

Fauna and taxonomy of Dolichopodidae (Diptera)

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Сборник включает обзорные статьи по фауне и таксономии хищных мух-зеленушек семейства Dolichopodidae. Описаны новые виды, приведены новые указания для видов из Палеарктической, Ориентальной и Афrotропической зоогеографических областей. Составлены региональные определители видов из родов *Asyndetus* и *Syntormon*. Впервые составлен справочный список 52 родов, 735 видов и подвидов семейства Dolichopodidae, отмеченных на территории Российской Федерации. Сборник будет полезен специалистам – энтомологам и экологам, интересующимся энтомофагами, студентам и аспирантам учебных и научных учреждений.

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**SYSTEMATIC NOTES ON WEST-PALAEARCTIC SPECIES OF THE GENUS
SYNTORMON LOEW (DIPTERA: DOLICHOPODIDAE)**

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Systematic information on the West-Palaearctic species of the sympycnine genus *Syntormon* Loew, 1857 is reviewed. A new species *Syntormon pilitibia* sp. n. from Israel and a new subspecies *S. macula mediterraneus* ssp. n. from Greece and Israel are described. The taxonomic status and characters of some species of the genus are discussed. Lectotype and paralectotypes are designated for *S. cilitibia* Stackelberg, 1947. A check list of West-Palaearctic species of *Syntormon* is compiled, as well as a revised key to 21 species and 5 firstly defined species groups (combining 18 poorly distinguishable species) based mainly on male secondary sexual characters.

KEY WORDS: Dolichopodidae, *Syntormon*, Palaearctic, Greece, Israel, new species, new records, key.

**И.Я. Гричанов. Заметки по систематике западно-палеарктических видов рода
Syntormon Loew (Diptera: Dolichopodidae)**

Обобщены данные по систематике западно-палаеарктических видов рода *Syntormon* Loew, 1857 из подсемейства мух-зеленушек Sympycninae. Описаны новый вид *Syntormon pilitibia* sp. n. из Израиля и новый подвид *S. macula mediterraneus* ssp. n. из Греции и Израиля. Обозначены лектотип и паралектотипы для *S. cilitibia* Stackelberg, 1947. Составлен каталог описанных западно-палаеарктических видов и определитель 21 вида и 5 групп видов (включающих 18 слабо различимых видов), основанный главным образом на вторично-половых признаках самцов.

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Introduction

Syntormon Loew, 1857 is an unrevised genus of the subfamily Sympycninae and includes about 110 species, of which more than 50 were described in the Palaearctic Region. An outdated key of Becker (1918) comprised 16 Palaearctic species, and Parent (1938) diagnosed in his key 21 mainly European species. Negrobov (1975) keyed males of 35 Palaearctic species, of which I recognize 29 West-Palaearctic species inhabiting Europe, North Africa, West and Central Asia.

Later a number of new species were described from the Palaearctic (Vaillant, 1983; Negrobov & Shamshev, 1984, 1985; Pârvu, 1985, 1989; Negrobov & Zhilina, 1986; Yang, 1998, 1999; Yang & Saigusa, 2000; Negrobov & Kechev, 2012), and Wang et al. (2008) published a key to males of Chinese species. Speight et al. (1995) synonymised *Bathycranium* Strobl, 1892 and *Syntormon*.

The West-Palaearctic species of *Syntormon* now cannot be distinguished reliably based on the key published by Negrobov (1975), which was based largely on the variable characters and outdated nomenclature, with several missing old species. Here I recognize 41 (including new) West-Palaearctic species of the genus, though some of them may be placed in synonymy after a future revisional work. Two species are known from females only.

In this paper a new species *Syntormon pilitibia* sp. n. from Israel and a new subspecies *S. macula mediterraneus* ssp. n. from Greece and Israel are described. The taxonomic status and characters of some species of the genus are discussed. A check list of

West-Palaearctic species of *Syntormon* is compiled. Below I give also a revised key to 21 species and 5 firstly defined species groups (combining 18 poorly distinguishable species) based mainly on male secondary sexual characters.

Material and methods

The holotypes and paratypes of the new species and new subspecies and other material cited are housed at the Zoological Museum of Moscow State University, Russia (MZUM), at the Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia (ZIN) and at the Department of Zoology, Tel Aviv University, Israel (TAU).

Specimens were studied and illustrated with a ZEISS Discovery V-12 stereomicroscope and an AxioCam MRC5 camera. Morphological terminology and abbreviations follow Grichanov (2007) and Cumming & Wood (2009). The relative lengths of the podomeres should be regarded as representative ratios and not measurements. Body length is measured from the base of the antenna to the tip of abdominal segment 7. Wing length is measured from the base to the wing apex. Male genitalia were macerated in 10% KOH. Figures showing the male genitalia in lateral view are oriented as they appear on the intact specimen, with the morphologically ventral surface of the genitalia facing up, dorsal surface down, anterior end facing right and posterior end facing left. Photos were made by the author of this paper. Information on world distribution for each species listed follows Grichanov (2003–2013).

Systematics

Family Dolichopodidae

Subfamily Sympycninae

Genus *Syntormon* Loew

Syntormon Loew, 1857: 35; Negrobov, 1975: 652; Speight et al., 1995: 356; Grichanov et al., 2011: 35. Type species: *Rhaphium metathesis* Loew, 1850 (designation by Coquillett, 1910: 611)

Plectropus Haliday, 1832: 353 (nec Kirby, 1826). Type species: *Musca pallipes* Fabricius, 1794 (designation by Westwood, 1840: 134).

Synarthrus Loew, 1857: 35; Schiner, 1862: 192. Type species: *Musca pallipes* Fabricius, 1794 (monotypy).

Eutarsus Loew, 1857: 45 (nec Hessling, 1852); Dyte, 1969: 46 (as synonym of subgenus *Drymonoeca* Becker); Negrobov, 1975: 653. Type species: *Porphyrops aulica* Meigen, 1824 (monotypy).

Bathycranium Strobl, 1892: 103; Speight et al., 1995: 351. Type species: *Dolichopus bicolorellus* Zetterstedt, 1843 (monotypy).

Drymonoeca Becker, 1907: 108; Becker, 1922: 155 (as synonym of *Eutarsus* Loew). Type species: *Drymonoeca calcarata* Becker, 1907 [=*Syntormon aulicus* (Meigen, 1824)] (monotypy).

Diagnosis. Usually small species; antennal scape with or without dorsal setation; pedicel with a finger-like apical process projected into basal inner concavity of postpedicel; male postpedicel distinctly elongated, rarely short (short in females); arista-like stylus apical or subapical (sometimes dorsal in females); male tarsi often modified and/or ornamented; metepimeron more or less haired (in contrast to bare metepimeron

in closely related Nearctic *Parasyntormon* Wheeler, 1899 and West-Palaearctic *Ceratopos* Vaillant, 1952).

Remarks. Proposing a new genus, Loew (1857: 35) definitely changed the name *Rhaphium tarsatum* (gender neuter) into *Syntormon tarsatus* (gender masculine), using subsequently the latter gender (e.g., Loew, 1869, 1873). Later many scientists followed the masculine gender of the genus; nevertheless, some others used the neuter gender for the *Syntormon* species, sometimes explaining their position (e.g., Chandler, 1998). As a result, many national list compilers were recently confused, inserting species of the genus in their lists with both neuter and masculine gender endings. I follow here original (Loew's) proposal, using the masculine gender for all species names.

Review of West-Palaearctic species of the genus *Syntormon*

***Syntormon abbreviatus* Becker, 1918: 272.** Type locality: Tunisia: Bel-Mehtia, Aegn-Draham. Distribution: Hungary, Tunisia, Turkey.

Remarks: Excluded from Afrotropical Region by Grichanov (2001: 183). Here excluded from Canary Is. because *S. brevicornis* is here restored from synonymy to species status (see below). A record from Hungary needs confirmation.

***Syntormon aulicus* (Meigen), 1824: 48 (*Porphyrops*); Meigen, 1838: 154 (*Argyra*); Zetterstedt, 1843: 615 (*Dolichopus*); Loew, 1857: 45 (*Eutarsus*); Negrobov, 1975: 654 (*Syntormon*). Type locality: not given. Distribution: Algeria, Austria, Azerbaijan, Belgium, Bulgaria, Czech, Denmark, France, Germany, Greece, Ireland, Italy, Morocco, Poland, Russia (Moscow), Spain, Sweden, Tunisia, Turkey, UK, "Middle Asia".
= *calcaratus* (Becker), 1907: 109 (*Drymonoeca*). Type locality: Tunisia: Ain-Dram, Zaghouan.**

Material: 1♂, [France]: Cherbourg / *Eutarsus aulicus* Meig., det. O. Parent [ZIN].

***Syntormon bicolorellus* (Zetterstedt), 1843: 617 (*Dolichopus*); Haliday: in Walker et al., 1851: 212 (*Porphyrops*); Strobl, 1892: 103 (*Bathycranium*); Kowarz, 1889: 175 (*Sympycnus*); Schiner, 1862: 184 (*Xanthochlorus*); Speight et al., 1995: 356 (*Syntormon*); Grichanov, 2006: 183. Type locality: «Suecia meridionali et media, Scania ad Esperod, Gottlandia ad Martebo, Dania» (Sweden, Denmark). Distribution: Austria, Belgium, Czech, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Latvia, ?Mongolia (female only), Netherlands, Norway, Poland, Romania, Russia (Leningrad, Lipetsk, Moscow, Vologda, Voronezh), Slovakia, Sweden, UK.
= *bicolor* (Zetterstedt), 1843: 617 (*Argyra*) [«Staeger in litt.»].**

Material: 1♂, Sweden: Uppsala, 11.VII.2002, Grichanov [ZIN]; 1♂, [France]: Aire, VI.1921 / *Bathycranium bicolorellum* Zett., det. O. Parent [ZIN]; 4♀, [Russia]: Yashchera, Luzhskii Distr., Leningrad Region, 21.VIII, 2.IX.1966, 14, 31.VIII.1967, Stackelberg [ZIN]; 1♂, 1♀, Finland: Helsinki env., lake shore, 5.IX.2003, Grichanov [ZIN].

***Syntormon brevicornis* Frey, 1936: 67, nom. resurr.; Negrobov, 1975: 654; Negrobov, 1991: 53 (as synonym of *S. abbreviatus*); here restored to species status. Type locality: «Canaria: Tafira, Tümpel; Palma: La Caldera». Distribution: Spain (Canary Is.)**

Remarks: Negrobov (1991) placed the species in synonymy to *S. abbreviatus* without explanation. Negrobov (1975) in his key placed *S. brevicornis* near *S. rufipes* (= *S.*

pumilus). However, Frey (1936) compared his new species with *S. denticulatus*, distinguishing *S. brevicornis* (body length is 2-3 mm) in shorter postpedicel (as long as high), shorter and stronger curved hooks on posterior basitarsus. Therefore, I restore *S. brevicornis* from synonymy.

***Syntormon bulgariensis* Negrobov et Kechev, 2012: 93.** Type locality: Bulgaria: Pamporovo, Rhodopes Mts. Distribution: Bulgaria.

***Syntormon cilitibia* Stackelberg, 1947: 96, 100.** Type locality: [Tajikistan]: Khorog on Gunt River, Shugnan (originally published as Hissar range, Kondara; Varzob valley near Stalinabad; Chorog, W. Pamirs). Distribution: Afghanistan, Kyrgyzstan, Tajikistan, Uzbekistan.

Material (Fig. 1): Lectotype: ♂, [Tajikistan]: Khorog on Gunt River, Shugnan, 2000 m, 25.IX.1943, Stackelberg [ZIN]. Paralectotypes: 3♂, same locality [ZIN]. Additional material: 1♂, Tajikistan: Kondara Gorge, 1100 m, Varzob Valley, Gussakovskii, 13.IX.1939 [ZIN]; 1♂, [Uzbekistan]: Shakhimardan / 8 [yellow label; ex coll. A.P. Fedtshenko 1871; ZIN]; 1♂, [Uzbekistan]: Sangy Dzhaman / 5 [orange label; ex coll. A.P. Fedtshenko 1871; ZIN].

Remarks: Lectotype and paralectotypes are here designated to fix the current taxonomic concept and ensure consistent future interpretation. They fully correspond to the original description. Stackelberg (1947: 96) listed 8 males under *S. cilitibia* description, including 3 males collected in the Varzob Valley (on 18.IX.1938 and 9.X.1943) and 5 males collected at Khorog (on 25.IX.1943). A male collected on 18.IX.1938 is entirely destroyed, but bearing a white label hand-written by A.A. Stackelberg: «*Syntormon cilitibia* sp.n.» A male collected on 9.X.1943 was not found. The other pins had no any identification label. One male collected at Khorog is also destroyed. A.A. Stackelberg treated also A.P. Fedtshenko collection (probably before 1927) that contains (in addition to listed material from Shakhimardan and Sangy Dzhaman) three empty pins with labels «Sangy Dzhaman» and «5»; one of those pins has identification label written by A.A. Stackelberg: *Syntormon* [unpublished name] sp.n. Shakhimardan (or Shohimardon) is a small enclave of Uzbekistan in Fergana Province, surrounded by Kyrgyzstan. So, this is a first record of the species from Uzbekistan and Kyrgyzstan.

***Syntormon codinai* Parent, 1924: 9.** Type locality: Morocco: Tanger, Cabo Espartel. Distribution: Morocco, Spain, Turkey. Excluded from Afrotropical Region (Grichanov, 2001: 183).

***Syntormon denticulatus* (Zetterstedt), 1843: 478; Loew, 1857: 34-35 (*Syntormon*). Type locality: Sweden: Scania. Distribution: Abkhazia, Afghanistan, Armenia, Azerbaijan, Belorussia, Bulgaria, Estonia, Finland, France, Germany, Greece, Israel, Italy, Kyrgyzstan, Norway, Poland, Romania, Russia (Adygea, Alania, Kabardino-Balkaria, Karelia, Leningrad, Moscow, Murmansk, Stavropol'), Sweden, Tajikistan, Turkey, UK, Ukraine, «North Africa».**

= *aculeatus* (Zetterstedt), 1843: 479 (*Rhaphium*); Becker, 1902: 54 (*Syntormon*); Grichanov, 2006: 183 (synonymised by Becker, 1918: 273). Type locality: Sweden: Ostrogothia, Haradshammar.

= *biseriatus* (Loew), 1850: 123 (as a variation of *Rhaphium denticulatum* Zetterstedt, 1843); Loew, 1873: 249 (*Syntormon*) (Haliday, in Walker et al., 1851: 204

[*Rhaphium*]). Type locality: Germany.

=*pumilus* Parent, 1925: 50 (nec Meigen, 1824; misident.) (Collin, 1940: 267).

Material: 1♂, [France]: Cotenin, VIII.1925 / *Syntormon denticulatus* Zett., det. O. Parent [ZIN]; 6♂, [Tajikistan]: Stalinabad, Dyushambinka Valley, 9-25.X1943, Stackelberg [det. A. Stackelberg] [ZIN]; 1♂, [Kyrgyzstan]: Alai / 21 [yellow label; ex coll. A.P. Fedtshenko 1871; ZIN]; 1♂, [Kyrgyzstan]: Taka [pass] / 8 [blue label; ex coll. A.P. Fedtshenko 1871; ZIN]; 2♂, 1♀, Russia: Sochi, Mt. Akhun, 22, 28.X.2006, N. Vikhrev [MZUM].

