

Casebearers from Caucasus (Lepidoptera: Coleophoridae)

V.V. Anikin & V.I. Shchurov

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A checklist of the Coleophoridae of Caucasus (North Caucasus of Russia, Georgia, Armenia, Azerbaijan) is presented. 127 species of 37 genera are recorded. Among them, 43 species are new to Caucasus, 22 to Azerbaijan, 4 to Armenia, 4 to Georgia, and 11 to Russia. Females of *Amselghia azishtella* Anikin and *Ecebalia monoceros* (Falk.) are described for the first time.

V.V. Anikin, Department of Biology, Saratov University, Astrakhanskaya ul. 83, Saratov 410026, Russia, e-mail: AnikinVV@info.sgu.ru

V.I. Shchurov, Krasnodar Forestry Board, ul. Krasnaya 22, Krasnodar 350640, Russia, e-mail: v_schuroff@hotmail.com

The casebearer fauna of Caucasus is poorly known. Fuchs (1903) described 4 species from Erevan, of which 3 remained nomina dubia and were not included in our review: *Coleophora angustiorella* Fuchs, 1903, *C. fuchsiella* Oudjeans, 1971 (*metallicella* Fuchs, 1903, nom. praeocc.), and *C. debilella* Fuchs, 1903. Filipjev (1926) recorded 19 species from the Stavropol Terr.; they are included in our list, except for "*Coleophora punctulatella* Z.", which is probably a misidentification; for 7 species, we examined Filipjev's specimens and confirmed his identifications. A checklist of 30 species from Caucasus was published by Patzak (1977) and 20 species were recorded from North Caucasus by Falkovitsh & Jalava (1997). Some additional records or descriptions of new species were published by Reznik (1977, 1989), Baldizzone & Patzak (1991), Falkovitsh (1991), Baldizzone (1994), and Anikin (1998).

In the check-list, the information is given in the following sequence: species name (with the most often used or the most important synonyms), reference to the publications in which this species was mentioned from Caucasus and/or material examined, distribution outside Caucasus.

Countries and administrative subdivisions are given in the list as follows: **Ar**, Armenia; **Az**, Azerbaijan; **Gg**, Georgia; **RU**, Russia (**RuR**, Rostov Prov.; **RuKr**, Krasnodar Terr.; **RuA**, Adygeya; **RuKB**, Kabardino-Balkaria; **RuS**, Stavropol Terr.; **RuD**, Dagestan). Localities are given in Fig. 1.

The names of collectors, whose material is kept in the Zoological Institute, St.Petersburg, are abbreviated as follows: Re. – S.Ya. Reznik, Rj. – M.A. Rjabov, T. – V.V. Tikhonov, Z. – A.K. Zagulajev. Extensive material from Kabardino-Balkaria was collected by A.A. Bolov (his name is abbreviated as B.). The remaining material was collected by Shchurov in Krasnodar Terr., Adygeya, Stavropol Terr. and Kabardino-Balkaria using a 240-v quartz-lamp in 1996-2000 and by Anikin in Krasnodar Terr. in 1999. The material collected by Bolov, Anikin and Shchurov is now deposited in the Zoological Institute, St.Petersburg, except for some duplicate specimens collected by Shchurov and kept in his collection.

In total, 127 species of 37 genera are recorded. Among them, 43 species (marked with *) are new to Caucasus. Four species are new to Armenia: *Orthographis brevipalpella*, *Damophila trifolii*, *Nemesia chalcogramella*, *Klinzigedia wockeela*. Twenty-two species are new to Azerbaijan: *Casas zernyi*, *Frederickoenigia flavipennella*, *Haploptilia hemerobiella*, *Damophila mayrella*, *D. deauratella*, *D. alcyonipennella*, *Symphypoda parthenica*, *Coleophora albidella*, *C. bedella*, *Apista gallipennella*, *Razowskia coronillae*, *Eupista ornati-pennella*, *E. lixella*, *Bourgogneja pennella*, *Perygra alticolella*, *P. taeniipennella*, *Ecebalia therinella*, *E. versurella*, *E. lassella*, *Ionescumi isomoera*, *Klinzigedia onopordiella*, *K. implicitella*. Four species are new to Georgia: *Amselghia felixella*, *Damophila deauratella*,

