests. From Orenburg Distr. is known after old data. L: <i>Anthriscus</i> , <i>Torilis</i> , <i>Angelica</i> , <i>Heracleum</i> , <i>Pastinaca</i> .
66.	<i>Agonopterix ciliella</i> (Stt., 1849)	-	-	-	-	-	+	-	-	VIII- W-bVI in 1G	Local in mixed forests. L: <i>Angelica</i> , <i>Daucus</i> , <i>Anthriscus</i> , <i>Heracleum</i> , <i>Peucedanum</i> .

67.	<i>Agonopterix hypericella</i> (Hbn., 1817) (= <i>impurella</i> Tr., 1835)	-	-	-	-	+	+	-	mVII- W-bVI in 1G	Local in old foliage forests. L: <i>Hypericum perforatum</i> .
68.	<i>Agonopterix</i> sp.	-	-	-	-	-	+	-	5.VII ex larvae	Local but not rare in mixed forests. L: <i>Centaurea ruthenicus</i> * The species is somewhat similar to <i>A. squamosa</i> (Mann, 1864) but its status needs further verification.
69.	<i>Agonopterix atomella</i> (Den. & Schiff., 1775)	+	-	-	-	-	+	-	mVII- W-eV in 1G	Rare in old mixed forests with swamp. L: <i>Genista</i> , <i>Sarothamnus</i> , <i>Cytisus</i> .
70.	<i>Agonopterix abdittella</i> Hannemann, 1959	-	-	-	-	-	+	-	25.VI 1998	Very rare in mixed forests. Is known only after the only male collected in forest in 150 km SW from Uljanovsk.
71.	<i>Depressaria sordidatella</i> Tengstr., 1848 (= <i>weirella</i> Stt., 1849; = <i>gudmanni</i> Rbl., 1927)	-	-	-	-	+	+	-	VII- W-eV in 1G	Humid mixed forests. L: <i>Aegopodium</i> , <i>Anthriscus</i> , <i>Chaerophyllum</i> , <i>Pastinaca</i> .
72.	<i>Depressaria olerella</i> Z., 1854	-	-	-	+	+	+	-	VIII- W-bV in 1G	Not common in forest-steppe and forests of different types. L: <i>Achillea</i> , <i>Tanacetum</i> .
73.	<i>Depressaria indecorella</i> Rbl., 1917	-	-	-	-	-	-	?	VI in 1G	TL: Orenburg. No fresh material in our disposal.
74.	<i>Depressaria badiella</i> (Hbn., 1796)	+	-	-	-	+	+	+	VIII- W-eV in 1G	Local in different biotopes. L: <i>Sonchus</i> , <i>Taraxacum</i> , <i>Heracleum</i> , <i>Pastinaca</i> .
75.	<i>Depressaria pimpinellae</i> Z., 1839	-	-	-	-	+	+	-	mVIII- W-V in 1G	Not common in steppe and forest steppe. L: <i>Pimpinella</i> .
76.	<i>Depressaria libanotidella</i> Schlager, 1849	-	-	-	-	-	-	-	VIII- W-V in 1G	The species is known from the nearest Tataria (Krulikovsky, 1909); should also be found from the Region under consideration. L: <i>Libanotis</i> , <i>Laserpitium</i> , <i>Pimpinella</i> , <i>Anethum</i> .
77.	<i>Depressaria heraclei</i> (Retzius, 1783) (= <i>pastinacella</i> Dup., 1838)	-	-	-	+	+	+	-	eVII- W-bVI in 1G	Common in birch forests. L: <i>Anethum</i> *, <i>Heracleum</i> , <i>Pastinaca</i> , <i>Angelica</i> .
78.	<i>Depressaria ultimella</i> Stt., 1849	-	-	-	+	-	+	+	VIII- W-bVI in 1G	Not common in cities and forest-steppes. L: <i>Oenanthe</i> , <i>Sium</i> , <i>Cicuta</i> , <i>Apium</i> .
79.	<i>Depressaria rubricella</i> (Den. & Schiff., 1775) (= <i>daucella</i> Den. & Schiff.,	-	-	-	+	+	-	-	mVII- W-bVI in 1G	Local in forests and steppe- forests. L: <i>Daucus</i> *, <i>Pastinaca</i> ,

