

A preliminary list of Dolichopodidae (Diptera) of Abkhazia

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A list of Abkhazian Dolichopodidae is presented including 34 species, 29 of which are new Abkhazian records. *Dolichopus sabinus* Haliday, 1838, and *Thrypticus bellus* Loew, 1869, are recorded for the Caucasian region for the first time.

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Introduction

The fauna of long-legged flies of Abkhazia seems to be completely unstudied. I have found descriptions of only two new species and a record of one dolichopodid species from this territory. *Hercostomus caucasicus* Stackelberg, 1933, was described from environs of Chkhalta, and *Ludovicus transcaucasicus* Stackelberg, 1941, from environs of Sokhumi (Stackelberg, 1930–1971). *Hercostomus rusticus* (Meigen, 1824) was recorded from environs of Sokhumi by Chalaya & Negrobov (1989).

After a short collection trip made by me to Abkhazia (July, 2004) 31 species have been found here. This paper presents the new records in detail and provides additional information in the form of notes on the global distribution for each species (after Negrobov, 1991, mainly) within a checklist of Dolichopodidae of the Republic given below. That

means that the fauna of the Republic has reached 34 species. But the real number may reach more than 150 species following a special expedition covering a wider geographical area of the country. For comparison, so far about 150 species are known for Adygea and Krasnodar Territory of Russia and about 250 for the whole Caucasus (Grichanov, 2000b). The following species are new for the Caucasian region: *Dolichopus sabinus* Haliday, 1838; *Thrypticus bellus* Loew, 1869. Five species are endemics of the Caucasus.

Below a preliminary checklist of Abkhazian Dolichopodidae with new records is given. The collector of all specimens is the author of this paper, if another one is not stated. Some old names are homonyms or synonyms, and they have been replaced by new names according to Grichanov (2003–2004). The material of newly recorded species is deposited in the author's collection.

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Genus *Argyra* Macquart, 1834

Argyra sp.

Material. 1♀, Old Gagra, 13.VII.2004.

Remark. Seven species of the genus are known from the Caucasian Region. Females of *Argyra* are practically indeterminate.

Genus *Campsicnemus* Haliday, 1851

Campsicnemus curvipes (Fallén, 1823) [*Dolichopus*] (Haliday, 1851: in Walker, Stainton & Wilkinson, Ins. brit. 1(1): 189).

=*Dolichopus curvipes* Fallén, 1823: Monogr.

Dolich. Svec. [=Dipt. Svec. 2]: 20

Material. 10♂♀, Malaya Ritsa Lake, 9.VII. 2004.

Distribution. The whole Europe, Transcaucasia, North Afrika, Canary Is.

Campsicnemus simplicissimus Strobl, 1906: Mem. Soc. esp. Hist. nat. 3 (5a, 6a): 323.

Material. 1♂, Old Gagra, 13.VII.2004.

Distribution. Spain, Italy, Bulgaria, Rostov Region.

Campsicnemus umbripennis Loew, 1856: Progr. Realsch. Meseritz 1856: 46.

Material. 11♂♀, Malaya Ritsa Lake, 5km SE Ritsa Lake, 9.VII.2004.

Distribution. Europe except north, N. Caucasus, Armenia, Turkmenia, Afghanistan.

Genus *Chrysotus* Meigen, 1824

Chrysotus cillipes Meigen, 1824: Syst. Besch. 4: 41.

Material. 2♂, 41♀, Gagra env., Old Gagra, Gagra-Kolkhida, Pitsunda-Inkit, 12, 13, 15, 16, 17, 18.VII.2004.

Distribution. Europe, Tomsk Region, Altai, Baikal, Primorskii Terr., Mongolia, China.

Genus *Diaphorus* Meigen, 1824

Diaphorus nigricans Meigen, 1824: Syst. Besch. 4: 33.

Material. 1♀, Old Gagra, 13.VII.2004.