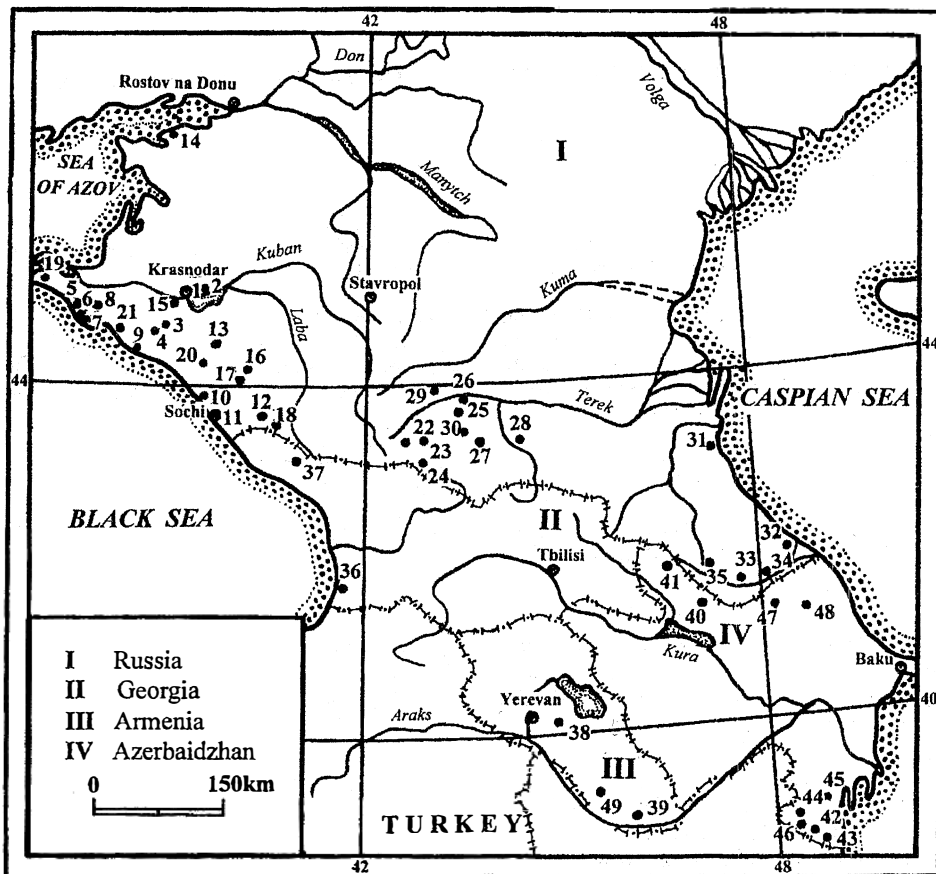


Fig. 1. Map of Caucasus, localities: 1, Krasnodar, Lenin vil.; 2, Starokorsunskaya; 3, Seversk Distr., vic. Ubinskaya, Mt. Sober-Oachokh; 4, Mt. Papai; 5, Anapa, Mt. Lysaya; 6, Sukko; 7, Bolshoi Utrish; 8, Natukhaevskaya; 9, Gelendzhik Distr., Betta; 10, Sochi, Lazarevskoe Distr., Lygotkh; 11, Sochi; 12, vic. Krasnaya Polyana, Achishkho Range; 13, Apscheronsk Distr., Chernigovskaya; 14, Eysk Distr., Shabelskoye; 15, Krasnodar env., Enem; 16, Azish-tau Range, vic. Kamyshanova Polyana; 17, Lagonaki Plateau; 18, vic. Krasnaya Polyana, Aibga Range; 19, Tamansk Peninsula, Mt. Polyvadina, vic. Veselovka; 20, Tuapse Distr., Central Caucasus mt., Mt. Lysaya; 21, Novorossiisk Distr., Shirokaya Balka; 22, Kabardino-Balkar Nature Reserve, Bezengi River; 23, Sovetskoe; 24, Sukon gorge; 25, Prokhladninsk Distr., Novo-Poltavsk; 26, Proletarskoe; 27, Planovskoe; 28, Urvan River; 29, Zolsk Distr., Sarmakovo; 30, Nalchik; 31, vic. Makhachkala, Mt. Talgi; 32, Derbent; 33, Akhtynsk Distr., Kurush; 34, Bala Hany; 35, Samursk Nature Reserve; 36, Batumi; 37, Abkhazia, Danisparetsli; 37, Ilen; 38, Megri; 40, Belab; 41, Zakatalsk Nature Reserve, Belokany; 42, Lenkoran Distr., Alekseevka; 43, Astarinsk Distr., Alasha; 44, Lerik; 45, Gosmaljan; 46, Girkan Nature Reserve, Talysh Mts. Avrora; 47, Kubinsk Distr., Dustaur; 48, Kuba; 49, Chananab.

Coleophora albidella, *Suireia alnifoliae*. Among 50 species new to N Caucasus, 11 are new to the fauna of Russia: *Casas zernyi*, *Haploptilia drymophila*, *H. kroneella*, *Tuberculia albitarsella*, *Amselghia rectilineella*, *Ardania colutella*, *Multicoloria berlandella*, *M. polonicella*, *Klimeschja rudella*, *Ecebalia monoceros*, *Casignetella trodlodytella*. New records from provinces of Russia outside Caucasus are marked with "!".

In the list, the modern nomenclature is used (Anikin & Falkovitsh, 1997; Falkovitsh, in press).

Check-list

**Casas zernyi* (Toll, 1944). Az: Belab, 24.V.1957, 4 ♂, 1 ♀ (Z.). RuKr: Abrau Peninsula, dry steppe, 27.V.2000, 2 ♀. – S Europe, N Africa, Syria, Iran.

Scleriductia ochripennella (Zeller, 1849). RuKr: Seversk Distr., Ubinskaya, Mt. Papai, 700 m,

8.VI.1996, 1 ♂; Gelendzhik Distr., Betta; 13.IX.1996, 1 ♀; Krasnodar, Lenin, 17.V.1999, 1 ♂. **RuA:** Azish-tau Range, 1400 m, meadow, 6.VII.1996, 5 ♂. **RuKB** (Falkovitsh & Jalava, 1997): Planovskoe, 8.VI.1997, 1 ♂ (B.). – Russia (Volgograd, Saratov, Ulyanovsk, and Samara Prov., Ural), Europe.

Frederickoenigia flavipennella (Duponchel, 1843). **Az:** Astarinsk Distr., Alasha, 1.IX.1962, 1 ♀ (Z.); Lerik, 5.VI.1964, 1 ♀ (Z.). **RuKr:** Anapa, Mt. Lysaya, oak forest, 28.VII.1999, 1 ♀; Mt. Aibga, 950 m, 26.VII.2000, 4 ♂, 1 ♀. **RuKB:** Teberda (Patzak, 1977). – Russia (Volgograd, Saratov, Ulyanovsk, Samara, and !Kaluga Prov., Ural); Europe, Asia Minor.

Haploptilia serratella (Linnaeus, 1761) (= *fuscidentella* Zeller, 1849). **RuKB:** Teberda (Patzak, 1977). – Russia (Volgograd, Saratov, Ulyanovsk, Samara, !Kaluga, !Tula, !Orel, !Smolensk, !Novosibirsk, and Irkutsk Prov., Ural). Holarctic.

H. prunifolia (Doets, 1944). **RuKr:** Krasnodar, Lenin, 11.VI.1998, 1 ♀. **RuKB:** Teberda (Patzak, 1977). **RuS:** Stavropol, 16.VI.1984, 1 ♂ (Re.). – Russia (Volgograd, Saratov, Ulyanovsk, Samara, and !Kaluga Prov.); Europe.

H. spinella (Schrank, 1802) (= *cerasivorella* Packard, 1870; = *serratella* auct.). **RuS:** Essentuki (Falkovitsh & Jalava, 1997). **RuD:** Bala Hany, 1400 m, 9.IV.1994, 1 ♀ (Z.). – Russia (Volgograd, Saratov, Ulyanovsk, Samara, and !Kaluga Prov.). Holarctic.

H. nairica Falkovitsh, 1991. **Ar:** Kirovakan, Erevan, Stepanovan, Echmiadzin (Falkovitsh, 1991). **RuS:** Essentuki (Falkovitsh & Jalava, 1997).

H. drymophila Falkovitsh, 1991. **Az:** Adzhikend (Falkovitsh, 1991). **Gg:** Adzharia, Abhazia, Adzhikend (Falkovitsh, 1991). **RuKB:** Leginsk, 30.VI.1997, 1 ♂ (B.).

H. hemerobiella (Scopoli, 1763). **Ar:** Erevan (Baldizzone, 1994). **Az:** Astarinsk Distr., Alasha, 1.IX.1962, 1 ♂ (Z.). – Russia (Volgograd, Saratov, Ulyanovsk, Samara, and !Tula Prov.); Europe, Syria, Turkmenistan.

H. kroneella (Fuchs, 1899). **Ar** (Baldizzone, 1994). **RuKr:** Seversk Distr., Ubinskaya, Mt. Papai, 800 m, 8.VI.1996, 1 ♂. – Europe, Turkey.

***Dumitrescumia cecidophorella** (Oudejans, 1972) (= *icterella* Toll, 1949). **RuKr:** Krasnodar, Lenin, 6.VIII.1996, 1 ♀. – Russia (Saratov, Ulyanovsk, and Samara Prov.); Middle and S Europe.

Tollia violacea (Ström, 1783) (= *paripennella* auct.). **RuS** (Filipjev, 1926). – Russia (Saratov, Ulyanovsk, and Samara Prov.); Europe, N Africa.

***Agapalsa luscinaepennella** (Treitschke, 1833) (= *viminetella* Zeller, 1849). **RuKB:** Kabardino-Balkar Nature Reserve, Bezengi River, 5.VII.1997, 1 ♂ (B.). – Russia (Saratov Prov., Ural); Europe.

***A. idaeella** (O. Hofmann, 1869). **RuKB:** Kabardino-Balkar Nature Reserve, 1400-1600 m, 20.VI.1986, 1 ♂ (Z.). – Russia (Ulyanovsk Prov., Altai); N and C Europe.

***Tuberculia albitarsella** (Zeller, 1849). **RuKB:** Nalchik, Belorechka, 700 m, 27.V.1997, 1 ♂ (Z.). – Europe.

Orthographis parcella (Toll, 1952). **Ar** (Baldizzone, 1994). – Iran, Turkey.

***O. virgatella** (Zeller, 1849). **RuKr:** Eysk Distr., Shabelskoye, 31.V.1997, 3 ♂, 1 ♀. – Russia (Volgograd and Saratov Prov., Ural); C and S Europe, Asia Minor.

