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"Fauna lepidopterologica Volgo-Uralensis" 150 years later: changes and additions. Part 6. Tineoidea

(Insecta, Lepidoptera)

by

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Summary: 72 species of tineid moths are listed for a present day fauna of the Volgo-Ural region.

Zusammenfassung: 72 Arten von Tineiden werden fnr die Fauna des Wolga-Ural-Gebietes mitgeteilt.

This paper is the sixth in a series of publications¹ dealing with the composition of the present day fauna of tineoid-moths in the Middle Volga and the south-western Cisurals. This region comprises the administrative divisions of Astrakhan-, Volgograd-, Saratov-, Samara-, Uljanovsk-, Orenburg-, Uralsk- and Atyraus-(= Gurjev) Districts, together with Tataria and Bashkiria. As in the previous articles of this series was accepted, material reliably labelled and covering the last 20 years was used for this study. The main collections are those of the authors: V. ANIKIN (Saratov, Volgograd and Astrakhan Districts), S. SACHKOV (Samara District), and V. ZOLOTUHIN (Uljanovsk District and southern Tataria). For some districts we also made use of literature data, i. e. Uralsk district (KUZNETSOV & MARTYNOVA, 1954). All the data from the 19th and early 20th century were taken into account only as a reference.

Whilst compiling this list we also took advantage of the information from recent papers on this region (ANIKIN, 1998; ANIKIN & ZAGULAJEV, 1992; SACHKOV, 1983–1998; SACHKOV et al., 1996) and from recent revisions dealing with the Tineoidea (ZAGULAJEV, 1960–1988) which were in part critically reviewed and revised. The material in the collections of the Zoological Institute of the Russian Academy of Sciences at St. Petersburg (ZISP) and especially of the Moscow State University was also examined for our study. Also the private collections of V. ISAJEVA (Uljanovsk), D. KOMAROV (Volgograd) and V. KUPAYEV (Samara) were studied, to whom we express our sincere thanks. We also owe special thanks to Dr. A. K. ZAGULAJEV (ZISP, St. Petersburg) for consultations and his help in determination of some species and Dr. G. S. ROBINSON (BMNH, London) for taxonomic information.

In this article, the following families are considered: Euplocamidae, Tineidae, Eriocottidae, Ochsenheimeriidae, Hieroxestidae and Roeslerstammiidae. Here principally the systems of ROBINSON (1986) and GAEDIKE (1997) were accepted. We consider the article not a taxonomic but a faunistic work and hope that it will be useful in faunistic researches not only in Russia but also in other European states.

¹ Part 1: Atalanta (1993) 24 (1/4): 89–120; part 2: Atalanta (2000) 31 (1/2): 265–292; part 3: Atalanta (2000) 31 (1/2): 293–326; part 4: Atalanta (1999) 29 (1/4): 295–336; part 5: Atalanta (2000) 31 (1/2): 327–367.

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

Samara – later Kujbyshev – now Samara

Simbirsk – now Uljanovsk

Sarepta – now Krasnoarmejsk of the Volgograd District

Orenburg – later Chkalov – now Orenburg

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 being flooded by the Volga's water during the erection of hydro-electric power stations and following increasing water levels. Before that Spassk had been situated at about 82 km ESE of Kasan on the left bank of the 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 paper

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 period of 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)

Column 12: Comments and larval foodplants

L larval foodplants, * indicating original data

TL type locality

E EVERSMANN

N	Species	Flight period										Comments
		E	A	V	S	S	U	B	U			
		V	S	O	A	A	L	A	R			
		E	T	L	R	M	J	S	A			
		R	R	G	A	A	A	H	L			
		S	A	O	T	R	N	K	S			
		M	K	G	O	A	O	I	K			
		A	H	R	V	V	R					
		N	A	A		S	I					
		N	N	D		K	A					
1	2	3	4	5	6	7	8	9	10	11	12	

Euplocamidae

1. *Euplocamus anthracinalis* – SCOPOLI, 1763 – eV-VI in 1 G Local and not common in broad-leaved woodland. L: dead wood of deciduous trees.