Distribution. All Europe, Nearctic and Neotropical Regions.

Genus *Dolichopus* Latreille, 1796

Dolichopus arbustorum Stannius, 1831: Isis (Oken) 1831: 125.

Material. 2♀, Gagra env., Gagra at seacoast, 11, 12.VII.2004.

Distribution. Europe.

Dolichopus excisus Loew, 1859: Progr. Realsch. Meseritz 1859: 10.

Material. 6♀, Gagra env., Gagra-Kolkhida, 15, 17.VII.2004.

Distribution. Europe except north, N. Caucasus, Armenia, Israel, Turkey, Turkmenia.

Dolichopus latillimbatus Macquart, 1827: Ins. Dipt. Nord France 3: 65.

Material. 4♀, Gagra-Kolkhida, Pitsunda-Inkit, 16, 17.VII.2004.

Distribution. Europe, Ural, Mongolia.

Dolichopus sabinus Haliday, 1838: Ann. nat. Hist. 2(8): 184.

Material. 3♂, 5♀, Pitsunda-Inkit, 16.VII. 2004.

Distribution. Europe.

Dolichopus sp.

Material. 2♀, 5km SE Ritsa Lake, 9.VII.2004.

Remark. The females are close to *D. per-versus* Loew, 1871 (Stackelberg, 1930–1971), but may represent another species.

Genus *Hercostomus* Loew, 1857

Hercostomus aerosus (Fallén, 1823) [*Dolichopus*] (Becker, 1909: Wien. ent. Ztg. 28(9/10): 324 [*aërosus*]).

=*Dolichopus aerosus* Fallén, 1823: Monogr.

Dolich. Svec. (Dipt. Svec. 2): 15.

Material. 5♂, 8♀, Malaya Ritsa Lake, 5km SE Ritsa Lake, 9.VII.2004; 4♂, Malaya Ritsa Lake, 9.VII.2004, Kustov S.Yu.

Distribution. The whole Europe, Buryatia, Mongolia, Primorskii Territory, Taiwan.

Hercostomus caucasicus Stackelberg, 1933 [F 1934]: in Lindner, Flieg. palaearkt. Reg. 4(5): 123 (in key) (descr.: 1934: 133).

Distribution. Georgia, Armenia, Krasnodar and Stavropol Territories.

Hercostomus metallicus (Stannius, 1831) [*Dolichopus*].

=*Dolichopus metallicus* Stannius, 1831: Isis (Oken) 1831: 262.

Material. 15♂, 7♀, Malaya Ritsa Lake, 9.VII.2004.

Distribution. All Europe, Iran.

Hercostomus rusticus (Meigen, 1824) [*Dolichopus*].

=*Dolichopus rusticus* Meigen, 1824: Syst. Besch. 4: 77 // syn. of *Dolichopus clavipes* Haliday, 1831 (Bezzi, 1903: Katal. paläarkt. Dipt. 2: 297); rest. Becker, 1917: N. Acta Acad. leop., Halle, 102: 132, 236 (*Hercostomus*).

Distribution. Europe, Armenia, N Kazakhstan, Omsk Region, Buryatia, Yakutia.

Hercostomus varicoloris Becker, 1917: N. Acta Acad. leop., Halle, 102: 238.

Material. 3♂, 1♀, Malaya Ritsa Lake, 5km SE Ritsa Lake, Old Gagra, 9, 10, 13.VII.2004.

Distribution. Caucasus.

Genus *Liancalus* Loew, 1857

Liancalus virens (Scopoli, 1763) [*Musca*] (Loew, 1857: Progr. Realsch. Meseritz 1857: 22).

=*Musca virens* Scopoli, 1763: Ent. carniol.: 342.

Material. 1♂, 3♀, Old Gagra, 13.VII.2004.

Distribution. Europe, Morocco, Tunisia, Algeria, Madeira, Transcaucasia, S Kazakhstan, Tajikistan, Kirgizia.