O. chamaedriella (Bruand, 1852). **RuKB:** Teberda (Patzak, 1977). – Europe, N Africa.

***O. brevipalpella** (Wocke, 1874). **Ar:** Ilen, 22.V.1957, 1 ♂ (Z.). – Russia (Leningrad Prov.); Europe.

O. albipennella (Staudinger, 1880). **Ar** (Baldizzone, 1994). **RuS** (Filipjev, 1926; examined). – Asia Minor, Iran.

O. obtectella (Zeller, 1849). **Ar** (Baldizzone, 1994). – Europe, Turkey.

***Aporiptura ochroflava** (Toll, 1961). **RuKr:** Tamansk Peninsula, Veselovka, steppe, 22.VIII.1999, 3 ♀. **RuKB:** Proletarskoe, 17.VI.1998, 2 ♀ (B.). **RuD:** 100 km NW of Derbent, 26-28.V.1994, 1 ♀ (T.). – Russia (Astrakhan and Volgograd Prov.); S Europe, Middle Asia.

***A. klimeschiella** (Toll, 1952). **RuD:** 100 km NW of Derbent, 26-28.V.1994, 1 ♀ (T.). – Russia (Astrakhan, Volgograd, and Saratov Prov.), E Mediterranean region, steppe zone and deserts: from Greece and Hungary to Pakistan.

Amseliphora niveicostella (Zeller, 1839) (= *longicostella* Stainton, 1867). **Gg** (Baldizzone, 1994). **RuKB** (Falkovitsh & Jalava, 1997). – Europe, Palestine, N Africa.

Amselghia felixella (Baldizzone, 1994). **Ar:** Dilizhan (Baldizzone, 1994). **Gg:** Abkhazia, Chkhaltinskii Range, lake Peh, 25.VI.1982, 1 ♂ (Z.). **RuKB:** Teberda (Baldizzone, 1994). **RuS:** Kislovodsk (Falkovitsh & Jalava, 1997).

***A. rectilineella** (Fischer von Roeslerstamm, 1839). **RuKr:** Seversk Distr., Ubinsk, Mt. Sober-Oachokh, steppized meadows, 700 m, 9.V.1999, 1 ♂; Anapa, Mt. Lysaya, 5.VI.1999, meadows, 850 m, 6 ♂, 1 ♀. **RuA:** Azish-tau Range, meadows, 1400 m, 13.VI.1999, 2 ♂. – C Europe.

A. subnivea (Filipjev, 1925). **RuKB:** Nalchik, 30.V.1990, 1 ex. (Z.). **RuS** (Filipjev, 1926).

A. balkara Falkovitsh & Jalava, 1997. **RuKr:** Apsheronsk Distr., Chernigovskaya, oak forest, 800 m, 9.V.1996, 1 ♂; Black Sea coast, Anapa, vic. Sukko, Bolshoi Utrish, chalk slopes, 16.VI.1997, 1 ♂; Sochi, Achishkho Range, 1800 m, 28.VI.1998, 3 ♂; Sochi, Aibga Range, 1850 m, alpine meadows, 10.VII.1999, 2 ♂, 1 ♀. **RuA:** Caucasian Nature Reserve, plateau Lagonaki, 2000 m, 17.VII.1998, 1 ♂; Enem, oak glade, 11.V.1996, 1 ♂. **RuKB** (Falkovitsh & Jalava, 1997).

A. azishtella Anikin, 1998. **RuA:** Azish-tau Range, Kamyshanova Polyana, fir-beech forest, 1350 m, 6.VII.1996, 1 ♂; same locality, 15-16.VII.1998, 2 ♂, 2 ♀. Females were hitherto unknown.

Ardania sergiella Falkovitsh, 1979. **RuKB** (Falkovitsh & Jalava, 1997). – Russia (Altai); France, Austria, Mongolia.

A. colutella (Fabricius, 1794) (= *serenella* Duponchel, 1843). **RuKr:** Apsheronsk Distr., Sochi, 8-11.VI.1987, 4 ex., ex.l. on *Medicago* (Re.). **RuKB:** Kabardino-Balkar Nature Reserve, 2200 m, 19.VII.1989, 1 ♂ (Z.). – Europe.

A. albicostella (Duponchel, 1842). **RuS** (Filipjev, 1926; examined). – Russia (Altai); Europe, Asia Minor, SW Siberia, Mongolia.

Damophila mayrella (Hübner, 1813) (= *spissicornis* Haworth, 1828). **Az:** Gel-Gel, 1700 m, 18.VI.1964, 1 ♂ (Z.). **RuKB** (Falkovitsh & Jalava, 1997): Teberda (Patzak, 1977); Kabardino-Balkar Nature Reserve,

Bezengi River, 15.VII.1989, 1 ♂ (Z.); Bulungu, 15.VII.1997, 1 ♂ (B.). **RuD**: Samursk Nature Reserve, 17.V.1992, 1 ♂ (Z.). – Russia (Astrakhan, Volgograd, Saratov, Ulyanovsk, and Samara Prov., Ural). Transpalearctic, introduced in N America and New Zealand.

D. deauratella (Lienig & Zeller, 1846). **Az**: Nakhichevan Prov., Chananab, 28.IV.1955, 1 ♂ (Z.); Gel-Gel, 1700 m, 19.VI.1964, 2 ♂ (Z.). **Gg**: Abkhazia, Danisparetsli, 26.VI.1969, 1 ♂ (Z.). **RuKr**: Anapa, Mt. Lysaya, steppe, 9.VI.1998, 1 ♀; Sochi, Aibga Range, 1850 m, alpine meadows, 10.VII.1999, 1 ♂. **RuKB**: Upper Balkar, 21.VI.1987, 1 ♂ (Z.); Kabardino-Balkar Nature Reserve, 3.V.1997, 1 ♂ (B.); Kenzhe, 6.VI.1997, 3 ♂, 1 ♀ (B.). **RuS** (Filipjev, 1926): Kislovodsk (Falkovitsh & Jalava, 1997). – Russia (Astrakhan, Volgograd, Saratov, Ulyanovsk, Samara, Kaluga, Tula, Smolensk, and Novosibirsk Prov., Altai, Ural). Transpalearctic, introduced in N America.

***D. alcyonipennella** (Kollar, 1832) (= *cuprariella* Zeller, 1847). **Az**: 20 km E of Lerik, 4-5.VII.1964, 8 ♂ (Z.); Lenkoran Distr., Alekseevka, 29.VI.1962, 1 ♂ (Z.); Kuba, garden, 21.VII.1962, 1 ♂ (Z.); Talysh Mts, Avrora, 12.VII.1964, 2 ♂ (Z.). **RuKr**: Adler, 28.VI.1978, 1 ♂, 2 ♀ (Re.); Seversk Distr., Ubinskaya, Mt. Papai, 800 m, 18-19.VI.1997, 1 ♀. **RuKB**: Upper Balkar, 1.VIII.1989, 1 ♂ (Z.); Kabardino-Balkar Nature Reserve, 2200 m, 23.VI.1990, 2 ♂ (Z.); Planovskoe, 8.VI. and 9.VII.1997, 3 ♂ (B.). **RuS** (Filipjev, 1926). **RuD**: Kurush, 2700 m, 5.VII.1990, 10 ♂ (Z.). – Russia (Astrakhan, Volgograd, Saratov, Ulyanovsk, Samara, !Kaluga, Novosibirsk, and Irkutsk Prov., Altai, Ural, Yakutia). Transpalearctic, introduced in N America, Australia, and New Zealand.

D. frischella (Linnaeus, 1758) (= *auronitella* Toll, 1962). **Ar**: Erevan (Patzak, 1977). **Gg**: Tbilisi (Patzak, 1977). **RuKr**: Mzymta River, 1750 m, 30.VII.2000, 2 ♂. **RuKB** (Falkovitsh & Jalava, 1997): Teberda (Patzak, 1977); Kabardino-Balkar Nature Reserve, 2200 m, 22.VI.1990, 2 ♂ (Z.). **RuS** (Filipjev, 1926). – Russia (Saratov and Ulyanovsk Prov., Altai). W Palearctic.