Tineidae

Scardiinae

2. *Montescardia tessulatella* – (LIENIG & ZELLER, 1846) – bV-VII in 1 G Rare in humid deciduous forests. L: pore-fungi* and dead wood of *Picea*.
3. *Scardia boletella* (FABRICIUS, 1794) (= *polyporti* ESPER, 1804) – VI-VIII in 1 G Comparatively rare in humid deciduous forests. L: *Fomes*, *Ganoderma*, *Polyporus*.
4. *Morophaga choragella* (DENIS & SCHIFFERMÜLLER, 1775) (= *boleti* FABRICIUS, 1777) + + + + bVI-bVIII in 1 G Was noted by E. as *Boletella*. Common in deciduous forests. L: bracket-fungi*, dead wood.

Nemapogoninae

5. *Neurothaumasia ankerella* (MANN, 1867) – VII-bVIII in 1 G Foliage forests. L: dead funged wood.
6. *Triaxomera fulvimetrella* (SODOFFSKY, 1830) – eIV-mVII, VIII-IX in 2 G Was noted by E. as *Fulvimitrella*. Broad-leaved forests. L: bracket-fungi and dead wood.
7. *Triaxomera parasitella* (HÜBNER, 1796) – VI in 1 G Very rare in broad-leaved forests. L: bracket-fungi (*Polystictus*, *Polyporus*, *Inonotus hispidus*) and dead wood of *Salix*, *Malus* and *Aesculus hippocastanum*.
8. *Nemaxera betulinella* (PAYKULL, 1785) (= *emortuella* ZELLER, 1839) – eVI-VII in 1 G Deciduous forests. L: bracket-fungi and dead wood of *Quercus*, *Salix*, *Alnus*, *Cerasus*.
9. *Petalographis orientalis* G. PETERSEN, 1961 – VII in 1 G Deciduous forests. L: bracket-fungi and dead wood.
10. *Nemapogon personellus* PIERCE & METCALFE, 1934 + eIV-bIX in 2 G Facultative synanthropic species. L: bracket-fungi, dead wood, grain, seeds, dried fruits, mushrooms, nuts, etc.

1	2	3	4	5	6	7	8	9	10	11	12
11.	<i>Nemapogon variatella</i> (CLEMENS, 1859) (= <i>heydeni</i> G. PETERSEN, 1957)		+ + + +		+ eV-VII; VIII in 2 G						Facultative synanthropic species, flying also in broad-leaved forests. L: bracket- and pore-fungi, dead wood, dried fruits, mushrooms, veg- etables, etc.
12.	<i>Nemapogon granellus</i> (LINNAEUS, 1758)		? ?		- IV-VI, VIII-IX in 2 G						Synanthropic storage pest. L: grain, seeds, dried fruits, mushrooms, nuts, etc.
13.	<i>Nemapogon clematella</i> (FABRICIUS, 1781) (= <i>arcella</i> auct.)				- V-VI, VII-IX in 2 G						Broad-leaved woodland. L: bracket-fungi and dead wood of <i>Alnus</i> and <i>Populus tremula</i> .
14.	<i>Nemapogon cloacella</i> (HAWORTH, 1828)		+ + + +		+ V-mVII, VIII-IX in 2 G						Old broad-leaved forests. Faculta- tive synanthropic species. L: bracket-fungi, dead wood, grain, meal, dried fruits, etc.
15.	<i>Anemapogon quercicolella</i> (HERRICH-SCHÄFFER, 1851)				- V-VI, VIII-IX in 2 G						Oak forests. L: bracket-fungi and dead wood of <i>Quercus</i> .
16.	<i>Anemapogon glirella</i> (HEIDENREICH, 1865)				- V-VI in 1 G						Very rare in deciduous forests. L: dead wood.
17.	<i>Paranemapogon fungi- vorella</i> (BENANDER, 1939)				- V-VI in 1 G						Very rare in deciduous forests. L: bracket-fungi and dead wood.
18.	<i>Archinemapogon yildizae</i> – KOCAK, 1981 (= <i>laterellus</i> THUNBERG, 1794)				+ eV-mVII in 1 G						Common in forests. L: bracket-fungi and dead wood of <i>Quercus</i> , <i>Betula</i> , <i>Prunus</i> , <i>Cerasus vulgaris</i> .
19.	<i>Longiductus picarella</i> (CLERCK, 1759)				+ eV-mVII in 1 G						Broad-leaved woodland. L: bracket-fungi and dead wood.
20.	<i>Longiductus nigralbella</i> (ZELLER, 1839)				- VI-VII in 1 G						Broad-leaved woodland. L: dead wood and bracket-fungi on <i>Alnus</i> , <i>Ulmus</i> .
21.	<i>Haplonea ditella</i> (PIERCE & METCALFE, 1938)				+ V-VIII in 2 G in na- ture and up to 4 G in rooms						Almost obligate synanthropic spe- cies habitating in houses, storages and birds' nests. L: destroys a wide range of stored goods.
22.	<i>Haplonea insectella</i> (FABRICIUS, 1794)		+ + + +		+ VI-VI, VIII in 2 G						Hemisynanthropic species. L: de- stroys a wide range of stored goods.
Tineinae											
23.	<i>Monopis laevigella</i> (DENIS + & SCHIFFERMÜLLER, 1775) (= <i>rusticella</i> HÜBNER, 1796)		+ + + +		- eV-VI, IX-X in 2 G						Hemisynanthropic species. In houses as well as nests of birds and mammals.
24.	<i>Monopis spilotella</i> (TENGSTRÖM, 1798)		+ -		+ V, IX in 2 G						Hemisynanthropic species. In houses as well as nests of birds and mammals. L: keratin-feeder.
25.	<i>Monopis crocicapitella</i> (CLEMENS, 1859)				- VI-VII in 1 G						Nests of birds and bats. L: kera- tin-feeder, occasionally on other substrates (grain, seeds, meal).