Genus *Ludoviclus* Rondani, 1843

Ludoviclus transcausicus Stackelberg, 1941: in Lindner, Flieg. palaearkt. Reg. 4 (5): 200.

Distribution. Up to date the species is known from a small mountain region between populated places Goryachii Klyuch (Krasnodar Territory), Khamyshki and Guzeripl (southern Adygea) and Sokhumi (Abkhazia) (Negrobov, 1965; Grichanov, 2000a).

Genus *Medetera* Fischer von Waldheim, 1819

Medetera apicalis (Zetterstedt, 1843) [*Hydrophorus*] (Loew, 1857: Progr. Realsch. Meseritz 1857: 53).

=*Hydrophorus apicalis* Zetterstedt, 1843: Dipt. Scand. 2: 452 (excl. var. b).

Material. 1♀, Malaya Ritsa Lake, 9.VII.2004.

Distribution. Europe, Novosibirsk Region, Primorskii Territory, Nearctic Region.

Medetera diadema (Linnaeus, 1767) [*Musca*] (Haliday, in: Walker, Stainton & Wilkinson, 1851: Ins. brit. 1(1): 138).

=*Musca diadema* Linnaeus, 1767: Syst. Nat. (Ed.12) 1(2): 982.

Material. 2♂, 5♀, Old Gagra, Pitsunda-Inkit, 13, 16.VII.2004.

Distribution. Europe, N Kazakhstan, Orenburg Region, Altai, Turkey, Egypt, Tunisia, Algeria.

Medetera muralis Meigen, 1824: Syst. Besch. 4: 62 [*Medetera*].

Material. 1♂, Malaya Ritsa Lake, 9.VII.2004.

Distribution. All Europe.

Genus *Neurigona* Rondani, 1856

Neurigona pseudolongipes Negrobov, 1987: Ent. Obozr. 66(2): 414.

Material. 1♂, 3♀, Malaya Ritsa Lake, Old Gagra, 9, 13.VII.2004.

Distribution. Caucasian and Teberda Nature Reserves.

Genus *Rhaphium* Meigen, 1803

Rhaphium appendiculatum Zetterstedt, 1849: Dipt. Scand. 8: 3058 // syn. of *Rhaphium macrocerum* Meigen, 1824 (Parent, 1925: Enc. ent. (B II) Dipt. 2: 41–42); rest. Collin, 1940: Ent. monthly Mag. 76 [= 4(1)]: 266–267.

Material. 3♂, 26♀, Malaya Ritsa Lake, 5km SE Ritsa Lake, Bzyb' – Goluboe Ozero, Old Gagra, 9, 10, 13.VII.2004.

Distribution. Europe, Ural, Middle Asia, Iran, Afghanistan, Algeria, Morocco, St. Helena.

Rhaphium micans (Meigen, 1824) [*Porphyrops*] (Loew, 1850: Ent. Ztg. (Stettin) 11: 112).

=*Porphyrops micans* Meigen, 1824: Syst. Besch. 4: 51.

Material. 1♂, 2♀, Malaya Ritsa Lake, Old Gagra, 9, 13.VII.2004.

Distribution. Europe, Tadjikistan, China, Primorskii Territory.

Genus *Sybistroma* Meigen, 1824

Sybistroma obscurella (Fallén, 1823) [*Dolichopus*]

=*Dolichopus obscurellus* Fallén, 1823: Dipt. Svec. 2 (Monogr. Dolichopod. Svec.): 13.

Material. 1♂, 5km SE Ritsa Lake, 10.VII.2004.

Distribution. Europe.

Genus *Sympycnus* Loew, 1857

Sympycnus simplilipes Becker, 1908 [F 1918]: Mitt. zool. Mus. Berlin 4: 46.

Material. 4♂, 8♀, Old Gagra, Gagra-Kolkhida, Pitsunda-Inkit, 16, 17.VII.2004.