Remarks: The species was previously recorded from «Middle Asia». So, this is a first record of the species from Kyrgyzstan and Tajikistan.

Syntormon filiger Verrall, 1912: 58 (nom. nov. for *Rhaphium rufipes* Zetterstedt, 1849, nec Meigen, 1824, nec Zetterstedt, 1838). Type locality: Denmark: ad Hafniam, ube in Amager (automatic). Distribution: Austria, Belgium, Bulgaria, Czech, Denmark, Finland, France, Germany, Greece (North Aegean), Hungary, Kazakhstan (Astana), Russia (Astrakhan, Rostov, Novosibirsk), Netherlands, Poland, Sweden, UK, Ukraine (Crimea).

=*rufipes* (Zetterstedt), 1849: 3060 (*Rhaphium*); Verrall, 1912: 58 (*Syntormon*). Type locality: Denmark: «ad Hafniam, ube in Amager».

=*obscurifrons* Parent, 1932: 229 (synonymised by Parent, 1938: 453). Type locality: Austria: Burgenland, Apetlon.

Material: 1♂, [Kazakhstan]: Tselinograd env., Novoishimka, 8.VI.1989, Grichanov [ZIN].

Syntormon francoisi Meuffels et Grootaert, 1999: 291 (nom. nov. for *Syntormon parvus* Vaillant, 1983, nec Vanschuytbroeck, 1951). Type locality: France: Alps, cascade de Ray, vallée de la Gordolasque (automatic). Distribution: France.

=*parvus* Vaillant, 1983: 274 (nom. preoccupied, nec Vanschuytbroeck, 1951). Type locality: France: Alps, cascade de Ray, vallée de la Gordolasque.

Remarks: The species may represent the true species or be placed in synonymy to either *S. fuscipes* or *S. spicatus* as there are no clear differences between the species concepts. Describing his new species from the Maritime Alps, Vaillant (1983) compared it with a male of «*S. spicatus*» taken from the Romanian Carpathians, whereas the type locality of *S. spicatus* is probably western Poland, and that of *S. fuscipes* – southern Germany. See also remarks under *S. spicatus*.

Syntormon freymuthae Loew, 1873: 252; Becker, 1918: 276 (as a variation of *S. denticulatus*), rest. by Parent, 1927: 91-92. Type locality: Russia: «Nischedrog'schen Gouvernement; bei Malaja Arja in Moskauer Gouvernement». Distribution: Estonia, Russia (Leningrad, Moscow, Nizhnii Novgorod), «Middle Asia».

Material: 1♂, [Russia]: Sablino, Petrograd. Gub., 9.V.1923, Stackelberg [det. A. Stackelberg] [ZIN].



Fig. 1. *Syntormon cilitibia* Stackelberg, habitus.



Fig. 2. *Syntormon pennatus* Ringdahl, habitus (Kabardino-Balkaria, compared with types).



Fig. 3. *Syntormon turanicus* Stackelberg, habitus (holotype).

Syntormon fuscipes (von Roser), 1840: 56 (*Porphyrops*); Denninger, 1950: 45 (*Syntormon*). Type locality: not given (Germany: Württemberg). Distribution: Abkhazia, Andorra, Austria, Belgium, Bulgaria, Czech, Denmark, France, Germany, Greece, Hungary, Netherlands, Poland, Romania, Russia (Krasnodar), Slovakia, Spain, Sweden, Turkey, UK, Ukraine (Carpathians, Crimea), «Yugoslavia»; Afrotropics: Burundi, Kenya.

=*spicatus* Becker, 1918: 283 (nec Loew, 1857; misident.).

Material: 1♂, Abkhazia: Muserskii reserve, 12.VI.1978, V. Rikhter [ZIN].

Remarks: Becker (1918: 219) considered *Porphyrops fuscipes* as doubtful species known from Germany only. Denninger (1950) synonymised *Porphyrops fuscipes* and *Syntormon spicatus* sensu Becker, not giving redescription or figures for a type of the former species. Becker (1918: 283) gave exact illustration of what he thought *S. spicatus* that was considered typical by all consequent researchers. The material cited by Becker was collected from «Silesia, Hungary, Corfu and France» and may belong to different species. The origin of specimen(s) from which his figures were made is unclear. Therefore, I restore *S. spicatus* from synonymy and consider distributional records for this species belonging to *S. fuscipes*. See also remarks under *S. spicatus* and *S. francoisi*. Two phenotypes of the species were recognized in the Afrotropical Region (Grichanov, 2001). They may represent different species or subspecies, and their real degree of separation from *S. fuscipes*, *S. francoisi* or *S. spicatus* may require molecular investigation. This is a first record of the species from Abkhazia.

Syntormon giordanii Negrobov, in Negrobov et Matile, 1974: 842. Type locality: Iran: «Khorramshahr, Stagno Porco Com. Mar.». Distribution: Iran.

Remarks: Negrobov (1991) erroneously recorded Italy as the species type locality (in fact, it is a country of types' depository and motherland of a collector). Therefore, Grichanov (2007) excluded this species from the fauna of Europe. See also remarks under *S. samarkandi*.

Syntormon iranicus Negrobov, in Negrobov et Matile: 1974: 842. Type locality: Iran: «Qars-i-Shirin, 40 km Est». Distribution: Iran.

Syntormon latitarsis Negrobov et Shamshev, 1984: 49. Type locality: Russia: Caucasus, 14 km N of Krasnaya Polyana, Chugush Mt. Distribution: Russia (Krasnodar).

Syntormon luteicornis Parent, 1927: 61. Type locality: France: Apt, Vaucluse. Distribution: France.

Remarks: The species was originally described by a single female from southern France. Speight et al. (1995) redescribed the holotype and doubted records of the species from other countries (Belgium, Czech, Romania, Spain). The specimen may represent an aberrant or juvenile form of a related *Syntormon* species with the two setae on female face (e.g. *S. tabarkae*) or a female of *Ceratopos seguyi* Vaillant, 1952, described from northern Algeria.

Syntormon macula Parent, 1927: 57 (as *macula* Oldenberg). Type locality: Romania: Mehadia, Alpes de Transylvanie (Hongrie). Distribution: ?Bulgaria, Germany, Hungary, Italy, Romania, Switzerland, UK.

Remarks: The species was originally described by a single female from the Transylva-

nian Alps, later recorded from several more countries. Its male was included in a key to British dolichopodid flies by d'Assis Fonseca (1978), but seems to be described after single immature male only (d'Assis Fonseca, 1949). See diagnosis of *S. macula mediterraneus* ssp. n.

Syntormon metathesis (Loew), 1850: 118 (*Rhaphium*); Loew, 1857: 34-35 (*Syntormon*). Type locality: Germany. Distribution: Austria, Belgium, Czech, Estonia, Finland, France, Germany, Hungary, Latvia, Netherlands, Poland, Romania; Russia (Krasnodar, Leningrad, «Ural», Voronezh), Spain, Sweden, Switzerland, Slovakia, Turkey.

=*simplicipes* Frey, 1915: 42; Becker, 1918: 279. Type locality: Finland: Karislojo, bei Pellonkyla.

=*dobrogicus* Pârvu, 1985: 151; Grichanov, 2007: 70. Type locality: Romania: Dobrogea, Babadag.

Remarks: Comparing surstylus drawn by Pârvu (1985: Fig. 3C and 1989: Fig. 4A) for *S. dobrogicus*, I suppose that the pictures belong to different species.

Syntormon miki Strobl, 1899: 126. Type locality: Spain: Algeciras. Distribution: Czech, France incl. Corsica, Greece incl. Crete, Ireland, ?Israel, Italy, Morocco, Poland, Portugal, Spain, «Yugoslavia», ?Slovenia, Sweden, Tunisia, UK.

=*florentinus* Becker, 1918: 279 (as *florentinus* Oldenberg in litt.) (nom. nud.).

Syntormon monilis (Haliday), in Walker et al., 1851: 205 (*Rhaphium*); Loew, 1859: 15 (*Synarthrus*); Becker, 1918: 279 (*Syntormon*). Type locality: England; Ireland. Distribution: Algeria, Austria, Belgium, Bulgaria, Czech, Denmark, France, Germany, Hungary, Ireland, Italy, Latvia, Morocco, Netherlands, Poland, Romania; Russia (Kabardino-Balkaria, Krasnodar, Leningrad, Moscow, Ural), Slovakia, Sweden, Switzerland, Tunisia, Turkey, UK, «Yugoslavia».

Material: 1♂, [Russia]: Petrograd. Gub., Kartashevka, 3.VII.1926, Stackelberg [det. A. Stackelberg] [ZIN]; 1♂, Russia: Kabardino-Balkaria, 5 km W Zalukodes, 21.VI.2000, Grichanov [ZIN].

Original description (Walker et al., 1851: 205). Male. Long. 1¼; alar. 2½ lin. Brassy-green. Front bluish. Antennae half as long as the thorax; arista nearly as long as the antennae. Wings narrowed towards the base. Abdomen with the second segment usually yellowish beneath and at the sides. Legs and fore coxae yellow; tarsi and hind femora dusky at the tip; fore metatarsus slightly dilated at the tip, last two joints of the middle tarsi dilated; hind metatarsus armed at the base beneath with a sharp hooked tooth, fringed with some short curved bristles. Rare. (E. I.).

Remarks: This short Haliday's description was for a long time considered exact to distinguish the species from other close relatives. It is worth noting that Haliday was probably the first who noted individual variability of abdomen colour in the genus *Syntormon* («Abdomen with the second segment usually yellowish...»). Most of the subsequent redescriptions of *S. monilis* (e.g. Loew, Becker, Parent) noted entirely dark abdomen, although I keep a photo of a true Swedish *S. monilis* with yellow at base abdomen, and M. Pollet found the same phenotype in Belgium (see Pârvu, 2009). Unfortunately, the coloration of abdomen (and legs) was considered a key character by many *Syntormon* key compilers, that caused creation of some new synonymous names or names to be synonymised in the genus.

Also, the Haliday's description did not mention the modification of the 2nd seg-

ment of fore tarsus, but describing the «fore metatarsus [=protarsus, =basitarsus, =segment 1] slightly dilated at the tip». However, in Dolichopodidae the apical dilation of one tarsomere always corresponds to basal dilation of an adjacent tarsomere. As a result, Pârvu (1989) did not take this rule into account and described *S. silvianus* that has no significant differences from the species concept of *S. monilis* except for the coloration of abdomen and hind femur. The 2nd segment of fore tarsus of *S. monilis* was described as globular («kugelförmig») by Loew (1859) and «swollen at base» by Parent (1938), but was considered simple (not swollen) by Pârvu (2009) who used a disputable note by Hodge (1993) on the presence of two forms of *S. monilis* in Britain (with or without swelling on fore tarsomere 2). Judging from a brief comparison of the two forms, I can suppose that Hodge's 'Species A' is a colour variation of true *S. monilis* described under the name *S. silvianus*, whereas his 'Species B' belongs to *fuscipes* group of species with simple fore tarsus (see my remarks under *S. spicatus*). Pârvu (2009) erroneously regarded *S. monilis* to be a rare endemic of the British Isles, whereas *S. silvianus* to be a widely distributed species in many countries of West Palaearctic. At present I consider the latter species as a doubtful Romanian endemic with uncertain relation to both *S. monilis* and Caucasian *S. submonilis* that was diagnosed also by variable colour characters (Negrobov, 1975: 654). Key characters of all the three species must be redescribed and accurately figured in order to define their true relations.

Syntormon mutillatus Becker, 1918: 280. Type locality: France: «Gabas, Lamus, West-Pyrenaen». Distribution: France.

Syntormon obscurior Parent, 1938: 452 (in key, as a variation of *S. sulcipes*) (described by Parent, 1927: 93, as unnamed variation of *S. sulcipes*); Negrobov, 1975: 657 (in key, as a subspecies of *S. sulcipes*); Negrobov, 1991: 56 (as a synonym to *S. sulcipes*); **stat. n.** Syntypes (males and females) in M. Zerny's collection (probably, Naturhistorisches Museum Wien, Austria). Type locality: Albania.

Remarks: The name *obscurior* was validated by Negrobov (1975) according to ICZN, 45.6.4.1 as published before 1981. Negrobov (1991) placed the name in synonymy to *S. sulcipes*, supposing that the variety originated from France. However, describing a new variety, Parent (1927) stated that the material was collected in Albania.

Syntormon pallipes (Fabricius), 1794: 340 (*Musca*); Fabricius, 1805: 266 (*Dolichopus*); Meigen, 1824: 55 (*Porphyrops*); Haliday, 1832: 353 (*Plectropus*); Haliday, in Walker et al., 1851: 204 (*Rhaphium*); Loew, 1857: 35 (*Synarthrus*); Schiner, 1862: 192 (*Syntormon*); Grichanov, 2001: 186. Type locality: Germany. Distribution: Abkhazia, Afghanistan, Algeria, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, China, Czech, Denmark, Egypt, Estonia, Finland, France, Georgia, Germany, Greece incl. Crete, Hungary, Iceland, Iran, Iraq, Ireland, Israel, Italy, Jordan, Kyrgyzstan, Latvia, Morocco, Netherlands, Norway, Poland, Portugal incl. Madeira, Azores, Romania, Russia (Adygea, Alania, Kabardino-Balkaria, Karachai-Cherkessia, Krasnodar, Leningrad, Murmansk, Rostov, Voronezh), Slovakia, ?Slovenia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Turkey, UK, Ukraine (Crimea, Kherson, Odessa), Uzbekistan, «Yugoslavia»; Oriental: China; Afrotropics: Madagascar, Tanzania, Yemen, St Helena (?introduced).
=hamatus (Zetterstedt), 1843: 475 (*Rhaphium*); Becker, 1918: 281 (*Syntormon*); Grichanov, 2006: 199. Type locality: Scandinaviae (Lund, Scania, Ostrogothia, Thynaes, Norvegiae), Dania [Sweden, Norway, Denmark].

=pseudospicatus Strobl, 1899: 126; Becker, 1918: 281 (as a variation of *S. pallipes*); Negrobov, 1975: 659 (as a species); Grichanov, 2001: 182 (as a synonym of *S. pallipes*). Type locality: Spain: Algeciras.

=uncitarsis Becker, 1902: 53; Becker, 1918: 281 (as a variation of *S. pallipes*); Negrobov, 1991: 55 (as a synonym of *S. pseudospicatus*). Type locality: Egypt: Fayûm [=Al Fayyûm]; Mitte März.

=immaculatus Santos Abreu, 1929: 414 (as a variation of *S. pallipes*); Negrobov, 1991: 55 (as a subspecies of *S. pallipes*). Type locality: Spain: Canary Is., La Palma.

=longistylus Grichanov, 2001: 187 (as a subspecies of *S. pallipes*). Type locality: Madagascar: Manyakatompo.