1	2	3	4	5	6	7	8	9	10	11	12
26.	<i>Monopis monachella</i> (HÜBNER, 1796)				+	+	+	mVI-bVII; bVIII in 2 G	Hemisynthropic species. In houses as well as nests of birds and mammals. L: keratin-feeder.		
27.	<i>Monopis obviella</i> (DENIS & SCHIFFERMÜLLER, 1775) (= <i>ferruginella</i> HÜBNER, [1813])				-	VI-mVII in 1-?2 G			Hemisynthropic species. In nests of birds and mammals, very rare in houses. L: keratin-feeder.		
28.	<i>Monopis pallidella</i> ZAGULAEV, 1955				+	VII-VIII in 1 G			TL: ?Guberla. Open places near for- ests. L: unknown.		
29.	<i>Monopis christophi</i> G. PETERSEN, 1957				-	V-mVI in 1 G			TL: Sarepta. L: unknown.		
30.	<i>Monopis imella</i> (HÜBNER, [1813]) (= <i>nitidella</i> ZAGULAEV, 1960)				-	mV-eVII, IX in 2 G			Nests of birds and animals, on dry carcasses and excrements of preda- tors. L: keratin-feeder.		
31.	<i>Tinea nonimella</i> (ZAGULAEV, 1955)				+	V-VI, mVIII-IX in 2 G			Nests of birds, bats and in houses. L: keratin-feeder.		
32.	<i>Tinea columbariella</i> WOCKE, 1857				-	m-eVI in 1 G			Birds' nests and houses. L: kera- tin-feeder.		
-	<i>Tinea steueri</i> G. PETERSEN, 1966				?		-	12.VII. 1994	Was noted from the Zhiguli pre- serve and figured by S. SACHKOV (1995) after one deformed ♂. Dr. G. S. ROBINSON (pers. comm.) had disagreed with this identification and supposed that the species be- longs to <i>T. pellionella</i> L. or <i>T.</i> <i>translucens</i> MEYRICK. Here we have to agree with his opinion, therefore <i>T. steueri</i> G. PETERSEN is deleted from the list.		
33.	<i>Tinea bothniella</i> SVENSSON, - 1953 (= <i>unidentella</i> ZAGULAEV, 1960; = <i>sibir-</i> <i>ella</i> ZAGULAEV, 1960)				+	VI-VII in 1 G			Birds' nests and houses. L: kera- tin-feeder. TL for <i>unidentella</i> ZAGULAEV, 1960 is Guberli.		
34.	<i>Tinea lapella</i> HÜBNER, 1805				-	?			Was mentioned by ZAGULAEV (1960: 179) from Ulyanovsk Distr.		
35.	<i>Tinea tugurialis</i> MEYRICK, 1932				-	VII-VIII in 1 G			Steppes and deserts. Probably on dead animals and in their nests. L: unknown.		
36.	<i>Tinea translucens</i> MEYRICK, 1917				-	VI-VIII in 2 G			Houses. From Sarepta noted by ROBINSON (1979). L: keratin-feeder.		
37.	<i>Tinea pellionella</i> (LINNAEUS, 1758)				-	during the whole year in few G			Almost obligate synanthropic spe- cies, occurs very seldom in birds' nests. L: keratin-feeder.		
38.	<i>Tinea trinotella</i> THUNBERG, 1794				-	VI-VII, VIII-IX in 2 G			Birds' nests and houses. L: keratin- feeder.		
39.	<i>Tinea svenssoni</i> OPHEIM, 1965				-	VI-VII in 1 G			Probably synanthropic species; very local but not rare. L: unknown.		