D. trifolii Curtis, 1832 (= *melilotella* Scott, 1861). **Ar**: Erevan, the city zoo, 10.VI.1960, 1 ♀ (Z.); 10 km NE Megri, Kaladash Gorge, 15.VII.1960, 1 ♀ (Z.). **RuKr**: Krasnodar, Lenin, 1.VI.1998, 1 ♂; Anapa, Mt. Lysaya, steppe, 9.VI.1998, 1 ♀. **RuKB**: Proletarskoe, steppe, 16.VI.1998, 1 ♀ (B.). **RuS**: Kislovodsk (Falkovitsh & Jalava, 1997). – Russia (Astrakhan, Volgograd, Saratov, Ulyanovsk, Samara, Kaluga, Tula, Smolensk, Novosibirsk, and Irkutsk Prov., Altai, Ural). Holarctic, introduced in North America.

***Calcomarginia ballotella** (Fischer von Roeslerstamm, 1839). **RuKB**: Proletarskoe, steppe, 17.VI.1998, 1 ♀ (B.). **RuS** (Filipjev, 1926; examined). – Russia (Volgograd, Saratov, and !Novosibirsk Prov.); C and S Europe, Asia Minor.

Symphypoda parthenica (Meyrick, 1891) (= *cygnipennella* Toll, 1956; = *candidella* Toll, 1959; = *transcaspica* Toll, 1959). **Ar**: Erevan (Patzak, 1977). **Az**: Lerik, 5-6.VI.1962, 1 ♂ (Z.). – Russia (Astrakhan, Volgograd, and Saratov Prov., Ural). S Palearctic from Algeria and Greece to Mongolia.

***Oedicaula serinipennella** (Christoph, 1872). **RuKB**: Proletarskoe, steppe, 17.VI.1998, 1 ♀ (B.). – Russia (Astrakhan, Volgograd, Saratov, and Ulyanovsk Prov., Ural). Transpalearctic (southern part).

Coleophora anatipennella (Hübner, 1796) (= *bernoulliella* Goeze, 1783). **Ar** (Baldizzone, 1994). **RuKr**: Anapa, Natukhaevskaya, 20.V.1997, on *Betonica*, ex.l. 15.VI.1997, 1 ♀; Seversk Distr., Ubinskaya, Mt. Papai, 800 m, 8.VI.1997, 1 ♂. **RuKB** (Falkovitsh & Jalava, 1997): Teberda (Patzak, 1977). **RuS** (Filipjev, 1926). – Russia (Saratov, Ulyanovsk, !Kaluga, and !Orel Prov., Ural, Altai), Europe, Iran, Mongolia.

***C. albidella** (Denis & Schiffermüller, 1775). **Az**: Zakatalsk Nature Reserve, forest zone, 12.VI.1962, 1 ♂ (Z.). **Gg**: Adzharia, Kintrishsk Nature Reserve, Hiknara, 7.VII.1974, 1 ♂ (Z.). **RuKr**: Seversk Distr., Ubinskaya, Mt. Papai, oak-beech forest, 700 m, 11.V.1996 and 8.VI.1997, 2 ♂; Sochi, Lygotkh, oak forest, 450 m, 1 ♀. **RuA**: Sober-Oachokh Mt., oak forest, 450 m, 8.VI.1998, 1 ♂. – Russia (Saratov Prov., Ural, Altai). Transpalearctic.

C. kuehnella (Goeze, 1783) (= *palliatella* Zincken, 1813; = *pallipennella* Treitschke, 1833). **RuKB**: Teberda (Patzak, 1977). – Russia (Saratov, Samara, and !Kaluga Prov., Ural); Europe, Asia Minor.

C. ibipennella Zeller, 1849 (= *nemorum* Heinemann, 1854). **RuA**: Sober-Oachokh Mt., oak forest, 450 m, 8.VI.1998, 1 ♂. – Russia (Saratov, Ulyanovsk, and Samara Prov., Ural); Europe, N Africa, Lebanon.

***C. betulella** Heinemann & Wocke, 1877. **RuKr**: Seversk Distr., Ubinskaya, Mt. Papai, 800 m, forest-steppe, 18-19.VI.1998, 1 ♀; Mt. Markotkh, 460 m, 28.VI.2000, 2 ♂. – Russia (Samara and !Kaluga Prov.); Europe.

***C. zelleriella** Heinemann, 1854 (= *pannonicella* Gozmany, 1956; = *platyphyllae* Oku, 1965). **RuKr**: Seversk Distr., Ubinskaya, upper reaches of Papai River, forest-steppe, 700 m, 18-19.VI.1998, 3 ♂, 1 ♀; Anapa, Mt. Lysaya, oak forest, 7. and 28.VII.1999, 3 ♂; Mt. Aibga, 950 m, 26.VII.2000, 2 ♂. – Russia (Saratov Prov., Far East); Europe, Iran, Japan.

C. bedella Falkovitsh, 1976. **Az**: Kuba, 23.VII.1962, 1 ♂ (Z.). – Iran.

***C. currucipennella** Zeller, 1839 (= *nemorum* Heinemann, 1854; = *cristinae* Căpușe, 1971). **RuKr**: Seversk Distr., Ubinskaya, Mt. Papai, forest, 700 m, 18.VI.1998, 1 ♀; Anapa, Mt. Lysaya, oak forest, 28.VII.1999, 1 ♂; Mt. Aibga, 950 m, 26.VII.2000, 1 ♂. – Russia (Ulyanovsk, Samara, !Moscow, !Belgorod, !Kaluga, and !Novosibirsk Prov.). Transpalearctic.

Phagolamia auricella (Fabricius, 1794) (= *paucinotella* Toll, 1961). **RuKB**: Teberda (Patzak, 1977). – Russia (Ulyanovsk and Tula Prov.); Europe (except northern part).

***Apista gallipennella** (Hübner, 1796). **Az**: Belokany, forest, 700 m, 13.VI.1964, 1 ♀ (Z.); Lerik, 2.VII.1964, 1 ♂ (Z.). **RuKB**: Kabardino-Balkar Nature Reserve, 8.VI.1980, 1 ♀ (Z.). – Russia (Saratov, Samara, !Tula, and !Novosibirsk Prov.); Europe, Asia Minor, Mongolia.

Metapista ferruginea (Baldizzone, 1994). **Ar** (Baldizzone, 1994). – Asia Minor, Iran.

Razowskia coronillae (Zeller, 1849). **Az**: Lerik, 2.VII.1964, 1 ♂ (Z.). **RuKr**: Anapa, Mt. Lysaya, 22.VI.1999 and 15.VII.2000, 850 m, 4 ♂; Mt. Markotkh, 28.VI.2000, 4 ♂, 1 ♀. **RuA**: Sober-Oachokh Mt., steppe, 8.VII.1998, 1 ♂; Azish-tau Range, 1400 m, 15.VII.1998, 1 ♂. **RuKB**: Teberda (Patzak, 1977). – Russia (Saratov, Samara, and Ulyanovsk Prov.). W Palearctic.

Stabilaria univittella (Staudinger, 1880). Ar (Baldizzone, 1994). – Crimea, Asia Minor, Turkmenistan, Iran.

Multicoloria partitella (Zeller, 1849). Az: Lenkoran (Reznik, 1989). – Russia (Volgograd, Saratov Distr., Altai); Europe, Asia Minor.