Material: 1♂, 1♀, Greece: Crete, Heraklion env., 7.VI.2000, Shamshev [VIZR]; 1♂, 1♀, [Ukraine: Crimea]: Karadag, Krym, 3-12.IX.1987, Tanasiichuk [ZIN]; 1♂, 1♀, Tajikistan: Sangvor, 10.VI.1977, Zlobin [ZIN]; 4♂, 1♀, Tajikistan: Kondara Gorge, Kvak tract, 12.VII.1977, Zlobin [ZIN]; 1♀, [Kyrgyzstan]: Osh Region, Bazar-Kurgan district, 12 km W Arslanbob, Ak-Terek, 1800 m, 27.VIII.1986, Tanasiichuk [ZIN]; 1♂, [Uzbekistan: Samarcand Region], Peyshambe / 12 [orange label; ex coll. A.P. Fedtshenko 1871; ZIN].

Remarks: The recent Catalogs (e.g., Negrobov, 1991; Yang et al., 2006) regarded *S. pallipes* and *S. pseudospicatus* to be different species. Grichanov (2001) considered them as colour phenotypes of the same species and did not find morphological differences between the two forms. They were often collected together; therefore, they cannot be subspecies. The subspecies *S. p. longistylus* Grichanov, 2001 known from Madagascar does not differ from both phenotypes in hypopygium morphology, but being very distinct in length ratio of antennomeres; otherwise it is closer to *pseudospicatus* phenotype. First record from Kyrgyzstan.

Syntormon pennatus Ringdahl, 1920: 25; Grichanov, 2006: 199. Type locality: Norway: Narvik. Distribution: Norway, Russia (Kabardino-Balkaria).

Material (Fig. 2): 4♂♀, Kabardino-Balkaria, Ozen', 43°13'N, 43°19'E, 13,15.VI.2001, Grichanov; 6♂, Kabardino-Balkaria, Bezengi, 43°10'N, 43°14'E, 18-19.VI.2001, Grichanov [ZIN].

Remarks: The material from Kabardino-Balkaria was directly compared with *S. pennatus* types deposited in the Lund Zoological Museum. See also remarks under *S. turanicus*.

Syntormon pumilus (Meigen), 1824: 53 (*Porphyrops*); Loew, 1857: 34-35 (*Syntormon*). Type locality: not given. Distribution: Afghanistan, Armenia; Austria, Belarus, Belgium, Bulgaria, Czech, Denmark, ?Egypt; Estonia, Finland, France, Germany, Great Britain, ?Greece, Hungary, Ireland, ?Israel, Italy, Latvia, Morocco, Norway, Poland, Romania; Russia (Astrakhan, Kabardino-Balkaria, Kaluga, Karelia, Krasnodar, Kursk, Leningrad, Lipetsk, Moscow, Murmansk, Novosibirsk, Pskov, Stavropol', Vologda, Voronezh, Yakutia), Slovakia, ?Slovenia, Sweden, Spain (Canary Is.), Tunisia, Turkey, UK, Ukraine (Kherson, Odessa), «Yugoslavia»; «Middle Asia». (Some records may belong to *S. denticulatus* or *S. triangulipes* and should be confirmed).

=longiseta (Zetterstedt), 1843: 471 (*Rhaphium*); Loew, 1850: 119 (*Rhaphium*); Becker, 1918: 282 (*Syntormon*); Grichanov, 2006: 199. Type locality: Sweden: «Ostrogothia, ad Haradshammar».

=*pusillus* (Zetterstedt), 1859: 5034 (*Rhaphium*); Becker, 1918: 282 (*Syntormon*); Grichanov, 2006: 199. Type locality: Sweden: Scania, Lindholmen.

=*pumilio* (Zetterstedt), 1859: 5035 (*Rhaphium*); Becker, 1918: 282 (*Syntormon*). Type locality: Sweden: Scania, Lindholmen.

=*ibex* Beazzi, 1903: 332 («Loew, olim in litt.»).

=*tridens* (Becker), 1918: 253 (*Xiphandrium*); Negrobov, 1991: 56 (*Syntormon*). Type locality: «Warschau und Schlesien».

=*rufipes* auct., nec Meigen, 1824 (misidentification) (Collin, 1940: 268).

Material: 1♂, Sweden: 7 km S Uppsala, 16.VI.1999, Grichanov [ZIN]; 1♂, [Russia]: Yashchera, Luzhskii Distr., Leningrad Region, 10.VII.1963, Stackelberg [det. A. Stackelberg as *S. rufipes*] [ZIN]; 1♂, [Russia]: Novosibirsk Region, Krasnozyorskoe, 21.VI.1988, Grichanov [ZIN]; 1♂, [Russia]: SW Yakutia, Biryuk River, 14 km upstream from Lena River, channel coast, on grasses at spruce forest, 16.VII.2008, A.K. Bagachanova [the Institute of Biological Problems of Cryolithozone, Siberian Branch of the Russian Academy of Sciences, Yakutsk].

Remarks: The species is firstly recorded from the Novosibirsk Region and Yakutia representing the easternmost point of its distribution.

Syntormon punctatus (Zetterstedt), 1843: 477 (*Rhaphium*); Becker, 1918: 276-277, 283 (as ?syn. of *Syntormon denticulatus*); Grichanov, 2006: 199. Type locality: Denmark. Distribution: Czech, Denmark, Germany, Norway, Poland, Russia (Leningrad, Moscow, Vologda), Sweden.

=*bisetosus* Becker, 1918: 275; Negrobov, 1991: 56. Type locality: Poland: «Nimptsch in Schlesien».

Material: 1♂, [Russia]: Sablino, Petrograd. Gub., 14.VIII.1924, Stackelberg [det. A. Stackelberg] [ZIN].

Syntormon rhodani Vaillant, 1983: 274. Type locality: France: «Alps, la vase de la caricaie de Saint-Benoît sur les bords du Rhône». Distribution: France.

Remarks: The species was incompletely described and illustrated, being a possible synonym to *S. metathesis*.

Syntormon samarkandi Negrobov, 1975: 659. Type locality: Uzbekistan: Kumak, Katkurgan distr., Samarkand region. Distribution: ?Iraq, Uzbekistan.

Remarks: Negrobov in his key to Palaearctic species (1975) misused the species name instead of *S. giordanii* Negrobov, 1974 (*S. samarkandi* was described with 5 strong black ventral bristles at base of fore femur, but was diagnosed in the key as bearing few long light hairs on the same place). Therefore, a record of *S. samarkandi* from Iraq (Olejniczak et al., 1995) may belong to *S. giordanii*.

Syntormon setosus Parent, 1938: 464 (described by Parent, 1927: 59 as *Syntormon* «espèce X»); Speight & Meuffels, 1989: 94. Type locality: France: «Dunes de Lion-sur-Mer (Calvados)». Distribution: Ireland, France, Italy, UK.

Remarks: The species was originally described by a single female from northern France. Later females of *S. setosus* were reported from Italy and Ireland with its male remaining undescribed (see Speight & Meuffels, 1989). The latter authors supposed that *S. setosus* is a synonym of *S. miki*, distinguishing the two species by only variable colour characters.

Syntormon silvianus Pârvu, 1989: 57; Pârvu, 2000: 157; Grichanov, 2007: 70 (as synonym of *S. monilis*); Pârvu, 2009: 295 (restored). Type locality: Romania: Piatra Craiului Mountains, Southern Carpathians. Distribution: Romania.

Remarks: See remarks under *S. monilis*.

Syntormon smirnovi Stackelberg, 1952: 403. Type locality: Tajikistan: Gissar Ridge, Varzob Gorge, Ziddy. Distribution: Kazakhstan, Kyrgyzstan, Tajikistan.

Syntormon spicatus (Loew), 1857: 33 (*Rhaphium*), **nom. resurr.**; Loew, 1857: 34-35 (*Syntormon*); Denninger, 1950: 45 (syn. of *Syntormon fuscipes*); here restored to species status. Type locality: Poland: «aus hiesiger Gegend» [= Meseritz]. Distribution: Poland.

Remarks: The species was synonymised with *S. fuscipes* (von Roser) by Denninger (1950) who studied a male type of the latter species and compared it with the Figs 202-204 provided by Becker (1918) for *S. spicatus*. However, Becker did not study Loew's types, but compared the material in his hands with the original description of the species and found some differences between them, e.g. in presence of antennal scape setation in *S. spicatus* sensu Loew and in hind tarsomere length ratio. Therefore, I consider Becker's description belonging to a different species (*S. fuscipes*), and restore *S. spicatus* from synonymy, as I consider Denninger's nomenclatural act to be based on Becker's misidentification (see remarks under *S. fuscipes* and *S. francoisi*). The distribution of *S. spicatus* Loew must be confined to the type locality, because all subsequent records of the species were made for *S. spicatus* sensu Becker.

Syntormon subinermis (Loew), 1869: 290 (*Synarthrus*); Becker, 1918: 284 (*Syntormon*). Type locality: Slovakia: Losoncz [=Lučenec]. Distribution: Austria, Czech, France, Georgia, Germany, Hungary, Israel, Kyrgyzstan, Romania, Russia (Kabardino-Balkaria, Pskov, Vologda), Slovakia, Sweden, Tajikistan, Turkey, Uzbekistan.

=*asiaticus* Negrobov, 1975: 663 (as a subspecies of *S. subinermis*). Type locality: Tajikistan: Gissar ridge.

Material: 1♂, Russia: Pskov Region, Velikie Luki, 30.VI.1997, Grichanov [ZIN]; 1♂, Russia: Kabardino-Balkaria, 2 km E Psynodakh, 21.VI.2000, Grichanov; 1♂, Tajikistan, Sangvor, 10.VI.1977, Zlobin [ZIN]; 1♂, Uzbekistan: N Navoi, Karatau Mts., 20 km WSW Langar, Gumbaz, 27.V.1984, Tanasiichuk [ZIN].

Remarks: First record from Uzbekistan.

Syntormon submonilis Negrobov, 1975: 662. Type locality: Russia: North Caucasus, Fish, Tybga. Distribution: Russia (Krasnodar). Here excluded from Kabardino-Balkaria.

Remarks: The species was included in the key (Negrobov, 1975) as having dark spot at apex of hind femur in contrast to entirely yellow hind femur in *S. monilis*, though the last species was originally described with «hind femora dusky at the tip». See remarks under *S. monilis*.

Syntormon sulcipes (Meigen), 1824: 31 (*Rhaphium*); Becker, 1918: 284 (*Syntormon*). Type locality: not given. Distribution: Albania, Andorra, Austria, Belgium, Czech, France, Germany, Hungary, Romania, Russia (Karachai-Cherkessia), Switzerland, UK, «Middle Asia».

=*oedicnemus* (Loew), 1859: 15 (*Synarthrus*); Becker, 1918: 284 (*Syntormon*). Type locality: not given.

Syntormon tabarkae Becker, 1918: 285. Type locality: Tunisia: Tabarka. Distribution: France, Greece, Tunisia, «Yugoslavia».

Syntormon tarsatus (Fallén), 1823: 7 (*Hydrochus*); Zetterstedt, 1838: 713 (*Dolichopus*); Haliday, in Walker & al., 1851: 205 (*Rhaphium*); Kowarz, 1884: 109 (*Syntormon*); Becker, 1918: 286 (*Syntormon*); Grichanov, 2006: 183. Type locality: Sweden. Palaearctic: Austria, Belarus, Belgium, Czech, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Latvia, Netherlands, Norway, Poland, Romania, Russia (Buryatia, Karelia, Kamchatka, Leningrad, Pskov), Slovakia, Sweden, UK, Ukraine (Kherson).

=*gratiosus* (Meigen), 1824: 100 (*Dolichopus*); Loew, 1857: 35 (*Syntormon*); Becker, 1917: 140; 1918: 286 (*Syntormon*). Type locality: not given [Germany: «aus hiesiger Gegend»].

=*obscurellus* (Zetterstedt), 1838: 709 (*Dolichopus*) (misinterpretation of Fallén, 1823, p.p.); Becker, 1917: 150; 1918: 286 (*Syntormon*). Type locality: Sweden: «Laponnia Umensi, ad Tresunda».

=*palmipes* (Meigen), 1824: 55 (*Porphyrops*); Becker, 1918: 286 (*Syntormon*). Type locality: not given.

=*vittatus* (Macquart), 1834: 444 (*Porphyrops*); Becker, 1918: 286 (*Syntormon*). Type locality: France: Bordeaux.

Material: 1♂, [Russia]: Yashchera, Luzhskii Distr., Leningrad Region, 16.VI.1963, Stackelberg [det. A. Stackelberg] [ZIN]; [Russia]: Leningrad Region, Vyborg distr., Bolshoi Berezovy Is., 1.VIII.1979, Kandybina [ZIN].

Remarks: *S. tarsatus* along with the Nearctic *S. palmaris* (Loew, 1864) and Far Eastern *S. pseudopalmarae* Negrobov et Shamshev, 1985 form rather distinct species group with their males having strongly widened and compressed laterally 2nd-4th segments of mid tarsus (see Negrobov & Shamshev, 1985).

Syntormon triangulipes Becker, 1902: 54. Type locality: Egypt: «Fayûm [=Al Fay-yûm], in der Wüste bei Siala». Distribution: Azerbaijan, Egypt, France, Russia (Krasnodar), Spain, Tajikistan.

Material: 1♂, [Russia]: Krasnodar env., Riv. Kuban' (VNIIBZR), 4.VI.2000, Grichanov [ZIN]; 1♂, S Tajikistan, Dusti vil. [env.: 37.32°N, 68.82°E], summer 1984, Grichanov [ZIN].

Remarks: First records from Russia and Tajikistan.

Syntormon turanicus Stackelberg, 1927: 229. Type locality: «Turkestan, Chanatum, Kokand, montes Alaiensis, prope amniculum Kizilsu». Distribution: Kazakhstan, Kyrgyzstan, Uzbekistan.

Material (Fig. 3): Holotype ♂, Alai / 22 [yellow label] / Typ. *Syntormon turanicus* Stackelberg sp.n. [ZIN].

Remarks: According to Stackelberg (1927), one male was collected by A.P. Fedtshenko at 22.VII.1871. The species differs from *S. pennatus* species concept in mid leg coloration only (see key below). Do they represent different species, subspecies or phenotypes of the same species, is the question for a future revision.

Syntormon zelleri (Loew), 1850: 121 (*Rhaphium*); Loew, 1857: 34-35 (*Syntormon*). Type locality: Italy: Sicilien. Palaearctic: Abkhazia, Austria, Azerbaijan, Belgium, Czech, France, Germany, Greece incl. Crete, Hungary, Iran, Ireland, Italy, Netherlands, Romania, Russia (Krasnodar), Slovakia, Spain, Switzerland, UK, “Middle Asia”. **Material:** 1♂, Abkhazia: 5 km SE Ritsa Lake, 10.VII.2004, Grichanov [ZIN].