1	2	3	4	5	6	7	8	9	10	11	12
40.	<i>Tinea ignotella</i> ZAGULAJEV, 1956			+ +		VII in 1 G				Only ♂♂ are known. L: unknown.	
41.	<i>Tinea semifulvella</i> HAWORTH, 1828			-	VII-VIII in 1 G					Forests, houses. Occurs in birds' nests, on skin and wool of dead animals. L: keratin-feeder.	
42.	<i>Niditinea fuscipunctella</i> (HAWORTH, 1828)			+	III-mIX in few G					Nests of birds and mammals, houses. L: keratin-feeder.	
43.	<i>Niditinea strioella</i> (MAT-SUMURA, 1931) (= <i>pacifella</i> ZAGULAJEV, 1960)					7.-12.VI. 1995				Some specimens were attracted to light in Ulajnovsk town.	
44.	<i>Tineola bisselliella</i> (HUMMEL, 1823)			-	during the whole year in 1 G					Was noted by E. as <i>Crinella</i> . Obligate synanthropic species. L: keratin-feeder.	
45.	<i>Tineola furciferella</i> (ZAGULAJEV, 1954)			-	during the whole year in few G					Obligate synanthropic species. L: keratin-feeder. Was synonymized with the previous species by G. PETERSEN (1957). We accept here this taxon as a good species.	
46.	<i>Reisserita zelleri</i> (CARADJA, 1920)			o	VI in ?1 G					Poorly known steppe species. TL: Uralsk. L: unknown.	
47.	<i>Fermocelina christophi</i> (G. PETERSEN, 1957)			-	VI in 1 G					TL: Sarepta. Steppe and semideserts. L: unknown.	
48.	<i>Trichophaga tapetrella</i> (LINNAEUS, 1758)			+	mV-mVII in 1-2 G					Nests of birds, houses. L: keratin-feeder.	
49.	<i>Trichophaga scandi-naviella</i> ZAGULAJEV, 1960			-	bVI-VIII in 1-?2 G					Nests of birds, occasionally in houses. L: keratin-feeder.	
50.	<i>Trichophaga abruptella</i> WOLLASTON, 1858			+	?					Was mentioned from Uralsk Distr. by ZAGULAJEV (1960:254). No fresh material at our disposal.	
51.	<i>Elatobia fuliginosella</i> (LIENIG & ZELLER, 1846)			-	VI-VII, IX in 2 G					Very rare in steppes and forest-steppe. Birds' nests. L: keratin-feeder.	
Myrmecozelinae											
52.	<i>Cephitea colonella</i> ERSCHOFF, 1874			-	- V-VI, VIII in 2 G					Steppes and semideserts. L: detritus-feeder.	
53.	<i>Cephimallota crassiflave-la</i> BRUAND, 1850 (= <i>hasarorum</i> ZAGULAJEV, 1965)			?	VII in 1 G					Steppe. L: unknown.	
54.	<i>Anemallota praetoriella</i> (CHRISTOPH, 1872)			+	VI-VIII in 1 G					TL: Sarepta. Steppes. L: detritus-feeder.	
55.	<i>Pararhodobates syriacus</i> (LEDERER, 1857)			+	III-IV, X- XI in 2 G					Deserts and semideserts. L: detritus-feeder.	
56.	<i>Ceratuncus danubiella</i> (MANN, 1866)				IV-VI, IX in 2 G					Steppes and semideserts. L: detritus-feeder.	
57.	<i>Ateliotum hungaricellum</i> (ZELLER, 1839)			+	eVI-bVIII in 1 G					Steppes. L: detritus-feeder.	

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