***M. conspicuella** (Zeller, 1849). RuKr: Anapa, Sukko, 14.VI.1997, larvae on *Gallium*, ex.l. 9.V.1998, 1 ♂, 1 ♀. – Russia (Astrakhan, Volgograd, Saratov, and Kaluga Prov., Ural, Altai). Transpalearctic.

M. vicinella (Zeller, 1849). Ar (Baldizzone, 1994): Erevan (Patzak, 1977). RuR (Reznik, 1977). – Russia (Volgograd, Saratov, and Ulyanovsk Prov.). W Palearctic (southern half).

M. berlandella (Toll, 1956). Az: Lenkoran (Reznik, 1989). RuKr: Black Sea coast, Gelendzhik Distr., Betta, 12.V.1996, on *Astragalus asper* Jacq., 2 ♂; same locality, 14.IV.1998, ex.l. 29.V.1998, 1 ♀. – N Africa, S Europe, Asia Minor, Middle Asia.

***M. polonicella** (Zeller, 1865). RuKr: Anapa, Mt. Lysaya, 6.V.1997, on *Onobrychis*, ex.l., 1.VI.1997, 2 ♂, 1 ♀; Anapa, Sukko, 24.V.1997, 1 ♀. – Poland, Germany.

M. geghardella (Baldizzone, 1994). Ar (Baldizzone, 1994).

M. symphistropha Reznik, 1976. Az: Lenkoran (Reznik, 1989). – Turkey.

M. dubiella (Baker, 1888) (= *reisleri* Rebel, 1926). Az: Lenkoran (Reznik, 1989). – S Europe, N Africa, Asia Minor.

M. guttella Reznik, 1971. Az: Lenkoran (Reznik, 1989). – Middle Asia.

M. fuscociliella (Zeller, 1849) (= *medicaginis* Herrich-Schäffer, 1861). RuKr: Krasnodar, Anapa, 12.VI.1997, 1 ♂. RuD (Reznik, 1977): Khodzhal-Makhi, 26.VI.1926, 1 ♂ (Rj.). – Russia (Astrakhan, Volgograd, and Ulyanovsk Prov., Altai). W Palearctic (southern part from Italy to Altai).

M. ditella (Zeller, 1849) (= *anatolica* Toll, 1952). Ar (Baldizzone, 1994). RuKB: Teberda (Patzak, 1977); Karagach, 27.V.1998, 1 ♀ (B.). – Russia (Astrakhan, Volgograd, Saratov, Samara, and Ulyanovsk Prov., Ural); Europe, N Africa, Middle Asia, Iran, Mongolia.

M. cracella (Vallot, 1835). RuR (Reznik, 1977). – Russia (Volgograd and Saratov Prov.); S Europe.

***Suireia milvipennis** (Zeller, 1839). RuKr: Seversk Distr., Ubinskaya, Mt. Papai, 18.VI.1998, 1 ♀. RuA: Sober-Oachokh Mt., oak forest, 450 m, 26.IV.1998, ex.l. on *Carpinus betulus*, 27.V.1998, 1 ♂; same locality, 8.VI.1998, 1 ♂. – Russia (Leningrad, Ulyanovsk, Kaluga, and Irkutsk Prov.). Transpalearctic.

***S. badiipennella** (Duponchel, 1843). RuKB: Nalchik, Nalchik River, 22.VI.1986, 1 ♀ (Z.); Nalchik, botanical garden, 1.VII.1986, 1 ♂ (Z.). – Russia (Samara Prov., Ural); Europe, Iran.

***S. alnifoliae** (Barasch, 1934). Gg: Batumi, Dzho-Dzho, 9.VI.1974, 1 ♀ (Z.). – Russia (Kaluga Prov.); Europe, Canada.

S. limosipennella (Duponchel, 1842). Ar (Baldizzone, 1994): Erevan (Patzak, 1977). RuS (Filipjev, 1926). – Russia (Samara Prov.); Europe, Middle Asia.

S. trigeminella (Fuchs, 1881). Ar (Baldizzone, 1994). – Europe, Turkey.

***Argyrectia ochrea** (Haworth, 1828). RuKr: Krasnodar, Lenin, 6.VIII.1996, 1 ♀. – Russia (lower Volga); Europe, Asia Minor.

Eupista ornatipennella (Hübner, 1796). Az: Belab, 24.V.1957, 1 ♀ (Z.); Gosmaljan, 29.VI-1.VII.1964, 5 ♂, 4 ♀ (Z.). RuKB: Teberda (Patzak, 1977). RuS (Filipjev, 1926). – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, Tula, and Omsk Prov., Ural, Altai); Middle and South Europe, Asia Minor, Middle Asia (Kopetdagh).

E. lixella (Zeller, 1849). Ar (Baldizzone, 1994): Ilen, 22.V.1957, 2 ♀ (Z.). Az: Kubinsk Distr., Dustaur, 1400 m, 1 ♂, 1 ♀ (Z.). RuA: Azish-tau Range, 1400 m, mixed forest, 16.VII.1998, 1 ♂. RuKB (Falkovitsh & Jalava, 1997): Nalchik, 3.VII.1989, 1 ♂ (Z.); Kabardino-Balkar Nature Reserve, Bezengi River, 1700 m, 15-16.VII.1989, 8 ♂, 2 ♀ (Z.); same locality, 17.VII.1989, 8 ♂, 1 ♀ (B.). RuS: Kislovodsk, Essentuki (Falkovitsh & Jalava, 1997). RuD: Dagestan, Akhtynsk Distr., Kurush, 2600 m, 1 ♂ (Z.). – Russia (Saratov, Samara, Ulyanovsk, and Tula Prov.); Europe, Asia Minor.

E. caucasica (Stainton, 1867). RuKr: Gelendzhik Distr., Betta, 22.VI.1996, 2 ♀; Anapa, Mt. Lysaya, 22.VI.1999, 1 ♀; Mt. Markotkh, 460 m, 26.VI.2000, 2 ♂, 3 ♀. RuS (Filipjev, 1926; examined). GG: Akhalsikhe (Stainton, 1867).

***Klimeschja rudella** (Toll, 1944). RuKB: Kabardino-Balkar Nature Reserve, Bezengi River, 22.VI.1990, 1 ♂ (Z.). – Europe.

***Bourgogneja pennella** (Denis & Schiffermüller, 1775) (= *onomella* Brahm, 1791). Az: Gosmaljan, 1 ♀, ex.l. on *Artemisia* 10.VI.1988 (Re.). RuD: Akhtynsk Distr., Kurush, 2500 m, 4.VI.1994, 1 ♀ (Z.). – Russia (Samara and Ulyanovsk Prov., Ural). W Palearctic (middle and southern parts).

***Perygra murinipennella** (Duponchel, 1844) (= *otidipennella* Hübner, 1817). RuKB: Kabardino-Balkar Nature Reserve, 28.V.1988, 1 ♀ (Z.); same locality, 2200 m, 22.VI.1990, 1 ♂ (Z.). – Russia (Far East, Altai); Europe.

***P. alticolella** (Zeller, 1849) (= *caespitiella* auct.). Az: Kuba, 16.VII.1962, 1 ♂ (Z.). RuKr: Krasnodar, Lenin, 30.VII.1996, 1 ♀. RuA: Azish-tau Range, 1400 m, meadow, 5.VII.1996, 1 ♀. RuKB (Falkovitsh & Jalava, 1997). – Russia (Saratov, Samara, Ulyanovsk, and Kaluga Prov., Altai, Chukotka). Holarctic.

***P. caespitiella** (Zeller, 1839). RuKr: Seversk Distr., Ubinskaya, Mt. Papai, 800 m, steppe, 8.VI.1996, 3 ♂. RuA: Azish-tau Range, 1400 m, alpine meadows, 13.VI.1999, 1 ♂. – Russia (Samara and Ulyanovsk Prov.); Europe.