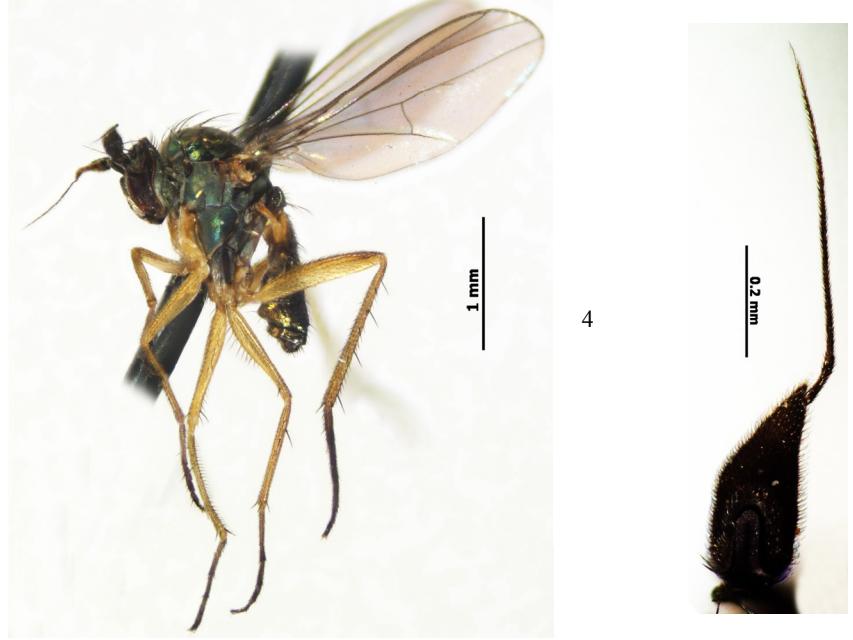
***Syntormon pilitibia* sp. nov.**

(Figs. 4-9)

Diagnosis. The new species belongs to a *S. pumilus* group of species (see below), being very distinct in having double ventral row of erect spinules along entire length of mid tibia. All other species of the group bear simple setulae on mid tibia, having no erect ventral spinules.

Type material. HOLOTYPE ♂, Israel: Menahamiya, 32.67 N, 35.57 E, 27.X.2911, N. Vikhrev [MZUM].

Etymology. From Latin *pilus*, *tibia* – ‘with haired tibiae’. Belongs to ventral row of fine erect spinules on mid tibia.



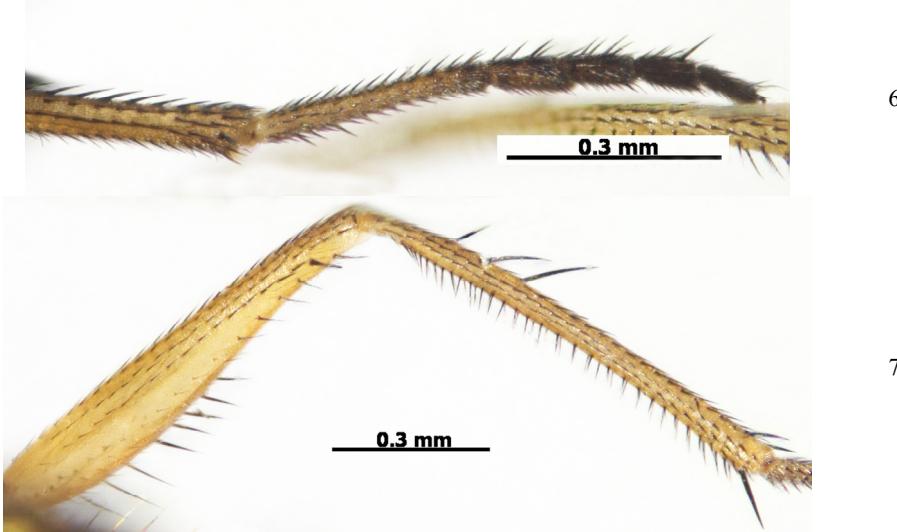
Figs. 4-5. *Syntormon pilitibia* sp. nov.: 4 – habitus, 5 – antenna.

Description. Male: Head: Frons metallic blue-violet; face with black ground colour, white pollinose; palpi and proboscis black; antenna black; scape setose dorsally; pedicel medianly with long projection, as long as scape; postpedicel tapering, 2.5 times longer than high; stylus dorsoapical, simple, with microscopic hairs; length ratio of scape to pedicel to postpedicel to stylomeres 1 and 2, 15/18/37/10/56; postoculars in single row, ventrally pale and dorsally black, and with some setae near cervix.

Thorax: Mostly greenish black, mesonotum with metallic violet-bronze reflections, metaepimeron with row of white hairs; katepimeron with 1-2 hairs; setae black; 6

dorsocentrals; 7-8 acrostichals short, uniserial; median scutellars strong, laterals as weak side hairs, and with pair of fine pale hairs medianly along scutellar margin.

Legs: Coxae mostly yellow; mid coxa black except yellow apex; hind coxa brownish at base; fore coxa with short pale anterior hairs and some strong black apical setae; trochanters, femora and tibiae yellow; hind femur dirty yellow at apex; tarsi black from tip of basitarsus; hind basitarsus mainly brown; fore femur with 6-7 short black ventral setae at base, of which 2 basal setae longish, nearly as long as femur diameter; and with subapical posteroventral seta; fore tibia with 2 strong dorsal setae at 2/5 and at apex, 1 posterior apical seta, and with short but distinct anterodorsal setal serration along distal half; fore basitarsus simple; 2nd segment of the same tarsus slightly swollen, with small but distinct apicoventral projection; 2nd-4th segments each with 1-2 somewhat elongated dorsal setae; mid femur with 8-10 ventral setae in basal half, the longest setae nearly as long as diameter of femur; and with subapical pair of strong antero- and posteroventral setae; mid tibia with 2 antero- and 1 posterodorsal strong bristles in basal half, with strong apicoventral bristle, and with 2 ventral rows of erect hairs along entire length; the hairs as long as tibia diameter; mid tarsus simple; hind femur with strong anterior subapical seta, without posterior subapical seta; hind tibia with 3 antero- and 3 posterodorsal bristles, and with some short ventral setae; hind tarsus unmodified. Fore leg length ratio (from tibia to tarsomere 5): 71/32/12/9/9/9, mid leg: 92/39/19/14/9/11, hind leg: 125/29/30/21/13/14.



Figs. 6-7. *Syntormon pilitibia* sp. nov.: 6 – fore tarsus, 7 – mid femur and tibia.

Wing: Hyaline; ratio of cross-vein *dm-cu* to apical part of CuA₁, 24/38; lower calypter yellow, with fan of mainly black setae; halter yellow.

Abdomen: Mostly greenish black, and with black vestiture; 2nd tergum with large yellow lateral spots; 5th segment ventrally expanded to form hood for hypopygium; hypopygium black, with brown cerci.

Female: unknown.

Measurements (mm): Body length 2.5, antenna length 1.2, wing length 2.6, wing width 0.9.



Figs. 8-9. *Syntormon pilitibia* sp. nov.: 8 – wing, 9 –hypopygium.

Syntormon macula mediterraneus ssp. nov.

(Figs. 10-13)

Diagnosis. The new subspecies differs from the current concept of *S. macula* in colour characters mainly. *S. macula* female was originally described with entirely dark abdomen, black hind coxa and dark spot on wing vein M (Parent, 1927). *S. macula* male was never illustrated, but was described (d'Assis Fonseca, 1949) and diagnosed in a key (d'Assis Fonseca, 1978) as follows: segments of front tarsus are uniformly decreasing in length towards apex, metatarsus is much shorter than combined length of remaining segments; middle and hind coxae are black, yellowish at apex; middle femur ventrally bears a fine bristle about middle, and a row of short black setulae from this bristle to base of femur; hind tarsus is simple, not noticeably thickened, uniformly dark; wing has a distinct brownish spot on apical section of discal vein. *S. m. mediterraneus* male corresponds to the description of female (Parent, 1927) and male (d'Assis Fonseca, 1949), but has 2nd, 3rd and 6th terga of abdomen largely yellow; hind coxa yellow; mid femur ventrally without a fine bristle and without a row of short black setulae; basal two segments of hind tarsus mainly yellow; wing with indistinct purplish spot on M flexion.

Type material. HOLOTYPE ♂, Israel: Baniass [Panyas], 13.VI.1982, A. Freidberg. **PARATYPES:** 4♂, Greece, Rhodes, Rhodes, 1-3.VII.1981, A. Freidberg [TAU].

Etymology. The subspecies is named after the Mediterranean Region.

Description. Male: Head: Frons metallic blue-violet; face with black ground colour, white pollinose; palpi and proboscis black; antenna black; scape setose dorsally; pedicel medianly with long projection, longer than scape; postpedicel tapering, 2 times longer than high; stylus strictly subapical, simple, with microscopic hairs; length ratio of scape to pedicel to postpedicel to stylomeres 1 and 2, 12/16/35/3/43; postoculars in single row, pale, with upper 4-5 setae black, and with some setae near cervix.



Figs. 10–13. *Syntormon macula mediterraneus* ssp. nov.: 10 – habitus, 11 – antenna, 12 – wing, 13 – hypopygium.

Thorax: Mostly greenish black, mesonotum with metallic violet-bronze reflections, metaepimeron yellow, with row of white hairs; katepimeron with 2–3 white hairs; setae black; 6 dorsocentrals; 7–8 acrostichals uniserial; median scutellars strong, laterals as weak side hairs.

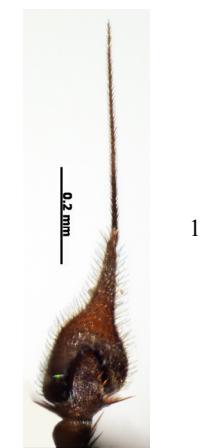
Legs: Coxae mostly yellow; mid coxa brown-black except yellow apex; fore coxa with short pale anterior hairs and some strong black apical setae; trochanters, femora and tibiae yellow; tarsi brown from tip of 2nd segment; legs simple, without remarkable setae and cilia; fore femur with subapical posteroventral seta; fore tibia with 1 short dorsal seta at middle, and with short but distinct anterodorsal setal serration along distal half; mid femur with subapical pair of strong antero- and posteroventral setae; mid tibia with 3 antero- and 1 posterodorsal strong bristles, with 1 short ventral bristle, with 3 apicals; hind femur with strong anterior subapical seta, 1 posteroventral subapical seta; hind tibia with 3 antero- and 5 posterodorsal bristles, and with some short ventral setae. Fore leg length ratio (from tibia to tarsomere 5): 92/50/24/18/10/10, mid leg: 130/59/30/20/12/10, hind leg: 167/34/35/22/17/13.

Wing: Hyaline, wing small dark spot on apical section of M₁₊₂, sometimes poorly discernible; ratio of cross-vein dm-cu to apical part of CuA₁, 30/43; lower calypter yellow, with fan of black setae; halter yellow.

Abdomen: Mostly yellow, and with black vestiture; 1st, 3rd and 6th terga partly, 4–5th terga mostly brown-black with greenish tinge; 5th segment ventrally expanded to form hood for hypopygium; hypopygium yellow, with yellow cerci.

Female: unknown.

19



10



11

13

20

Measurements (mm): Body length 3.0, antenna length 1.0, wing length 3.1, wing width 1.0.

Doubtful species

Syntormon decoratus (Haliday), 1832: 353 (*Plectropus*); Becker, 1918: 286 (*Syntormon*, unrecognized). Type locality: Ireland: Holywood.

Species excluded from *Syntormon*

Sympycnus praeteritus Parent, 1929: 9; Yang et al., 2006: 507 (*Syntormon*). Type locality: Germany: Rosenhof.

Remarks: The species was described by a single female from Germany. According to the original description, *Sympycnus praeteritus* along with *Syntormon bicolorrellus* and *Sympycnus simplices* Becker, 1908 represents one more intermediate form sharing features of both *Sympycnus* and *Syntormon* (=*Bathycranium*) that was noted by Parent (1929) himself. Yang et al. (2006) placed the species in the latter genus, giving no any explanation. Despite the strongly bulging face, it would be better to keep *S. praeteritus* in *Sympycnus* until the type will be studied. The broad bulging face is a female secondary sexual character found in *Telmaturgus* Mik, 1874, *Parasyntormon* Wheeler, 1899, monotypic genera *Hercostomoides* Meuffels et Grootaert, 1997, and *Ceratopos* Vailant, 1952, in some species of *Sympycnus* Loew, 1857 (e.g. *S. simplices*) and *Teuchophorus* Loew, 1857 (e.g. *T. longifrons* Bickel, 1983, and *T. queenslandicus* Bickel, 1983) in addition to *Syntormon*.

Rhaphium rufipes Meigen, 1824: 30; Becker, 1918: 277–278 (unrecognized); Parent, 1925: 42 (syn. of *Syntormon pumilus*); Collin, 1940: 268 (unrecognized species of *Rhaphium*). Type locality: not given.

Key to West-Palaearctic species and species groups of *Syntormon* (males)

Remarks: *S. luteicornis* and *S. setosus* known from females only, as well as subspecies of known species (*S. macula mediterraneus* and *S. subinermis asiaticus*) and phenotypes and subspecies of *S. pallipes* are not included in the key. As follows from my remarks (see above), I consider colour characters used in the previous keys to be very variable in the genus and inappropriate for distinguishing *Syntormon* species. It seems also that the length ratio of antennomeres and ratio of length and width of postpedicel are variable to a certain extent, as well as the length and number of ventral setae on femora. In addition, some species were incompletely described or poorly illustrated. Therefore, I have compiled a new key based mainly on male secondary sexual characters, indicating the following species groups that must be revised in the future:

Syntormon fuscipes group of species: simple fore tarsus and strong basoventral projection on hind basitarsus, bearing modified setae on apex of that projection: *francisi*, *fuscipes*, *spicatus*; *S. valae* Negrobov et Zhilina, 1986 described from Mongolia also belongs to this species group (see Grichanov, 2001);

Syntormon monilis group of species: modified tarsomeres of fore and mid tarsus and strong basoventral projection on hind basitarsus, bearing modified setae on apex of that projection: *monilis*, *silvianus*, *submonilis*;

Syntormon sulcipes group of species: simple tarsi except for the presence of divergent ventral setae on hind basitarsus, of which basal seta is stronger and directed basally: *bulgariensis*, *obscurior*, *sulcipes*; *S. siplivinskii* Negrobov, 1975 (Buryatia) is related to this species group;

Syntormon pennatus group of species: the ventral setae on hind basitarsus as in species of *sulcipes* group, but plumose dorsally and ventrally hind tibia and plumose dorsally hind tarsus: *pennatus*, *turanicus*;

Syntormon pumilus group of species: shortened fore tarsomeres, with at least 2nd segment of same tarsus swollen; more or less elongate basoventral setae or cilia on fore and mid femora:

– *metathesis* subgroup of species: no apical lobe on 2nd segment of fore tarsus: *metathesis*, *rhodani*.

– *pumilus* subgroup of species: distinct apical lobe on 2nd segment of fore tarsus; abdomen entirely dark (*pumilus*, *iranicus*) or abdomen with 2nd-3rd segments partly yellow (*giordanii*, *samarkandi*, *triangulipes*).