Distribution. Canary Is., Spain, Italy, Israel, N Caucasus.

Genus *Syntormon* Loew, 1857

Syntormon denticulatus (Zetterstedt, 1843) (-us; F -um) [*Rhaphium*] (Loew, 1857: Progr. Realsch. Meseritz 1857: 34–35).

=*Rhaphium denticulatum* Zetterstedt, 1843: Dipt. Scand. 2: 478.

Material. 7♂♀, Malaya Ritsa Lake, 5km SE Ritsa Lake, 9, 10.VII.2004.

Distribution. Europe, N Africa, Armenia, Afghanistan.

Syntormon pallipes (Fabricius, 1794) [*Musca*] (Schiner, 1862: Faun. austr. 1: 192).

=*Musca pallipes* Fabricius, 1794: Ent. syst. 4: 340.

Material. 17♂♀, Malaya Ritsa Lake, 5km SE Ritsa Lake, Bzyb' – Goluboe Ozero, Old Gagra, 9, 10, 13.VII.2004.

Distribution. All Europe, Anterior, Middle and Central Asia, North and Tropical Africa.

Syntormon zelleri (Loew, 1850) [*Rhaphium*] (Loew, 1857: Progr. Realsch. Meseritz 1857: 34–35).

=*Rhaphium zelleri* Loew, 1850: Ent. Ztg. (Stettin) 11(4): 121.

Material. 1♂, 5km SE Ritsa Lake, 9.VII.2004.

Distribution. Central and Southern Europe, N. Caucasus, Middle Asia.

Genus *Tachytrechus* Haliday, 1851

Tachytrechus notatus (Stannius, 1831) [*Ammobates*] (Haliday, 1851: in Walker, Stainton & Wilkinson, Ins. brit. 1: 173; Loew, 1857: Progr. Realsch. Meseritz 1857: 14).

=*Ammobates notatus* Stannius, 1831: Isis (Oken) 1831: 269.

Material. 6♂, 6♀, 5km SE Ritsa Lake, Gagra env., Gagra at seacoast, 9, 10, 11, 15.VII.2004.

Distribution. Europe, Canary Is, Turkey, Armenia, Turkmenia.

Genus *Telmaturgus* Mik, 1874

Telmaturgus tumidulus (Raddatz, 1873) [*Sympycnus*] (Mik, 1874: Verh. zool.-bot. Ges. Wien 24 (Abh.): 349).

=*Sympycnus tumidulus* Raddatz, 1873: Stettin. ent. Ztg. 34: 326.

Material. 3♀, Gagra-Kolkhida, Pitsunda-Inkit, 16, 17.VII.2004.

Distribution. Europe.

Genus *Teuchophorus* Loew, 1857

Teuchophorus spinigerellus (Zetterstedt, 1843) [*Dolichopus*] (Loew, 1857: Progr. Realsch. Meseritz 1857: 44).

=*Dolichopus spinigerellus* Zetterstedt, 1843: Dipt. Scand. 2: 604.

Material. 1♂, 1♀, Gagra-Kolkhida, 18.VII. 2004.

Distribution. Europe, Egypt, S Kazakhstan.

Genus *Thrypticus* Gerstäcker, 1864

Thrypticus bellus Loew, 1869: Besch. eur. Dipt. 1: 303 [*Thrypticus*].

Material. 2♂, 2♀, Gagra-Kolkhida, 17.VII. 2004.

Distribution. All Europe, Anterior and Middle Asia, West Siberia, China, Primorskii Territory, North and Tropical Africa.

Genus *Xanthochlorus* Loew, 1857

Xanthochlorus luridus Negrobov, 1978: Vestnik Zool. 1978(2): 23.

Material. 1♂, Malaya Ritsa Lake, 9.VII.2004, Kustov S.Yu.

Distribution. Adygea, Alania (Grichanov, 2002).

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