P. glauciolella (Wood, 1892). Gg: Tbilisi (Patzak, 1977). RuKr: Krasnodar, Lenin, 23.V and 1.VI.1996, 2 ♂; Seversk Distr., Ubinskaya, Mt. Papai, open woodland of juniper, 11.VI.1996, 1 ♂; same locality, step-pized meadow, 11.VII.1996, 1 ♂. RuA: Azish-tau Range, 1400 m, meadow, 6.VII.1996, 1 ♂, 1 ♀; same locality, 26.VII.1997, 2 ♂. RuD: Samursk Nature Reserve, 17.V.1992, 1 ♀ (Z.). – Russia (Volgograd, Saratov, Samara, Ulyanovsk, Kaluga, Smolensk, and Novosibirsk Prov.). Holarctic.

P. taeniipennella (Herrich-Schäffer, 1855). Ar: Erevan (Patzak, 1977). Az: Gosmaljan, old garden, 1.VII.1964, 1 ♂ (Z.). RuKB: Teberda (Patzak, 1977). – Russia (Samara and Ulyanovsk Prov.). W Palearctic.

***Nemesia chalcogrammella** (Zeller, 1839). Ar: Araks River, Nyuvadi, 1.IX.1932, 1 ♀ (Rj.). – Europe.

Ecebalia therinella (Tengström, 1848). **Az:** Zakatalsk Nature Reserve, forest zone, 6.VIII.1962, 1 ♂, 1 ♀ (Z.). **RuKB** (Falkovitsh & Jalava, 1997): Nalchik, botanical garden, 26.VI.1989, 1 ♀ (Z.); Kabardino-Balkar Nature Reserve, 1350 m, 11-30.VII.1989, 7 ♀ (Z.); vic. Elbrus, 26.VI.1996, 1 ♀ (B.). **RuS:** Essentuki (Falkovitsh & Jalava, 1997). – Russia (Astrakhan, Volgograd, Saratov, Samara, !Kaluga, !Orel, and Irkutsk Prov., Altai, Yakutia). Transpalearctic.

***E. monoceros** (Falkovitsh, 1975). **RuKB:** vic. Bulungu, 8.VIII.1998, 1 ♂, 1 ♀ (B.) (females were hitherto unknown). – Mongolia.

E. vestianella (Linnaeus, 1758) (= *laripennella* Zetterstedt, 1839). **Ar** (Baldizzone, 1994). **RuKB** (Falkovitsh & Jalava, 1997): Teberda (Patzak, 1977); Kabardino-Balkar Nature Reserve, 1700 m, 15.VII.1989, 3 ♂ (Z.); same reserve, Bezengi River, 22.VII.1997, 4 ♂, 3 ♀ (B.); same locality, 16.VII.1998, 1 ♂, 2 ♀ (B.); Sarmakovo, 17.VIII.1989, 1 ♂, 1 ♀ (B.). **RuS** (Filipjev, 1926). – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, !Kaluga, !Tula, Ural, Novosibirsk, and Irkutsk Prov., Altai, Buryatia, Yakutia). Transpalearctic.

E. squamosella (Stainton, 1856) (= *podolensis* Toll, 1938; = *sabulicola* Benander, 1939). **RuKr:** Anapa, Natukhaevskaya, 14.IX.1997, 1 ♂. **RuKB** (Falkovitsh & Jalava, 1997): Kabardino-Balkar Nature Reserve, 1700 m, 15.VII.1989, 1 ♂, 1 ♀ (Z.); same locality, 17.VII.1998, 1 ♀ (B.). – Russia (Altai, Irkutsk Prov., Chukotka). Transpalearctic.

***E. gaviaepennella** (Toll, 1952). **Ar** (Baldizzone, 1994). **RuKB:** Sukon gorge, 6.VIII.1997, 1 ♂ (B.); Bulungu, 8.VIII.1998, 2 ♂ (B.). – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, !Kaluga, and Novosibirsk Prov., Altai, Buryatia). W Palearctic (southern part), Mongolia.

E. eichleri (Patzak, 1977). **Ar:** Erevan (Patzak, 1977). – Russia (Volgograd Prov.), Middle Asia.

E. sternipennella (Zetterstedt, 1839) (= *flaviginella* Liening & Zeller, 1846). **RuKr:** Krasnodar, Lenin, 20.VII.1996, 1 ♀; same locality, 31.VIII.1996, 1 ♂, 1 ♀; same locality, 21.XI.1996, ex.l., 7.X.1997, 1 ♀. **RuKB:** Teberda (Patzak, 1977); Kabardino-Balkar Nature Reserve, Bezengi River, 19.VII.1997, 3 ♂, 1 ♀ (B.); same locality, 17.VII.1998, 1 ♂ (B.). – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, !Tula, and !Kaluga Prov., Ural, Altai). W Palearctic.

***E. versurella** (Zeller, 1849) (= *agricolella* Fuchs, 1886; = *amaranthivora* Oku, 1965). **Az:** Zakatalsk Nature Reserve, forest zone, 10.VI.1962, 1 ♂ (Z.); Lenkoran Distr., Alekseevka, 29.VI.1962, 1 ♂ (Z.). **RuKr:** Adler, 29.VI.1972, 3 ♀ (Re.); Krasnodar, Lenin, 11.VI.1999, 1 ♀. **RuKB:** Nalchik, botanical garden, 23.VI.1989, 1 ♀ (Z.); Sovetskoe, 19.VI.1997, 1 ♂ (B.); Kabardino-Balkar Nature Reserve, Bezengi River, 5.VI.1998, 2 ♂, 5 ♀ (B.); Proletarskoe, 16.VI.1998, 1 ♂ (B.). **RuS** (Filipjev, 1926). The species is very common in the region in anthropogenic landscapes. – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, !Kaluga, !Orel, and Novosibirsk Prov., Ural, Altai). Holarctic, recorded also from Argentina.

***E. pseudolinosyris** Kasy, 1979. **RuKr:** Anapa, Mt. Lysaya, vic. Su-Psek, 14.IX.1999, 4 ♂, 1 ♀. – Russia (Volgograd, Saratov, Samara, and Ulyanovsk Prov., Altai, Baikal); Europe (southern part).

***E. lassella** (Staudinger, 1859) (= *telavivella* Toll, 1942). **Az:** Lenkoran Distr., Alekseevka, 29.VI.1962, 1 ♀ (Z.); same locality, 11.V.1964, 1 ♂ (Z.). – Europe, N Africa, Asia Minor, Canary Is.

E. salinella (Stainton, 1858). **Ar** (Baldizzone, 1994). – Europe.

***E. adpersella** (Benander, 1939). **RuKr:** Gelendzhik Distr., Betta, 13 and 18.IX.1996, 2 ♀. – Russia (Volgograd, Saratov, Samara, and Ulyanovsk Prov.); Europe.

E. tamesis (Waters, 1929). **RuKB:** Teberda (Patzak, 1977). – Russia (Far East); Europe.

E. virgaureae (Stainton, 1857). **RuKr:** Sochi, forest-alpine zone of Aibga Range, 1780 mm, 6.VIII.1998, 1 ♀. **RuKB:** Teberda (Patzak, 1977). **RuD:** Dagestan, Kurosh, 2500 m, 5.VII.1990, 1 ♂ (Z.). – Russia (Volgograd, Saratov, Ulyanovsk, and Irkutsk Distr., Altai); Europe, Kazakhstan.

E. sp. (pr. *persana* Baldizzone, 1990). **RuA:** Azish-tau Range, alpine meadows, 1400 m, 13.VI.1999, 1 ♂.

Casignetella absinthii (Heinemann & Wocke, 1877). **RuKB** (Falkovitsh & Jalava, 1997). – Russia (Saratov, Samara Distr.); Europe.