- 1. Hind basitarsus simple 2
- Hind basitarsus bearing processes, spines, leaf-like or long setae 9
- 2. Fore tarsus having segments regularly decreasing in length towards apex; basitarsus much shorter than combined length of remaining segments 3
- Fore tarsus with shortened 2nd-4th segments, with at least 2nd segment of same tarsus swollen; fore and mid femora with more or less elongate basoventral setae or cilia (*pumilus* group of species) 7
- 3. Antenna mostly or partly yellow; abdominal tergites extensively yellow; legs entirely yellow and simple; 2.5-3.0 *bicolorellus*
- Antenna entirely dark 4
- 4. Wing with small dark spot on M₁₊₂ just before middle of its distal part; legs simple; mid femur with at most one fine bristle about middle; mid tibia without long ventral setae; 3.0-4.0 *macula*
- Wing clear; either mid femur or hind tibia bearing long ventral setae 5
- 5. Mid femur without long ventral setae; hind tibia with posteroventral row of 8-10 long erect setae (Fig. 11); 5.0 *cilitibia*
- Mid femur with long ventral setae; hind tibia without long erect setae 6
- 6. Mid femur with 2-3 long ventral setae; hind tarsus distinctly thickened; 4.0-4.5 *miki*
- Mid femur with 12-14 long ventral setae; hind tarsus not thickened; 3.0 *codinai*
- 7. 2nd segment of fore tarsus slightly enlarged, without apical lobe; 3.2-4.5 *metathesis* subgroup of species
- 2nd segment of fore tarsus with distinct apical triangular prolongation 8
- 8. Mid tibia with double ventral row of erect hairs along entire length; the hairs as long as tibia diameter *pilitibia*
- Mid tibia with simple setulae, without erect ventral spinules; 1.7-3.0 *pumilus* subgroup of species
- 9. Hind tibia strongly thickened, bearing rows of long setae dorsally and ventrally 10
- Hind tibia simple or slightly thickened, usually without rows of long setae 11
- 10. Hind tibia with simple setae, longish ventrally; hind tarsus without dorsal plumation; hind basitarsus with basoventral tubercle bearing leaf-like branched appendix; 2.5 *smirnovi*
- Hind tibia plumose dorsally and ventrally; hind tarsus plumose dorsally; hind basitarsus bearing same ventral setae as *sulcipes* group of species; mid femur and tibia mainly yellow (*pennatus*: Fig. 12) or blackish except yellow knees (*turanicus*: Fig. 13); 2.5 *pennatus* group of species
- 11. Some apical segments of mid tarsus widened and flattened 12

- Mid tarsus simple 14
- 12. 2nd-4th segments of mid tarsus strongly widened and compressed laterally, black; hind tarsus black; hind tibia at apex thickened, black; hind tarsus black; hind basitarsus with long curved ventral seta; postpedicel 3 times longer than high at base; 3.0 *tarsatus*
- 4th and 5th segments of mid tarsus widened 13
- 13. 4th and 5th segments of hind tarsus widened; hind tibia thickened and slightly curved; hind basitarsus without spiniform ventral process, with 3 setae of unequal length; fore tarsus simple; postpedicel 1.2 times longer than high at base; 3.6-3.7 *latitarsis*
- 4th and 5th segments of hind tarsus not widened; hind tibia not thickened; hind basitarsus with long pointed basoventral process; fore tarsus ciliated, with shortened 2nd-4th segments; 2.5-3.0 *monilis* group of species
- 14. Hind basitarsus with long simple ventral setae 15
- Hind basitarsus with short hook-like curved setae, with leaf-like appendages or with process 17
- 15. Fore femur bearing long ventral seta at base; 1st and 2nd segments of hind tarsus each with 1 erect ventral seta at about middle, that on 2nd segment longer and square-ended; 2.0 *filiger*
- Fore femur without long ventral seta; 2nd segment of hind tarsus without ventral seta 16
- 16. Hind basitarsus with 2 strong ventral setae of equal length; 3.0 *punctatus*
- Hind basitarsus with 2 divergent ventral setae of unequal length; hind tibia laterally compressed and markedly club-shaped in lateral view; 3.0-3.3 *sulcipes* group of species
- 17. Hind basitarsus with leaf-like or worm-like ventral appendages, without unguiculate ventral spines or process 18
- Hind basitarsus with unguiculate ventral spines or with process 19
- 18. Hind basitarsus with 1 leaf-like pedunculate ventral appendix; 2.5-3.0 *subinermis*
- Hind basitarsus swollen at base ventrally, here with pair of yellowish oval leaf-like appendages surrounded by fine black setulose hairs; 3.0-3.5 *zelleri*
- Hind basitarsus with about 5 worm-like ventral appendages on basal swelling; 3.0 *mutillatus*
- 19. Hind basitarsus with basoventral or midventral pointed process or tubercle bearing bunch of modified setae 20
- Hind basitarsus with only two bare ventral hooks in basal half, without modified setae or process 22
- 20. Hind basitarsus swollen ventrally at middle; the swelling having a small tubercle bearing leaf-like pedunculate bilobate appendix in addition to rigid process terminating with two short hooks; 4.0 *tabarkae*
- Hind basitarsus swollen ventrally in basal 1/5, excavated ventrally in middle 1/3; the swelling having pointed process 21
- 21. Hind basitarsus with pointed process bearing 3 subapical worm-like appendages and 2 short thick apical setae; 2.5 *abbreviatus*
- Hind basitarsus with pointed process bearing apical bunch of 2-3 worm-like and some shorter thick apical setae; 2.1-3.25 *fuscipes* group of species
- 22. Postpedicel 3-3.5 times longer than high, nearly 2 times longer than stylus; mid femur without strong ventral setae; hind basitarsus with strong, fused at base ventral hooks; 3.0-3.75 *pallipes*

- Postpedicel at most 1.5-2 times longer than high, shorter than stylus; mid femur with row of ventral setae; hind basitarsus with weak, spiniform, distinctly separated ventral setae 23
- 23. Abdomen brownish yellow, with dark posterior margins of tergites; hind basitarsus with 2 slightly curved ventral setae; 4.0-6.0 *aulicus*
- Abdomen entirely dark; hind basitarsus with 2 strong curved ventral spines 24
- 24. Hind basitarsus with ventral spines at middle; lower calyptera with black cilia; 5.0-5.5 *freymuthae*
- Hind basitarsus with ventral spines at base 25
- 25. Postpedicel 1.5-2 times longer than high; lower calyptera with white cilia; 2.5-4.0 *denticulatus*
- Postpedicel as long as high; lower calyptera with ?white cilia; 2.0-3.0 *brevicornis*

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**AFROTROPICAL SPECIES OF THE GENUS *ASYNDETUS* LOEW (DIPTERA:
DOLICHOPODIDAE) WITH NOTES ON SOME PALAEARCTIC AND ORIENTAL
SPECIES**

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The genus *Asyndetus* Loew, 1869 in the Afrotropical Region is reviewed. It comprises 14 species including five new species and two doubtful species described by females. The genus is differentiated from other Diaphorinae by the following combination of characters: vein M broken and displaced; upper part of proepisternum with 1–4 fine setae; acrostichals present, biserial; male segment 8 with strong projecting setae. New species *A. congensis* sp. n. from D.R. Congo, *A. savannensis* sp. n. from D.R. Congo and Senegal, *A. madagascarensis* sp. n. from Madagascar, *A. namibiensis* sp. n. from Namibia and *A. pseudoseparatus* sp. n. from Gambia are described. A key to the Afrotropical species of *Asyndetus* is provided, as well as new records for some Afrotropical, Palaearctic and Oriental species. Lectotype and paralectotypes are designated for *A. albipalpus* Loew, 1871.

KEY WORDS: Dolichopodidae, *Asyndetus*, Afrotropical, Palaearctic, India, new species, new records, key.

И.Я. Гричанов. Виды рода *Asyndetus* Loew (Diptera: Dolichopodidae) тропической Африки с заметками о некоторых палеарктических и ориентальных видах

Дан обзор афротропических видов рода *Asyndetus* Loew, 1869, который содержит 14 видов, включая пять новых для науки и два сомнительных вида, описанных по самкам. Род отличается от других родов подсемейства Diaphorinae следующими признаками: жилка крыла M в вершинной части с разрывом; проэпистернум с 1–4 щетинками в верхней части; акростихальные щетинки двурядные; 8-й сегмент брюшка с крепкими длинными щетинками. Описаны и иллюстрированы *A. congensis* sp. n. из Д.Р. Конго, *A. savannensis* sp. n. из Д.Р. Конго и Сенегала, *A. madagascarensis* sp. n. с Мадагаскара, *A. namibiensis* sp. n. из Намибии, *A. pseudoseparatus* sp. n. из Гамбии. Приведены определитель афротропических видов *Asyndetus* и новые указания для известных видов из тропической Африки, Индии и Палеарктики. Обозначены лектотип и паралектотипы для *A. albipalpus* Loew, 1871.

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Introduction

The genus *Asyndetus* Loew, 1869 belongs to the subfamily Diaphorinae. There are more than 100 species of the genus (Grichanov, 2003–2013) reported from all zoogeographical regions of the Earth. In the Old World, it is quite diverse in the tropical and subtropical belts. Negrobov (1973) published the last review of Palaearctic *Asyndetus* species. Subsequently Bickel (1996) redescribed the genus, and Grootaert & Meuffels (2002) defined the *A. latifrons* species group. Oriental and Australasian faunas of the genus were treated by Meuffels & Grootaert (1993), Grootaert & Meuffels (2002), Bickel (1996), Zhang & Yang (2003), Wang et al. (2007).

Curran (1926a, b) was the first who described *Asyndetus* species from the Afrotropical Region (three species from South Africa). Few data, including descriptions of new species, have subsequently been published on the genus. Parent (1929a, 1930, 1937) and Séguy (1950) described 5 new species from DR Congo, Madagascar, Niger and the Hala'ib Triangle region. Grichanov (2000, 2012) found the South African *A. virgatus* Curran in Namibia and Sierra Leone; the Madagascan *A. decaryi* Parent was

recorded from South Africa (Grichanov & Urban, 2009) and Kenya (Grichanov et al., 2011a). *A. latifrons* (Loew) widely distributed in the Palaearctic and Oriental Regions was firstly reported from the Afrotropics (Gabon) by Grichanov (2011). There were no suitable keys to the Afrotropical species.

Material and methods

The holotypes and paratypes of the new species and other material cited are housed at the All-Russian Institute of Plant Protection, St. Petersburg, Russia (VIZR), the Finnish Museum of Natural History, Helsinki, Finland (MZB), the Hungarian Natural History Museum, Budapest, Hungary (HNHM), the Museum of Zoology, Lund University, Lund, Sweden (MZLU), the Natal Museum, Pietermaritzburg, South Africa (NMSA), the National Museum, Bloemfontein, South Africa (BMSA), the National Museum of Natural History, Paris, France (MNHN), the Natural History Museum, London, United Kingdom (BMNH), the Natural History Museum of Denmark (ZMUC), the Naturhistoriska Riksmuseet, Stockholm, Sweden (NHRS), the Royal Belgian Institute of Natural Sciences, Brussels, Belgium (IRSNB), the Royal Museum for Central Africa, Tervuren, Belgium (RMCA), the Zoological Institute of the Russian Academy of Sciences, St. Petersburg (ZIN), the Zoological Museum of Moscow State University, Russia (ZMU), the Zoological Museum of Tel-Aviv University, Israel (TAU), and the Zoologisches Museum, Universität Kiel, Kiel, Germany (ZMUK).

Specimens were studied and illustrated with a ZEISS Discovery V-12 stereomicroscope and an AxioCam MRc5 camera. Morphological terminology and abbreviations follow Cumming & Wood (2009). The relative lengths of the podomeres should be regarded as representative ratios and not measurements. Body length is measured from the base of the antenna to the tip of abdominal segment 8. Wing length is measured from the base to the wing apex. Male genitalia were macerated in 10% KOH. Figures showing the male genitalia in lateral view are oriented as they appear on the intact specimen, with the morphologically ventral surface of the genitalia facing up, dorsal surface down, anterior end facing right and posterior end facing left. Information on world distribution for known species follows Grichanov (2003–2013).

Systematics

Family Dolichopodidae

Subfamily Diaphorinae

Genus *Asyndetus* Loew

Asyndetus Loew, 1869: 34. Type species: *Asyndetus ammophilus* Loew, 1869, by designation of Coquillett, 1910: 511.

Meringopherusa Becker, 1902: 56; Strobl, in Czerny, Strobl, 1909: 189. Type species: *Meringopherusa separata* Becker, 1902, by designation of Dyte, 1975: 247.

Diagnosis. This cosmopolitan genus is defined (together with *Cryptophleps* Lichtwardt, 1898) by the synapomorphy of the broken and displaced vein M which readily distinguishes it from the related and probably ancestral genus *Diaphorus* Meigen, 1824. Small to medium-sized flies (body length 1.5–4.5 mm); upper part of proepisternum with 1–4 fine setae; acrostichals present, biserial; male segment 8 with four strong projecting setae (Grichanov, 2011). A thorough re-description of all the characters can be found in Bickel (1996). See also the definition of *A. latifrons* species

group by Grootaert & Meuffels (2002).

Remarks. The closely related genus *Cryptophleps* was originally distinguished from *Asyndetus* by lacking wing cross-vein *dm-cu* (Lichtwardt, 1898), and was later distinguished from *Asyndetus* by lacking mesonotal acrostichal setae (Lamb, 1922; Parent, 1938), hypopygial macrochetae (Negrobov, 1973; Grootaert & Meuffels, 1987) or upper proepisternal setae (Bickel 2005), by reduced number of notopleural and supralar setae (Negrobov, 1973). All these characters are quite variable within the *Asyndetus*, *Cryptophleps* and other genera of Diaphorinae, correlating mainly to the size of species. By now the presence or absence of acrostichal setae is the only appropriate character for distinguishing the two genera (Capellari & Grichanov, 2012).

Composition. The genus numbers more than 100 mostly Holarctic species, widely distributed across arid zones of Palaearctic and Afrotropical Regions. Thirteen species are recorded from Afrotropical Region.

Review of Afrotropical species

Asyndetus albifacies Parent, 1929a: 46.

Type material examined: Paratypes: 2♂, M. Halaib, 21.I.[19]29 / Coll. Efflatoun, Egypte / *Asyndetus albifacies* Par. ♂, cotype / paratype [MNHN].

Material examined: 1♂, Saudi Arabia: Bahara, March 77, Dr. Buttiker / 7 [BMNH]; 1♂, 2♀, Saudi Arabien, W. Buttiker / Bahara, 24.3.76 [BMNH]; 1♂, Saudi Arabien, W. Buttiker / Selouly's Farm, 30.10.75 [BMNH]; 2♂, Israel: Eilat env., ~29.57°N, 34.97°E, 25.X.2011, N. Vikhrev [ZMU].

Distribution: Type locality: Mt. Halaib. Afrotropical: Hala'ib Triangle (Egypt–Sudan border); Palaearctic: Israel, Saudi Arabia. New for Israel and Saudi Arabia.

Asyndetus albifrons Parent, 1929a: 45.

Type material examined: Paratypes: 2♂, 2♀, Bir Abrag, South Eastern Desert, 3.III.1928 / Coll. Efflatoun, Egypte / *Asyndetus albifrons* Par. ♂, cotype / paratype [MNHN]; 1♀, same labels [RMCA].

Distribution: Type locality: Bir Abrag (South Eastern Desert). Palaearctic or Afrotropical: Egypt (close to Hala'ib Triangle); Palaearctic: Iraq.

Asyndetus amaphinius Séguy, 1950: 275.

Type material examined: Holotype ♂: Monts Tarraouaji, 900 m, 8-12-IX / IFAN-1947, L. Chopard, A. Villiers / Type [red label] / *Asyndetus amaphinius* Type, E. Séguy vid. 48 [MNHN].

Distribution: Type locality: Niger: Aïr, Monts Tarraouaji. Afrotropical: Niger.