80.	1775; = <i>apiella</i> Hbn., 1796) <i>Depressaria leucocephala</i> Snell., 1884 (= <i>thomanniella</i> Rbl., 1917; = <i>urzhumella</i> Krul., 1909)	-	-	-	-	-	-	-	-	mVII- W-eV in 1G	<i>Carum</i> , <i>Cicuta</i> , <i>Sium</i> , <i>Oenanthe</i> . The species was pointed from Kazan Gubernia by Krulikowsky (1909). No fresh material in our disposal. TL for <i>thomanniella</i> Rbl. is Switzerland, <i>urzhumella</i> Krul. is <i>nomen nudum</i> . L: <i>Artemisia</i> <i>vulgaris</i> .
81.	<i>Depressaria chaerophylli</i> Zeller, 1839	-	-	-	-	-	-	-	-	VII- W-V in 1G	The species is known from the nearest Tataria (Krulikovsky, 1909); should also be found from the Region under consideration. L: <i>Chaerophyllum</i> , <i>Anthriscus</i> .
82.	<i>Depressaria depressana</i> (F., 1775) (= <i>depressella</i> F., 1798)	-	+	-	+	+	+	+	?	VII- W-eV in 1G	Not rare in steppes. From Orenburg Distr. is known after old data. L: <i>Pimpinella</i> , <i>Peucedanum</i> , <i>Daucus</i> , <i>Pasinaca</i> , <i>Heracleum</i> .
83.	<i>Depressaria pulcherrimella</i> Stt., 1849 (= <i>semenovi</i> Krul., 1903)	-	-	-	-	-	-	-	?	mVII- W-eV in 1G	Not common in foliage forests. From Kasan was noted by Krulikowsky (1909). TL for <i>semenovi</i> Krul. is Urzhum (Kirovsk Distr.). From Orenburg Distr. is known after old data. L: <i>Pimpinella</i> , <i>Cnidium</i> , <i>Bunium</i> , <i>Seseli</i> .
84.	<i>Depressaria albipunctella</i> (Den. & Schiff., 1775)	+	-	-	-	-	-	-	-	mVII- W-eV in 1G	The species was noted by E. as <i>Haemylis Albipunctella</i> from "provincia Casanensi et in tractu Menselinskio" Also was pointed out from Kazan and Spassk by Krulikowsky, 1909. No material in our disposal. L: <i>Chaerophyllum</i> , <i>Conium</i> , <i>Anthriscus</i> , <i>Torilis</i> , <i>Seseli</i> .
85.	<i>Depressaria hystricella</i> Moeschler, 1860	-	-	o	+	-	-	-	-	mVII- W-eV in 1G	Rare in forest-steppes. TL: Sarepta. L: <i>Spiraea</i> .
86.	<i>Orophia denisella</i> (Den. & Schiff., 1775)	+	-	-	-	-	+	-	?	VI- bVII in 1G	Rare in chalk steppe. From Orenburg Distr. is known after old data.
87.	<i>Orophia ferrugella</i> (Den. & Schiff., 1775)	+	-	-	+	-	-	-	-	VI-VII in 1G	Rare and local in stepped biotopes. L: <i>Campanula</i> .

		14	1	9	24	19	37	4	10	
	TOTAL	20	6	19	44	36	52	6	31	

As a result of this study 87 species of oecophorid moths are listed for the modern Volgo-Ural fauna. 67 species are recorded from the region in addition to EVERSMANN'S list (1844). At the same time, we cannot affirm that all species of the families under this study are completely known now; moreover, we suppose some that much more moth species will be added to the list in the nearest future, especially those from the desert and semidesert zones of the Lower Volga and the South Ural. Some alterations of the list would be also caused by taxonomic revisions and the changes of the status of sole taxa.

References

- ANIKIN, V. V. & O. A. SARANOVA (2003): The interesting records in lepidopterofauna of Kalmykia - The questions of biology, ecology, chemistry and methods of education. - Saratov, 2003. Vol. 6: 62–64 [in Russian].
- EVERSMANN, E. (1844): Fauna lepidopterologica Volgo-Uralensis. Exhibens. Lepidopterorum species quar per quinque annos in provinciis Volgam fluvium inter et montes Uralenses situs observavit et descripsit. - Casani typis universitatis 633.
- JUNNILAINEN, J. & K. NUPPONEN (1999): *Buvatina iremella* sp. n. (Lepidoptera: Oecophoridae) from the southern Ural Mountains. - Ent. Fennica **10**: 247–248, Helsinki.
- KRULIKOWSKY, L. (1908): Neues Verzeichnis der Lepidopteren des Gouvernements Kasan (östl. Russland). – Dt. Ent. Z. Iris **21**: 202–272, Dresden.
- LVOVSKY, A. L. (2001): A review of the flat moths of the genus *Depressaria* HAWORTH, 1811 (Lepidoptera, Depressariidae) of the fauna of Russia and neighbouring countries. I. - Ent. Review **80** (3): 680–705, St. Petersburg [in Russian].
- LVOVSKY, A. L. (2002): The broad-winged moths (Lepidoptera, Oecophoridae sensu lato) of the Palaearctic: systematics, distribution and biology Meetings in memory of N.A. Kholodkovsky **55** (2), St. Petersburg [in Russian].
- LVOVSKY, A. L. (2003): Check-list of the broad-winged moths (Oecophoridae s.l.) of Russia and adjacent countries - Nota lepid. **25** (4): 213–220, Wetteren.
- LVOVSKY, A. L. (2004): A review of flat moths of the genus *Depressaria* HAWORTH, 1811 (Lepidoptera, Depressariidae) of the fauna of Russia and neighbouring countries. II Ent. Review **83** (1): 190–213, St. Petersburg [in Russian].
- LVOVSKY, A. L. & S. A. SACHKOV (1994 [1996]): *Callima gerasimovi* (Lvsk.) (Lepidoptera, Oecophoridae) – new species for Europe from Zhigulevsk reservation Bull. Samarskaya Luka **5**: 199–203, Samara [in Russian].

- TOKAR, Z., LVOVSKY, A. & P. HUEMER (2005): Die Oecophoridae s. l. (Lepidoptera) Mitteleuropas. Bestimmung-Verbreitung-Habitat-Bionomie. - Bratislava.
- ZOLOTUHIN, V. V. & M. I. KHAMDEEN (2000 [2001]): The oecophorid moths fauna (Oecophoridae, Chimabachidae, Depressariidae) of the Uljanovsk Region. – Priroda Uljanovskoj oblasti. 9. Nasekomye i paukoobraznye (Part 3): 111-117, Uljanovsk [in Russian].

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