***C. troglodytella** (Duponchel, 1843). **RuKr:** Sochi, Achishkho Range, 1800 m, 28.VI.1998, 1 ♂. – Europe.

***C. argentula** (Stephens, 1834) (= *cothurnella* Duponchel, 1843). **RuKr:** Sochi, Achishkho Range, 1800 m, 28.VI.1998, 1 ♂. – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, and Novosibirsk Prov., Ural, Bashkiria, Altai). W Palearctic.

***C. artemisiella** (Scott, 1861). **RuKB:** Kabardino-Balkar Nature Reserve, 10.VI.1980, 1 ♂ (Z.). – Russia (Astrakhan, Volgograd, Saratov, Samara, and Ulyanovsk Prov., Ural, Bashkiria). Transpalearctic.

***C. granulata** (Zeller, 1849) (= *artemisiae* Muhlig, 1864). **RuKr:** Gelendzhik Distr., Betta, 13.IX.1996, 1 ♂. **RuKB:** Nalchik, botanical garden, 1.VII.1986, 1 ♂ (Z.). – Russia (Saratov, Samara, and !Kaluga Prov., !Bashkiria, W Siberia); Europe, Mongolia.

C. inulae (Heinemann & Wocke, 1877). **RuS** (Filipjev, 1926). – Europe.

C. inulae transcaucasica (Patzak, 1977). **Ar:** Gami (Patzak, 1977).

C. peribenanderi (Toll, 1943) (= *benanderi* Toll, 1942). **RuKr:** Krasnodar, Lenin, 11.VI.1998, 3 ♀. **RuKB:** Novo-Poltavsk, 7.V.1998, 2 ♀ (B.). **RuS:** Essentuki (Falkovitsh & Jalava, 1997). – Russia (Astrakhan, Saratov, !Kaluga, and !Tula Prov.); Europe.

C. tamara (Baldizzone, 1994): "Caucasus mer." (Baldizzone, 1994).

C. gardesanella (Toll, 1953) (= *machinella* Bradley, 1971). **Ar** (Baldizzone, 1994). – Russia (Saratov Prov.); Europe.

C. nutantella (Muhlig & Frey, 1857). **Ar** (Baldizzone, 1994). – Russia (Altai, Novosibirsk Prov.); Europe, Asia Minor.

C. graminicolella (Heinemann, 1876). **Gg:** Tbilisi (Patzak, 1977). **RuD:** vic. Makhachkala, Mt. Talgi, 13.V.1991, 1 ♀ (Z.). – Russia (Ulyanovsk Prov.); Europe.

C. dianthi (Herrich-Schäffer, 1855). **Ar** (Baldizzone, 1994): Ilen, 22.V.1957, 1 ♂ (Z.). – Russia (Volgograd, Saratov, and Samara Prov.). W Palearctic.

***C. pseudociconiella** (Toll, 1952). **RuKr:** Gelendzhik Distr., Betta, 22.VII.1997, 1 ♂. – Russia (Volgograd, Saratov, and !Novosibirsk Prov.); S Europe, Asia Minor.

C. majuscula Falkovitsh, 1991. **Az:** Lenkoran (Falkovitsh, 1991).

C. galbulipennella (Zeller, 1838) (= *otitae* Zeller, 1838). **Ar** (Baldizzone, 1994). **RuKr:** Gelendzhik Distr., Betta, 13.IX.1996, 2 ♂. – Russia (Ulyanovsk and Kaluga Prov., Ural); Europe, Asia Minor, Iran.

***C. millefolii** (Zeller, 1849). **RuKB:** Kabardino-Balkar Nature Reserve, Bezengi River, 9.VII.1998, 1 ♂ (B.). – Russia (Ural); C and S Europe, North Africa.

***C. striatipennella** (Tengström, (1848)). **RuKB:** Urvan River, 11-12.V.1997, 5 ♂, 5 ♀ (B.). – Russia (Saratov, Samara, Ulyanovsk, Kaluga, Tula, Orel, Novosibirsk, and Magadan Prov., Altai). Transpalaeartic.

Ionescumia clypeiferella (O. Hofmann, 1871). **RuKB:** Teberda (Patzak, 1977). **RuS** (Filipjev, 1926; examined). – Russia (Astrakhan, Volgograd, Saratov, Samara, and Ulyanovsk Prov., Ural); Europe, Kazakhstan.

***I. isomoera** (Falkovitsh, 1972). **Az:** Yardumly, 27.VIII.1962, 2 ♂ (Z.). – N Africa, Spain, Asia Minor, Uzbekistan, Mongolia.

***Carpochena trientella** (Christoph, 1872) (= *pili-cornis* Rebel, 1914; = *ussuriella* Caradja, 1920). **RuKB:** Planovskoe, 20.V.1997, 1 ♂ (B.). – Russia (Volgograd, Saratov, and Ulyanovsk Prov., Far East). S Palaeartic, from Hungary to the Far East.

C. unipunctella (Zeller, 1849). **RuKB:** Sovetskoe, 19.VI.1997, 1 ♂ (B.). **RuS:** Essentuki (Falkovitsh & Jalava, 1997). – Russia (Saratov, Ulyanovsk, and Samara Prov.); Europe (except northern part).

C. aequalella (Christoph, 1872) (= *heratella* Toll & Amsel, 1967). **RuS:** Pyatigorsk (Patzak, 1977). – Russia (Volgograd and Saratov Prov., Ural); Kazakhstan, Middle Asia, Iran, Afghanistan.

C. binotapennella (Duponchel, 1843). **RuKr:** Novorossiisk, 10.VIII.1992, 1 ♀ (T.); Novorossiisk Distr., Shirokaya Balka, 24.VIII.1999, 2 ♂. **RuKB:** Teberda (Patzak, 1977). – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, and Novosibirsk Prov., Ural); Middle and S Europe.

***C. squalorella** (Zeller, 1849) (= *delibutella* Christoph, 1872). **RuS** (Filipjev, 1926; examined). – Russia (Astrakhan, Volgograd, Saratov, and Ulyanovsk Prov., Bashkiria, Ural); Europe, Kazakhstan.

C. armeniae (Baldizzone & Patzak, 1991). **Ar:** Erevan (Baldizzone & Patzak, 1991). – Russia (Astrakhan Prov.); southern part of E Europe, Middle Asia, Asia Minor.

***C. salicorniae** (Heinemann & Wocke, 1877). **RuKr:** Krasnodar, Lenin, 31.VIII.1996, 1 ♀; Novorossiisk Distr., Shirokaya Balka, 26.VIII.1999, 2 ♂, 1 ♀. **RuKB:** Planovskoe, 26.VIII.1997, 1 ♀ (B.). – Russia (Astrakhan, Volgograd, Saratov, Samara, Ulyanovsk, and Novosibirsk Prov.). W Palaeartic.

Klinzigedia phlomidis (Stainton, 1867). **Ar** (Baldizzone, 1994). – Russia (Volgograd Prov.); Asia Minor, Turkmenistan, Iran, Syria.

***K. wockeella** (Zeller, 1849). **Ar:** Erevan, the city zoo, 20.V.1955, 1 ♂ (Z.). – Russia (Samara, Ulyanovsk, and Tula Prov.); Europe, Asia Minor.

K. onopordiella (Zeller, 1849). **Ar** (Baldizzone, 1994). **Az:** Gosmaljan, old garden, 1.VII.1964, 1 ♂ (Z.). **RuKB:** Teberda (Patzak, 1977). **RuS:** 100 km NW of Derbent, 26-28.V.1994, 2 ♀ (T.). Europe, Asia Minor.