Asyndetus crassitarsis Curran, 1926b: 410.

Distribution: Type locality: South Africa: Transvaal, Kaapmuiden. Afrotropical: South Africa.

Asyndetus decaryi Parent, 1929b: 187 (in key); 1930: 100 (description).

Type material examined: Holotype ♂: Madagascar: Prov. d'Analalava, Maromandia, B. Decary, 1922 / Type [red label] / *Asyndetus decaryi* n. sp. ♂, O. Parent det. [MNHN].

Material examined: 3♂, 3♀, South Africa: Cape Province, 10 km S of Koomlanskloof, 32°40'S, 19°02'E, Malaise-trap, marshy meadow at riverside, 5-7.X.1994, M. Söderlund

[ZMLU]; 1♂, RSA: Cape Prov. 9 km NW Worcester, 33°37'S, 19°22'E, 9.X.1994, Loc. 11, leg. R. Danielsson [ZMLU]; 1♂, South Africa: Cape Province, Umngazi Mouth, 3129Da, 20.X.1972, M.E. Irwin, 3 to 10 m, coastal dunes [NMSA]; 1♂ (in alcohol), Madagascar: Foulpointe, 2.XI.1991, A. Pauly col., plage, bac jaune [IRSNB]; 2♂ (in alcohol), Madagascar: Foulpointe, X.1993, A. Pauly col., forêt, lagune, Piège Malaise [IRSNB]; 6♂, 2♀ (in alcohol), Madagascar: Tam., Foulpointe, 2.XI.1991, A. Pauly col., plage [IRSNB]; 3♂ (in alcohol), Madagascar: 25 km W. Morarano-chrome, XI.1991, forêt, bac jaune, A. Pauly [IRSNB]; 2♂ (in alcohol), Madagascar: Manakambahiny, Atn., I.1991, A. Pauly [IRSNB].

Distribution: Type locality: Madagascar: province d'Analalava, Maromandia. Afrotropical: Kenya, Madagascar, South Africa.

Asyndetus latifrons (Loew, 1857: 46) (*Diaphorus*); Loew, 1869: 298 (*Asyndetus*); Negrobov: 1973: 165 (Fig. 25); Pârvu, 1995: 298 (Fig. 5); Grootaert & Meuffels, 2002: 43 (Fig. 7); Grichanov et al., 2011b: 26 (Fig. 8), 33 (Fig. 78).

Material examined: Afrotropical: 1♂, 1♀, Kenya: Mombasa, 13.VIII.1983, A. Freidberg [TAU]; 1♂, [DR Congo:] Congo-belge, Bambesa, 22.VIII.1938, J. Vrydagh [IRSNB]; 1♂, (in alcohol), Gabon: Kougouleu, IX.1984, A. Pauly, Piège Malaise [IRSNB]; 4♂, 4♀ (in alcohol), Gabon: Voleu-Ntem, Assok-Ngum, 21.II.1986, A. Pauly, bac jaune, coupe forestière [IRSNB]; 38♂♀ (in alcohol), Gabon: Libreville, IX.1984, A. Pauly [IRSNB]; 16♂♀ (in alcohol), Gabon: Owendo, 9.XII.1985, A. Pauly, dunes littorales, bacs jaune [IRSNB]; Palaearctic: 1♂, [Russia:] Krasnodar Territory, Arkhipo-Osipovka, 14-26.VI.1992 / peach orchard, Grichanov; 1♂, Krasnodar Terr., Gelendzhik, env. vill. Betta, stream r. Betta, on stones, 11.VII.2006, Volfov, Talashinskii [VIZR]; 1♀, Russia: N Osetia-Alania, Alagir env., 5.VII.2000, I. Grichanov [VIZR]; 1♀, Russia: Adygea, Maikop, Vostochnaya str., garden, 4.IX.2009, K. Tomkovich [ZMU]; 2♂, 1♂, [Russia:] Belgorod Region, Borisovka vil., 5.VII.2001, D.D. Kostrov [ZMU]; 1 ♂ [size 3 mm], Yermasoyia Riv., Cyprus, coll. G. Mavromoustakis, 13.7.56 / R.I.Sc.N.B. 24236, Coll. M. Bequart [IRSNB]; 1♀, Turkey: Adapazari reg., Karasu env., 27.VIII.2009, N. Vikhrev, N. Dvoretskaya [ZMU]; 1♂, Turkey: Zonguldak reg., Alapli env., 41.14°N, 31.36°E, 19-20.VI.2010, N. Vikhrev [ZMU].

Distribution: Type locality: Poland: "Schlesien". Afrotropical: DR Congo, Gabon, Kenya; Palaearctic: Austria, Belgium, Bulgaria, Cyprus, Czech, Estonia, France, Germany, Hungary, Italy, N Kazakhstan, Netherlands, Poland, Romania, Russia (Adygea, Krasnodar, Leningrad, N Osetia-Alania, Voronezh, S Ural), Slovakia, Spain, Syria, Turkey; Oriental: Bangladesh, China, India, Pakistan, Philippines, Thailand. New for Kenya, DR Congo, Cyprus, some Russian regions (Adygea, Belgorod, N Osetia-Alania).

Asyndetus virgatus Curran, 1926a: 34; Grichanov, 2012: 2 (Figs. 1–2)

Type material examined: Holotype ♂, Paratype ♂: Middelburg [25°47'S:29°28'E], 13.2.[19]25, H.K. Munro [NMSA]; Paratype 1♀: East London, 9.3.25, H.K. Munro [NMSA].

Material examined: 2♂, Natal: Weenen, IV.1924, H.P. Thomasset / Pres. by Imp. Inst. Ent. Brit. Mus. 1932-338 / *Asyndetus virgatus* Curr., det. C.E. Dyte; 1 ♀, Natal: Weenen, 2840 ft., I.1924, H.P. Thomasset, Thorn country [other labels are the same; BMNH]; 2♂, 3♀, South Africa: Natal, Ashburton, 15 km SE of Pietermaritzburg,

II.1977, J.G.H. Londt, Malaise in Grassland [NMSA]; 1♂, **South Africa**: Natal, Lynnfield Park, 13 km SE of Pietermaritzburg, 29°41'S, 30°29'E, Acacia thornveld area, 31.III.1989, A.E. Wittington [NMSA]; 1♂, **South Africa**: Natal, 15 km SE Ingwavuma, 2732Aa, 21.II.1979, J.G.H. Londt, Bushy area with big trees ex Malaise trap [NMSA]; 1♂, **South Africa**: KwaZulu-Natal, Royal Natal National Park, Mahai River, 28°41.386'S, 28°56.288'E, 17-18.II.2010, Malaise trap (1), straddling Mahai River, A.H. Kirk-Spriggs [BMSA]; 25♂♀, **South Africa**: Free State, Brandfort, Florisbad Res. Stat., 28°46.039'S, 26°04.234'E, 4-6.IV.2009, Malaise traps, Acacia savanna, A.H. Kirk-Spriggs [BMSA]; 1♂, **South Africa**: KwaZulu-Natal, Ndumo Game Reserve, Shokwe area, 26°52.125'S, 32°13.731'E, 30.XI-4.XII.2009, Malaise traps, Ficus forest, A.H. Kirk-Spriggs [BMSA]; 1♀, **South Africa**: KwaZulu-Natal, Ndumo Game Reserve, main road, 26°54.288'S, 32°17.974'E, 4-8.XII.2009, Malaise traps, sand [forest] & broad-leaved deciduous forest, A.H. Kirk-Spriggs [BMSA]; 1♀, **South Africa**: E. Cape, Tsitsikamma National Park, Plaatbos Nature Reserve, 33°59.283'S, 23°55.275'E, 20-22.I.2009, Malaise trap, Oubrug, Storms River margin, indigenous forest, A.H. Kirk-Spriggs & S. Otto [BMSA]; 8♂, 8♀ [in alcohol], [Ivory Coast:] C.I., Komandimi, NP Comoe, Camp Univ. Würzb., 8°45' N, 3°49' W, G-Schale, 13-31.I.1998, leg. S.Hilger [ZMUK]; 2♂, 1♀ [in alcohol], Gabon: Ntoum, X.1984, A. Pauly, Piège Malaise, Pâturage [IRSNB]; 2♀ [in alcohol], Gabon: Booué, IX.1984, A. Pauly, Piège Malaise [IRSNB]; 5♂, [in alcohol], Gabon: Ntoum, X.1985, A. Pauly, , bac jaune, plantation sur brûlis [IRSNB], 36♂♀ [in alcohol], Gabon: Lastourville, VIII-X.1984, A. Pauly, Piège Malaise [IRSNB]; 4♂, 5♀ [in alcohol], Guinea-Bissau: Bafatá, Bafatá, 8-10.IX.2004, N. Jönsson [ZIN]; 1♂, [DR Congo:] Congo-belge, Rutshuru, 30.XI.1937, J. Ghesquière [IRSNB]; 1♂, [DR Congo:] Congo-belge, Kivu, Rutshuru (riv. Fuku), 1250 m, 6.VII.1935, G.F. de Witte: 1682 [IRSNB]; 1♂, [DR Congo:] Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/4, 24.VII.1952, H. De Saeger, 3864 [RMCA]; 1♂, [DR Congo:] Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/4, 18.IX.1952, H. De Saeger, 4077 [RMCA]; 1♂, [DR Congo:] Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/8, 10.IV.1952, H. De Saeger, 3313 [RMCA]; 1♂, [DR Congo:] Congo Belge, P.N.G., Miss. H. De Saeger, II/fd/17, 3.I.1952, H. De Saeger, 2991 [RMCA]; 1♂, Kenya: Tiwi, Beaches, 4 14 S, 39 36 E, 14-23.VIII.1975, B. Petersen [ZMUC]; 1♂, Ghana: Kumasi, No. 13, 18-20.VI.1965, leg. Endrody-Younga [HNHM]; 1♂, Botswana: SE district, Gaborone city, National Museum garden, light trap, 8-10.XI.1993, Bert A.V. Wiklund [NHRS]; 1♂, Malawi: Kasungu Nat. Park, Lifupa Camp, 1333Aa, 9-10.XII.1980, 1000 m, Stuckenbergs & Londt, *Brachystegia* [NMSA]; 1♂, 1♀, Yemen: Ma'rib, Ma'rib, 24.IV.1992, R. Linnavuori [MZB].

Remarks: A male from Yemen differs in the presence of 6 strong bristles (rather than 4) on segment 8 and elongate setulae on anteroventral and anterodorsal surfaces of hind tibia, about as long as diameter of tibia. Surstyli of studied specimens are variable to a certain extent in length and setulation.

Distribution: Type locality: South Africa: Mpumalanga: Middelburg. Afrotropical: Botswana, DR Congo, Kenya, Gabon, Ghana, Guinea-Bissau, Ivory Coast, Malawi, Namibia, Sierra Leone, South Africa, Yemen. New for Botswana, DR Congo, Kenya, Gabon, Ghana, Guinea-Bissau, Ivory Coast, Malawi, and Yemen.

Asyndetus pseudoseparatus sp. nov. (Fig. 1)

Diagnosis. *A. pseudoseparatus* differs from other Afrotropical species of the genus in lacking cross-vein *dm-cu*, distinctly broken M_{1+2} , simple tarsi bearing claws and small pulvilli. It is very close to *A. separatus* in external morphology, differing from the latter in the presence of claws and small pulvilli on at least anterior four tarsi, in absence of strong ventral setae on mid and hind femora. *A. separatus* male has enlarged tarsal pulvilli, about half as long as segment 5, lacking claws on fore and mid tarsi and having one claw on hind tarsus. Male genitalia of the two species are very close to each other except for the shorter mid-dorsal seta on ventral lobe of surstylos in *A. separatus*, half as long as figured for *A. pseudoseparatus* (Fig. 1). In addition, an examined *A. separatus* male from Egypt has asymmetrical epandrial lobes (see below).

Type material. HOLOTYPE ♂, Gambia: Kotu stream about 3 km SW Bakau, in vegetation and fresh water, 23.II.1977, UTM 28PCK16-88, Loc. No. 3 / Lund Univ., Syst. Dept., Sweden Gambia/Senegal. Febr.-March 1977, Cederholm - Danielsson - Larsson - Mirestrom - Norling - Samuelsson [ZMLU]. **PARATYPES:** 1 ♀, same labels; 1 ♀, Gambia: about 1 km E Yoga Jula milestone 105, 2.III.1977, Loc. No. 13, UTM 28PDK28-83 / Lund Univ., Syst. Dept., Sweden Gambia/Senegal. Febr.-March 1977, Cederholm - Danielsson - Larsson - Mirestrom - Norling - Samuelsson [ZMLU].

Etymology. The species is named for its similarity with *Asyndetus separatus* Becker.

Description. Male: **Head:** frons bronze-black, grey pollinose; face black, densely whitish pollinose, weakly narrowed, slightly higher than wide under antennae; occiput concave, black, grey pollinose; pair of long ocellar, pair of long vertical, and pair of shorter postvertical bristles; postocular setae relatively short, uniserial, black above, whitish below; lower postcranium with rather long white setae; eyes with microscopic white hairs. Antennae inserted in middle of head, black, longer than height of head; scape long, bare; pedicel covered with dorsal and ventral setulae; postpedicel subtriangular, with rounded apex, as long as high, covered with short hairs; arista-like stylus mid-dorsal, with microscopic hairs; length ratio of scape to pedicel to postpedicel to stylus, 9/4/6/26. Palpus short, yellow, with several hairs and 2 black apical setae; proboscis short, black, with short black hairs.

Thorax: mesonotum metallic dark-green; pleura black-green, weakly pollinose; four pairs of dorsocentral bristles; acrostichals biserial, well developed, 4 or 5 pairs; scutellum with two long strong setae and two short lateral hairs.

Legs: coxae and femora black except yellow apices, tibiae yellow, fore and mid tarsi black except most part of basitarsus yellow, hind tibia dark at apex, hind tarsus entirely black; fore coxa anteriorly with black hairs and setae of various length; mid coxa with black setae anteriorly and apically; mid and hind coxae with black external seta; fore femur with short setulae; mid and hind femora with 3 to 5 fine ventral hairs, 2/3 as long as femora diameter and 2 or 3 fine subapical anterior setae; fore tibia without conspicuous setae; mid tibia with 2 long anterodorsal, 2 short posterodorsal bristles; hind tibia with 1 or 2 anterodorsal, 3-4 posterodorsal bristles; all tibiae with apical setae; tarsi simple, with short claws and small pulvilli; coxa, femur, tibia and tarsomere (from first to fifth) length ratio: fore leg: 25/38/39/20/9/7/5/5, mid leg: 18/40/47/25/10/8/5/5, hind leg: 12/45/56/15/14/9/6/-.

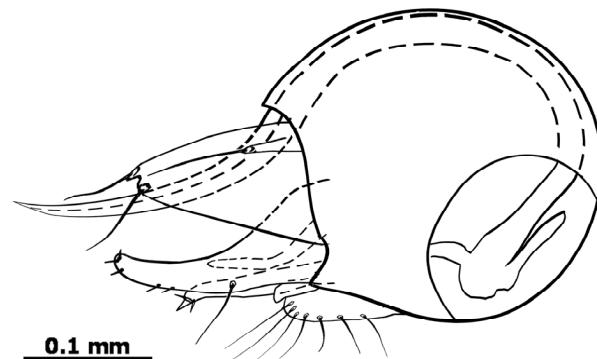


Fig. 1. *Asyndetus pseudoseparatus* sp. nov., hypopygium, lateral aspect.