K. implicitella (Fuchs, 1903). **Ar:** Erevan (Fuchs, 1903). **Az:** Gosmaljan, old garden, 1.VII.1964, 1 ♂ (Z.). **RuKr:** vic. Gelendzhik, Mt. Markotkh, 28.VI.2000, 2 ♂. **RuS** (Filipjev, 1926; examined).

Description of hitherto unknown females

Amselghia azishtella Anikin, 1998

(Figs 2, 3)

Description. Wing expanse 12-13 mm. Head, thorax and tegula light ochreous. Labial palpus whitish ochreous; 2nd segment 1.3 times as long as diameter of eye; 3rd segment 0.4 times as long as 2nd. Basal antennal segment with scale tuft; flagellum whitish ochreous. Fore wings ochreous brown, apex with brownish yellow scales. Hind wings grey; fringes as coloured as wing.

Female genitalia (Fig. 2). Papillae anales short, wide, with lower long bristles. Apophyses posteriores 2.5 times as long as apophyses anteriores. Subgenital plate trapezoid, narrower than in *A. balkara* Flkv. & Jalv., along posterior margin short bristles. Antrum cup-like, moderately wide, with poorly sclerotized, roundly-angulate protuberance. Upper part of ductus 0.8 times as long as spiny portion; spines small and dense; lateral and central rods well-defined. Next portion of ductus only with central rod and equal in length to previous. Signum large, basal part 30 mm, apical part pointed.

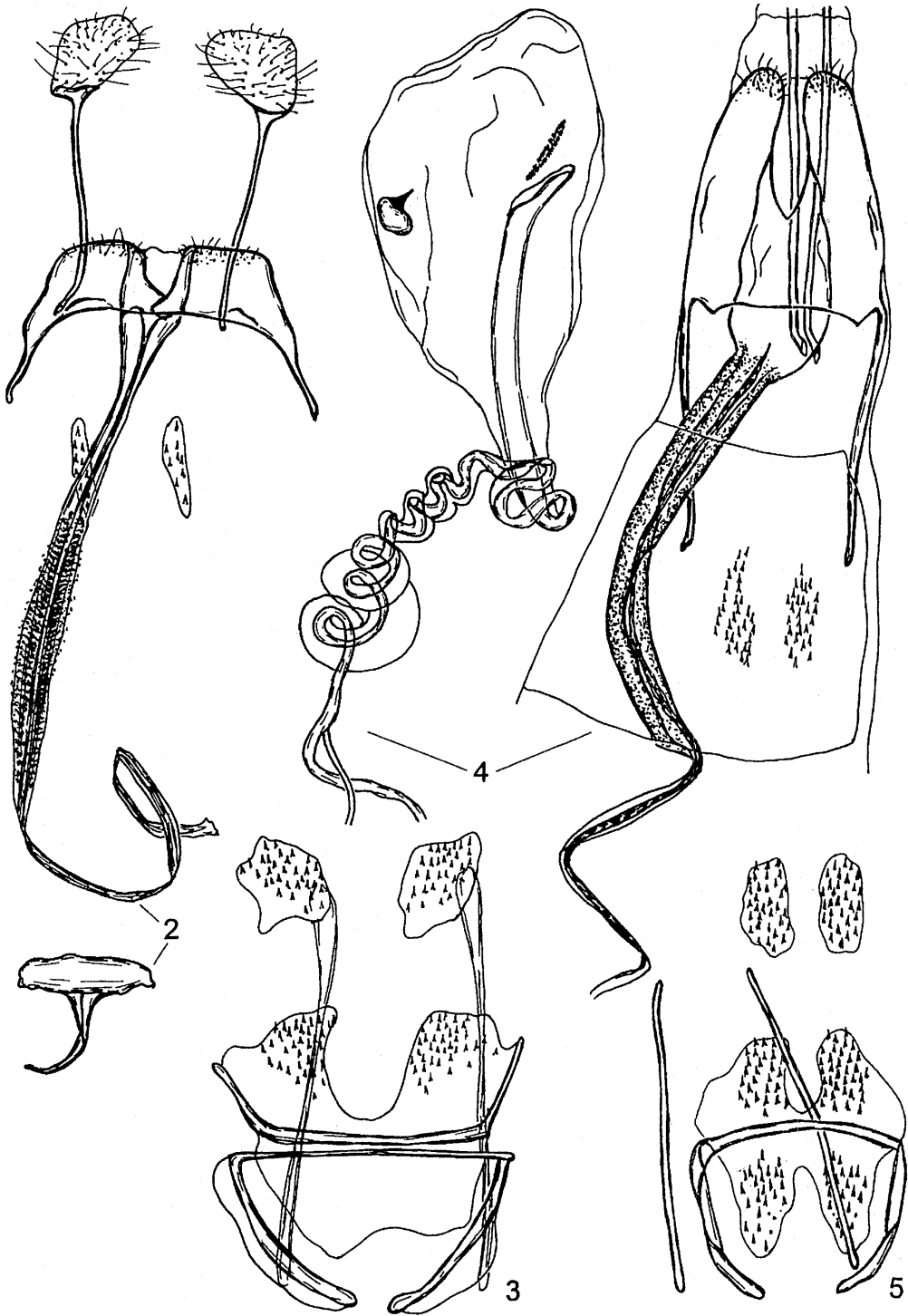
Abdominal tergites (Fig. 3). 1st abdominal tergite without spinelets; patches of spinelets on 2nd tergite scattered, about 1.2 times as wide as long.

Comparison. The female of this species is closely related to that of *A. balkara* Flkv. & Jalv. The main differences are as follows: fore wings darker; subgenital plate trapezoid; section of ductus bursae considerably longer; signum large.

Ecebalia monoceros (Falkovitsh, 1975)

(Figs 4, 5)

Description. Wing expanse 15 mm. Head, thorax and tegula brownish. Labial palps on inner side whitish grey, on outer side with dark brown scales; 2nd segment 1.4-1.5 times as long as diameter of eye and 1.5-1.6 times as long as 3rd segment. Basal segment of antennae simple, brownish; flagellum whitish with dark brown rings. Fore wings brownish grey with brownish yellow streaks along veins and whitish scales between them. Surface of wing with not compacted dark brownish scales. Hind wing and cilia brownish grey.



Figs 2-5. 2, 3, *Amselghia azishtella* Anikin, female: 2, genitalia; 3, anterior abdominal tergites; 4, 5, *Ecebalia monoceros* (Falkovitsh), female: 4, genitalia; 5, anterior abdominal tergites.

Female genitalia (Fig. 4). Apophyses posteriores 2.2 times as long as apophyses anteriores; all apophyses twisted towards their ends. Subgenital plate suboblong, along posterior margin short bristles; ostium bursae elongate ovate, ending in medial part of subgenital plate; laterally on anterior margin two small triangular projections. Tubular antrum widened to end, with a small gradual swelling on right side anteriorly. Spiny portion of ductus bursae 2.1 times as long as subgenital plate, with dark internal spinelets. Lateral and central rods well-defined. Next portion of ductus with central rod in 1/3 length, ending with a spiral; bursa copulatrix oval, with a small signum and narrow sclerotized plate.

Abdominal tergites (Fig. 5). 1st abdominal tergite with 20-23 spinelets; on the following tergites, patches of spinelets compact, elongate, twice as long as wide.

Comparison. The female of this species is related to that of *E. nomgona* Flkv. The main differences in the genitalia are as follows: subgenital plate longer; ostium bursae narrow and oval; spiny portion of ductus longer; the medial part of rod not sclerotized and more spiralized.

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