Wing: hyaline, veins brown; R_1 short, ending at basal 2/5 of wing; ratio of costal section between R_{2+3} and R_{4+5} to that between R_{4+5} and M_{1+2} , 14/23. R_{2+3} and R_{4+5} straight; M_{1+2} distinctly interrupted with broken sections partly running parallel to each other; cross-vein $dm-cu$ absent; anal vein well developed; anal angle obtuse; lower calypter yellow, with fine white cilia; halter yellow.

Abdomen: bronze-black, with black hairs and marginal setae; sterna 4-5 developed, setose; tergum 6 glabrous; sternum 6 and segment 7 reduced; segment 8 large, rounded, with four strong black bristles; hypopygium (Fig. 1) black, small, partly concealed; epandrium flattened laterally, with left lateral foramen; hypandrium fused with epandrium, simple, short; phallus long and thin, simple; a pair of long and broad symmetrical epandrial lobes originating near base of hypandrium, with 2 apical and 1 basal setae as figured; surstyli bilobate, more or less straight; ventral lobe of surstyli gradually narrowed towards apex, bearing some short setulae and one strong middorsal seta; dorsal lobe narrow, more than half as long as ventral lobe, bearing short apical spine; postgonite narrow, slightly curved ventrally, reaching middle of surstyli; cercus small, rounded, bearing short setae.

Female: similar to male except lacking MSSC.

Measurements (mm): Body length 1.7, antenna length 0.5, wing length 1.7, wing width 0.6.

Asyndetus congensis sp. nov.

(Figs. 2-6)

Diagnosis. The new species is close to *A. namibiensis*, both differing from other Afro-tropical species in the unusually ciliated hind tibia (see key below). Male of *A. congensis* has ventral setae on mid and hind femora about twice as long as diameter of corresponding femur.

Type material. HOLOTYPE ♂, D.R. Congo, Oriental Prov., Lieki village area at: 00°41.117'N, 24°14.362'E, 25.v-4.vi.2010, A.H. Kirk-Spriggs, sweeping, bush paths & village environs [BMSA]. PARATYPE ♀, same label.

Etymology. The species is named for the country of origin.

Description. Male (Fig. 2): **Head** (Fig. 3): vertex flat; upper occiput concave; frons wider than face, black, grey pollinose; face wide, parallel-sided and covered by silvery-white shining dust on black ground-colour; face under antenna 1.5 times as wide as basal height of postpedicel; one pair of strong ocellars; one strong vertical bristle on each side at eye margin; one postvertical on each side, not far from upper postocular

seta; postocular setae relatively short, uniserial, black above, whitish below; lower postcranium with rather long white setae. Antenna (Fig. 3) black; scape and pedicel normal; postpedicel subtriangular with rounded tip, nearly as long as high, bearing short hairs; arista-like stylus dorsal, with short segment 1 and long segment 2. Length ratio of scape to pedicel to postpedicel to stylus (segments 1 and 2), 8/6/8/5/58. Proboscis and palpus small, black; palpus whitish pollinose, with black setae.



2



3



4



5

Figs. 2-5. *Asyndetus congensis* sp. nov.: 2 – habitus, 3 – head, 4 – hind leg, 5 – wing.

Thorax: shining greenish-black, weakly pollinose; upper part of proepisternum with one black seta anteriorly; lower part of proepisternum with one strong and one weak black setae above coxa; 4 pairs of strong dorsocentral bristles of about equal length; additional short fine seta between 2nd and 3rd dorsocentrals, somewhat shifted; short acrostichals in biserial row; scutellum with one pair of strong widely spaced bristles and two small lateral setae.

Legs: mainly greenish-black, with black bristles and hairs, fore and mid knees dirty yellow, fore and mid tibiae pale brown; fore and mid coxae with some short and long setae anteriorly; hind coxa with one seta at base; fore femur with two ventral rows of fine setae, usually shorter than height of femur (MSSC); mid femur with 5-6 anteroventral and 5-6 posteroventral setae in middle, 2-3 times longer than height of femur (MSSC), with short anteroventrals and posteroventrals at apex; hind femur (Fig. 4) with 3-4 anteroventrals in middle and 3-4 posteroventrals behind middle, 1.5-2 times longer than height of femur (MSSC), with 2 elongate subapical anteroventral and 3 short subapical posteroventral setae; fore tibia with 1 fine dorsal at basal quarter, with 3-4 apicals and posteroventral row of elongate setulae (MSSC); mid tibia with 2 anterodorsals and 2 posterodorsals, of which upper anterodorsal bristle somewhat stronger, 3-4

apicals; hind tibia (Fig. 4) inconspicuously thickened in basal half (MSSC), with 2 strong dorsal and 1 strong posterodorsal bristles, with 3–4 shorter posterodorsals, with 7–8 fine posterior setae in basal two thirds, 1.5–2 times longer than diameter of tibia (MSSC), with double antero- and posterodorsal row of fine setae in distal two thirds, 1.5–2 times longer than diameter of tibia (MSSC), with 4 apicals; fore basitarsus with posteroventral row of elongate setulae, slightly longer than diameter of segment (MSSC); all tarsi without claws, with enlarged pulvilli (MSSC); femur, tibia and tarsomere (from first to fifth) length ratio: fore leg: 77/72/34/11/9/7/10, mid leg: 77/82/40/19/12/9/10, hind leg: 89/94/30/23/15/9/10.

Wing (Fig. 5): colorless and transparent, with brown veins; ratio of costal section between R_{2+3} and R_{4+5} to that between R_{4+5} and M_{1+2} , 23/34; R_{4+5} and M_{1+2} subparallel in middle part and slightly divergent in apical part of wing; M_{1+2} with bend in middle of apical part, strongly weakened at bend and somewhat weakened in apical part; section of M_{1+2} between posterior cross-vein ($dm-cu$) and bend slightly longer than that between bend and wing margin (69/66); $dm-cu$ located at level of R_1 ; ratio of apical portion of CuA_1 to $dm-cu$, 73/13; anal vein distinct, anal lobe developed, anal angle obtuse; calypter yellow, with simple yellow cilia; halter yellow.

Abdomen: black, with black setation; sterna 4–5 developed, setose; tergum 6 glabrous; sternum 6 and segment 7 reduced; segment 8 large, rounded, with four strong black bristles; hypopygium (Fig. 6) black, small, partly concealed; epandrium flattened laterally, with left lateral foramen; hypandrium fused with epandrium, simple, short, triangular (ventral aspect); phallus long and thin, simple; a pair of long and narrow symmetrical epandrial lobes originating near base of hypandrium, pointed at apex, with 3–4 setae as figured; surstylos bilobate, more or less straight; ventral lobe of surstylos subtriangular in basal half, narrow in distal half, with subapical ventral notch, bearing some short setulae and one strong but short middorsal seta; dorsal lobe narrow, half as long as ventral lobe, bearing short apical seta; postgonite reduced, concealed; cercus black, small, rounded, bearing short setae.

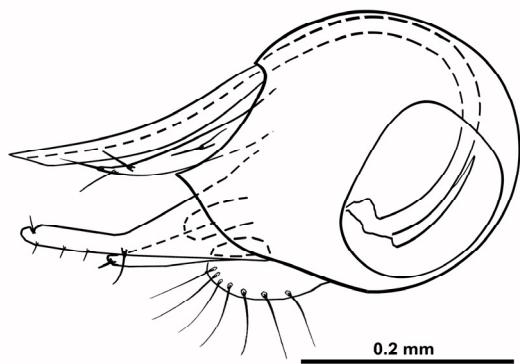


Fig. 6. *Asyndetus congensis* sp. nov., hypopygium, lateral aspect.

Female: similar to male except lacking MSSC, otherwise as noted: face white pollinose; hind tibia with 1 anterodorsal and 2–3 posterodorsal bristles; abdomen with anal plate projecting, rounded; hemitergites of last segment each with 4 thick spines.

Measurements (mm): Body length 2.1, antenna length 0.76, wing length 2.2, wing width 0.8.

Asyndetus savannensis sp. nov.

(Figs. 7–9)

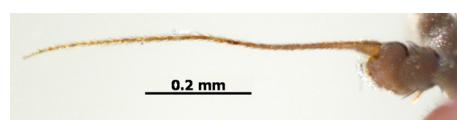
Diagnosis. The new species is close to *A. congensis* and *A. madagascarensis*, differing in distinctly interrupted M_{1+2} , with broken sections usually partly running parallel to each other; in acicular in distal half epandrial lobe, bearing one strong apical seta. *A. congensis* and *A. madagascarensis* have more or less weakened bend in middle of apical part M_{1+2} ; epandrial lobe bearing two apical setae in *A. madagascarensis*; male of *A. congensis* has ventral setae on mid and hind femora about twice as long as diameter of corresponding femur (see key below).

Type material. HOLOTYPE ♂, [D.R. Congo], Congo Belge, P.N.G., Miss. H. De Saeger, II/fd/17, 29.VII.1952, H. De Saeger, 3844 [RMCA]. PARATYPES 9♂, same label; 1♂, [D.R. Congo], Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/4, 8.VIII.1952, H. De Saeger, 3923 [RMCA]; 1♂, [D.R. Congo], Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/6, 2.IX.1952, H. De Saeger, 4023 [RMCA]; 1♂, [D.R. Congo], Congo Belge, P.N.G., Miss. H. De Saeger, II/gc/8, 9.IX.1952, H. De Saeger, 4042 [RMCA]; 1♂, [D.R. Congo], Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/4, 31.VII.1952, H. De Saeger, 3859 [RMCA]; 1♂, [D.R. Congo], Congo Belge, P.N.G., Miss. H. De Saeger, II/gd/4, 25.VIII.1952, H. De Saeger, 3978 [RMCA]; 2♂, Senegal: M'Bour, St. ORSTOM, 7.XII.1979, D. Pluot [MNHN].

Etymology. The species is named for the ecoregion uniting two rather distant collection areas in NE Congo and Senegal, where the new species was taken.

Description. Similar to *A. congensis* in all respects, except for the following features. **Male**: **Head**: antenna (Fig. 7) black; length ratio of scape to pedicel to postpedicel to stylus (segments 1 and 2), 10/6/10/5/61.

Thorax: no additional short seta between 2nd and 3rd strong dorsocentrals.



7



8

Figs. 7–8. *Asyndetus savannensis* sp. nov.: 7 – antenna, 8 – wing.

Legs: mainly greenish-black, knees dirty yellow, fore and mid tibiae and bases of tarsi pale brown, hind tibia brown; all femora with two ventral rows of fine setae, half as long as height of femur (MSSC); hind tibia simple, without rows of remarkable setae; femur, tibia and tarsomere (from first to fifth) length ratio: fore leg: 86/82/40/17/12/10/11, mid leg: 92/96/47/22/15/10/10, hind leg: 95/105/34/26/15/10/13.

Wing (Fig. 8): colorless and transparent, with brown veins; ratio of costal section between R_{2+3} and R_{4+5} to that between R_{4+5} and M_{1+2} , 28/46; R_{4+5} distinctly convex anteriorly at wing apex; M_{1+2} distinctly interrupted, with broken sections usually partly running parallel to each other; section of M_{1+2} between posterior cross-vein ($dm-cu$) and bend distinctly longer than that between bend and wing margin (88/72); $dm-cu$ located right before level of R_1 ; ratio of apical portion of CuA_1 to $dm-cu$, 93/18.

Abdomen: black, with black setation; sterna 4–5 developed, setose; tergum 6 glabrous; sternum 6 and segment 7 reduced; segment 8 large, rounded, with four strong black bristles; hypopygium (Fig. 9) black, small, partly concealed; epandrium flattened laterally, with left lateral foramen; hypandrium fused with epandrium, simple, short, triangular (ventral aspect), with apical brush of setae; phallus long and thin, practically

simple, with indistinct dorsal serration at base of swollen part; a pair of long symmetrical epandrial lobes originating near base of hypandrium, broad at base, acicular at apex (with somewhat variable length and width, in holotype slightly longer, than in some paratypes), with 1 apical and 2 subapical setae as figured (variable in location and length in paratypes); surstyli bilobate, more or less straight; ventral lobe of surstyli subtriangular in basal half, narrow in distal half, with subapical ventral notch, bearing some short setulae (variable in number and length in paratypes) and one short, but strong apicoventral spine, having no middorsal seta; dorsal lobe narrow, about half as wide as ventral lobe in middle, bearing short apical spine; postgonite bilobed, with both lobes narrow, curved ventrally, reaching apex of dorsal lobe of surstyli; cercus black, small, rounded, bearing short setae.

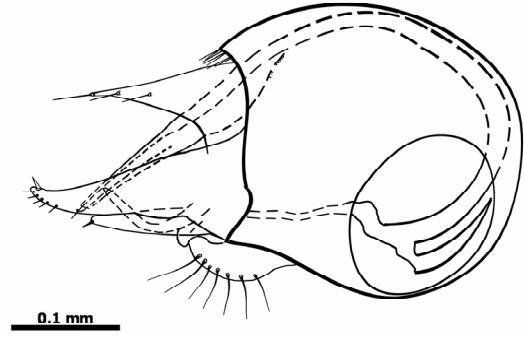


Fig. 9. *Asyndetus savannensis* sp. nov., hypopygium, lateral aspect.

Female: unknown.

Measurements (mm): Body length 2.6–2.8, antenna length 0.85, wing length 2.6, wing width 0.9.

Asyndetus namibiensis sp. nov.

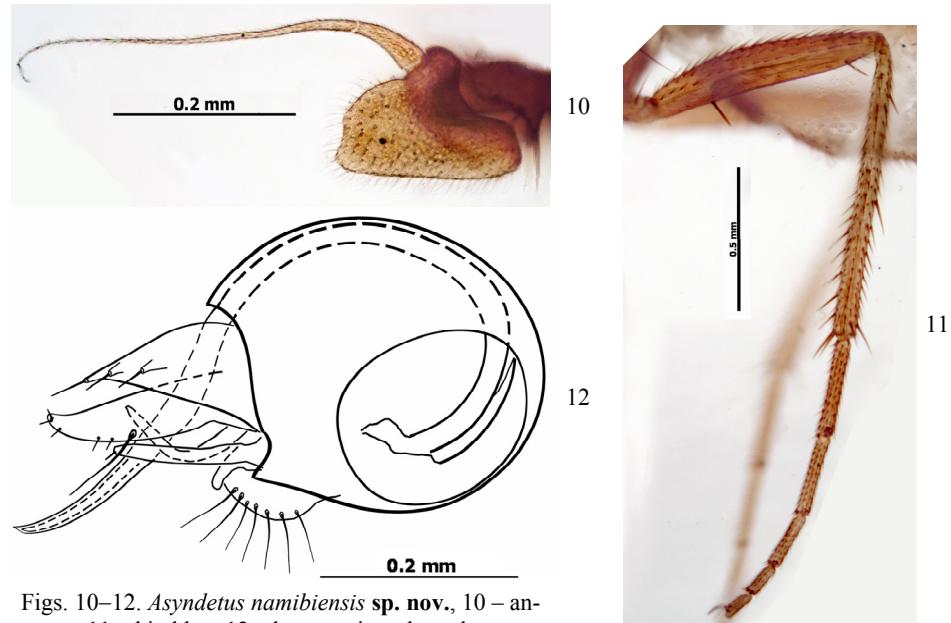
(Figs. 10–12)

Diagnosis. The new species is close to *A. congensis*, both differing from other Afrotropical species in the unusually ciliated hind tibia (see key below). Male of *A. namibiensis* differs in ventral setae on mid and hind femora about half as long as diameter of corresponding femur.

Type material. HOLOTYPE ♂ [in glycerol in vial, mounted on pin], **Namibia:** Katima Mulilo Dist., mopane in Salambala, M4, S17°42'55" E24°32'47", 24-26.II.2001, E. Marais & A.H. Kirk-Spriggs, yellow pans [BMSA]. **PARATYPES** 4♂, 4♀ [in alcohol in vial, 1♂, 1♀ dried and mounted on pins], same label [BMSA].

Etymology. The species is named for the country of origin.

Description. Similar to *A. congensis* in all respects, except for the following features. (All specimens are quite discoloured due to long-term storage in alcohol, with major bristles brown to brown-black.). **Male: Head:** antenna (Fig. 10) with postpedicel trapezoidal, with rounded tip, 1.3 times as long (along ventral margin) as high at base, bearing short hairs; arista-like stylus basodorsal; palpus discoloured, but apparently dark, brownish in dried specimen. Length ratio of scape to pedicel to postpedicel to stylus (segments 1 and 2), 12/11/20/8/39.



Figs. 10–12. *Asyndetus namibiensis* sp. nov., 10 – antenna, 11 – hind leg, 12 – hypopygium, lateral aspect.

Thorax: upper part of proepisternum with one seta; lower part of proepisternum with one strong and one weak setae above coxa; 4 pairs of strong dorsocentral bristles of about equal length; no additional seta between 2nd and 3rd dorsocentrals; short acrostichals in biserial row; scutellum with one pair of strong bristles and two small lateral setae.

Legs: discoloured, with coxae and femora distinctly darker than tibiae; femora without strong bristles, with short anteroventrals and posteroventrals at apex; hind femur (Fig. 11) with one strong erect ventral seta at basal third, not longer than height of femur (MSSC); fore tibia with 3-4 apicals; mid tibia with 2 anterodorsals and 1-2 posterodorsals, of which upper anterodorsal bristle somewhat stronger, 3-4 apicals; hind tibia (Fig. 11) with 1-2 posterodorsals, with one dorsal and one ventral rows of elongate semi-erect setae in distal half, of which ventral setae about as long as diameter of tibia (MSSC), with 4 apicals; all tarsi without claws, with enlarged pulvilli (MSSC); femur, tibia and tarsomere (from first to fifth) length ratio: fore leg: 80/76/43/18/13/8/10, mid leg: 90/96/51/23/17/10/9, hind leg: 90/104/34/27/20/13/10.

Wing: similar to that in *A. congensis*; ratio of costal section between R₂₊₃ and R₄₊₅ to that of costal section between R₄₊₅ and M₁₊₂, 26/39; section of M₁₊₂ between dm-cu and bend distinctly shorter than that between bend and wing margin (55/78); ratio of apical portion of CuA₁ to dm-cu, 74/14.

Abdomen: tergum 6 almost glabrous, with at most 2 middorsal setae; segment 7 reduced; segment 8 with four strong bristles and short hairs; the bristles nearly as long as epandrium; hypopygium (Fig. 12) brown, small, partly concealed; phallus long and thin, simple; epandrial lobe subtriangular, pointed at apex, with three setae as figured; ventral lobe of surstyli elongate-triangular (dorso-lateral aspect), pointed at apex, bearing some short setulae and one strong middorsal seta; dorsal lobe narrow, rod-like, bearing weak apical seta; postgonite narrow, curved ventrally, reaching middle of surstyli; cercus small, rounded, bearing short setae.

Female: similar to male except lacking MSSC, otherwise as noted: postpedicel subtriangular with rounded tip, nearly as long as high; mid tibia with both anterodorsals equally strong; hind tibia with few short dorsal setae.

Measurements (mm): Body length 2.2 (dry) – 2.7 (in alcohol), antenna length 0.7, wing length 2.2, wing width 0.9.

Asyndetus madagascarensis sp. nov.

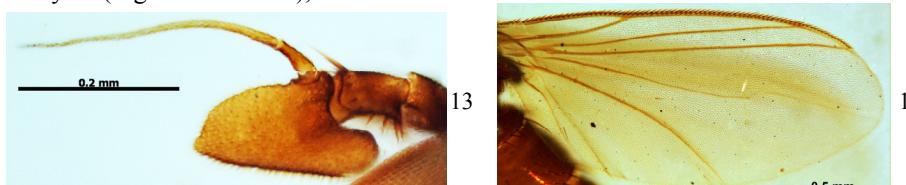
(Figs. 13–15)

Diagnosis. The new species is close to *A. virgatus*, differing in longer postpedicel, nearly 2 times longer than high, and presence of the large suboval epandrial lobe (see key below).

Type material. HOLOTYPE ♂ [in glycerol in vial, mounted on pin], MADAGASCAR: Fia[narantsoa Province], Ranomafana [National Park, 21°00'S 47°30'E], 19.I.1992, A. Pauly, forêt (IRSNB). PARATYPES 14♂, 7♀ [in alcohol in vial, 1♂, 1♀ dried and mounted on pins], same label [IRSNB].

Etymology. The species is named for the country of origin.

Description. Similar to *A. congensis* in all respects, except for the following features. (All specimens are quite discoloured due to long-term storage in alcohol, with major bristles brown to brown-black.). **Male: Head:** antenna (Fig. 13) with postpedicel large, trapezoidal, with rounded tip, 1.8 times as long (along ventral margin) as high at base, bearing short hairs; arista-like stylus basodorsal; palpus discoloured, but apparently dark, brownish in dried specimen. Length ratio of scape to pedicel to postpedicel to stylus (segments 1 and 2), 12/10/22/6/36.



Figs. 13–14. *Asyndetus madagascarensis* sp. nov.: 13 – antenna, 14 – wing.

Thorax: upper part of proepisternum with one seta; lower part of proepisternum with one strong and one weak setae above coxa; 5 pairs of strong dorsocentral bristles; short acrostichals in biserial row; scutellum with one pair of strong bristles and two small lateral setae.

Legs: discoloured, with coxae and femora distinctly darker than tibiae; all femora with double row of long ventral setae along entire length, at least half as long as height of femur, in addition to subapical ventral bristles (MSSC); at apices those setae nearly as long as height of corresponding femur; fore tibia with 3–4 apicals; mid tibia with 2 anterodorsals and 2 posterodorsals, of which upper anterodorsal bristle somewhat stronger, 3–4 apicals; hind tibia with one dorsal row of about 8 short setae, of which one middorsal seta strongest, slightly longer than diameter of tibia (MSSC), with 4 apicals; all tarsi without claws, with enlarged pulvilli (MSSC); femur, tibia and tarsomere (from first to fifth) length ratio: fore leg: 75/71/37/14/10/6/9, mid leg: 84/80/42/17/11/8/8, hind leg: 88/98/27/22/14/9/8.

Wing (Fig. 14): similar to that in *A. congensis*; ratio of costal section between R_{2+3} and R_{4+5} to that of costal section between R_{4+5} and M_{1+2} , 27/37; wing vein $dm-cu$ faint, located before level of R_1 ; section of M_{1+2} between $dm-cu$ and bend distinctly longer than that between bend and wing margin (82/63); ratio of apical portion of CuA_1 to dm

cu, 89/9.

Abdomen: tergum 6 glabrous; segment 7 reduced; segment 8 with four strong bristles and short hairs; hypopygium (Fig. 15) small, partly concealed; phallus long and thin, simple; epandrial lobe suboval, with three long setae as figured; ventral lobe of surstyli elongate-triangular (dorso-lateral aspect), acute at apex, bearing some short setulae and one or two strong middorsal setae; dorsal lobe narrow, rod-like, bearing short apical spine; postgonite narrow, curved ventrally, reaching middle of surstyli; cercus small, rounded, bearing moderately long setae.

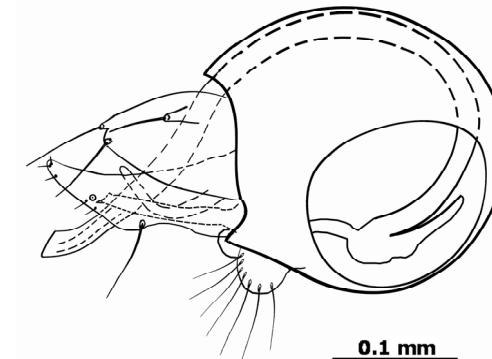


Fig. 15. *Asyndetus madagascarensis* sp. nov. hypopygium, lateral aspect.

Female: similar to male except lacking MSSC, otherwise as noted: postpedicel subtriangular with acute tip, as long as high; mid tibia with both anterodorsals equally strong; hind tibia with 2 anterodorsal and about 5 short dorsal setae.

Measurements (mm): Body length 2.1 (dry) – 2.6 (in alcohol), antenna length 0.65, wing length 2.1, wing width 0.85.

Doubtful species

Asyndetus indifferens Curran, 1926b: 411.

Remarks: A female holotype (South African Museum, Cape Town, not seen) was incompletely described, being compared with a male of *A. crassitarsis* Curran, 1926b, differing from the latter in brown fore tibia, the character being common in females of *A. virgatus* (Curran, 1926a) and *A. decaryi* (Parent, 1929b). I think the *A. indifferens* may be conspecific to either *A. virgatus* or *A. decaryi*.

Distribution: Type locality: South Africa: Zululand, M'fongosi. Afrotropical: South Africa.

Asyndetus inermis Parent, 1937: 7.

Type material examined: ♀ [holo]type: [DR Congo:] Congo-belge, Rives Busira, VI.1936, J. Ghesquière / R. Mus. Hist. Nat. Belg. 10482 / *Asyndetus inermis* n.sp. ♀, O. Parent / O. Parent det. 1936: *Asyndetus inermis* n.sp. / tête disparue du course duretour du déterminateur [RMCA].

Remarks: The holotype examined is strongly damaged. According to the original description, the species is close to the *A. albifrons* female, differing in reduced number of bristles on tibiae (1 antero-, 2 posterodorsals on mid tibia and 2 antero-, 2 posterodorsals on hind tibia in *A. inermis* vs. 2 antero-, 2 posterodorsals on mid tibia and 2 antero-, 4 posterodorsals on hind tibia in *A. albifrons* and all Afrotropical species of the genus)

and in distinctly interrupted wing vein M_{1+2} (weakly interrupted in distal part in *A. albifrons*). Legs black except fore and mid knees.

Distribution: Type locality: Congo-belge, Rives Busira. Afrotropical: DR Congo.

Key to Afrotropical species of *Asyndetus* based on male characters

Remarks: Females usually cannot be identified without males of the same series; *A. inermis* and *A. indifferens*, known only from females, are not included.

1. At least anterior four tarsi with claws, with small pulvilli; M_{1+2} distinctly interrupted with broken sections partly running parallel to each other; wing vein *dm-cu* indistinct; 1.7–2.2 mm *pseudoseparatus* sp. n.
– At least fore tarsus without claws, with enlarged pulvilli; M_{1+2} usually with bend in middle of apical part, more or less weakened at bend; wing vein *dm-cu* usually distinct .. 2
2. Fore basitarsus slender; segments 4–5 of fore tarsus dilated and flattened; 3 mm *crassitarsis* Curran
– Fore tarsus unmodified 3
3. Hind tarsus with claws, with small pulvilli; 2.5 mm *albifacies* Parent
– All tarsi without claws, with enlarged pulvilli 4
4. Hind tibia with ventral row of semi-erect setae, at least as long as diameter of tibia ... 5
– Hind tibia without remarkable ventral row of long setae 7
5. Hind tibia with regular or irregular row of elongate ventral or anteroventral setulae along entire length, not longer than diameter of tibia; epandrial lobe absent; 2.5–3 mm *virgatus* Curran (see below)
– Hind tibia with regular ventral row of semi-erect setae in middle or in distal half, at least as long as diameter of tibia and distinctly longer than other setulae in the same and other rows; epandrial lobe well developed 6
6. Mid and hind femora with double rows of erect ventral setae, about 2 times longer than height of femur; epandrial lobe long and narrow; 2.1 mm *congensis* sp. n.
– Mid femur with ventral setae, at most as long as height of femur; hind femur ventrally almost bare, with one strong erect ventral seta at basal third, not longer than height of femur; epandrial lobe large, triangular; 2.2 mm *namibiensis* sp. n.
7. Mid and hind femora with double row of ventral setae along entire length, about half as long as diameter of femur, in addition to subapical ventral bristles; postgonite long and narrow 8
– Mid and hind femora with only subapical ventral bristles; postgonite usually short, concealed 10
8. M_{1+2} distinctly interrupted, with broken sections usually partly running parallel to each other; epandrial lobe pointed in distal half, long and narrow, bearing one strong apical seta *savannensis* sp. n.
– M_{1+2} with bend in middle of apical part, more or less weakened at bend; epandrial lobe either absent or bearing two apical setae 9
9. Postpedicel 1.5–2 times longer than high; wing vein *dm-cu* faint; epandrial lobe large, suboval, with three long setae; surstyli with dorsal lobe much narrower than ventral lobe; 2.1 mm *madagascarensis* sp. n.
– Postpedicel at most slightly longer than high; wing vein *dm-cu* strong; epandrial lobe absent; surstyli with dorsal lobe wide, nearly as wide as ventral lobe at apex; 2.5–3 mm *virgatus* Curran

10. Halter brown; M_{1+2} distinctly interrupted; hind tibia with 1 antero- and 1 posterodorsal bristles at base and one row of dorsal setae in distal half *amaphinius* Séguy
– Halter clear yellow; M_{1+2} usually with bend in middle of apical part, more or less weakened at bend; hind tibia differently setose 11
11. Section of M_{1+2} between posterior cross-vein (*dm-cu*) and bend about as long as that between bend and wing margin; epandrial lobe short and wide, distinctly shorter than surstylus, bearing two apical setae; 2–3 mm *latifrons* (Loew)
– Section of M_{1+2} between posterior cross-vein (*dm-cu*) and bend distinctly longer than that between bend and wing margin 12
12. Frons silvery-white pollinose; fore femur with double ventral row of long setae; 2.5 mm *albifrons* Parent
– Frons grey pollinose; fore femur with short setae; epandrial lobe long and slender, rod-like, bearing two apical setae; 2 mm *decaryi* Parent

Appendix. Notes on some Palaearctic and Oriental species

General remarks: As noted above, the presence or absence of acrostichal setae is the only appropriate character for distinguishing *Asyndetus* from *Cryptophleps* (Capellari & Grichanov, 2012). Therefore, at least three Palaearctic species described in the *Asyndetus* (*A. izius* Negrobov, 1973, *A. minutus* Negrobov et Shamshev, 1986 and *A. vividus* Negrobov et Shamshev, 1986) may be recombined with *Cryptophleps*. Nevertheless, my investigation of the hypopygial morphology of species of the two genera (see figures in this and cited papers) assumes that the genera will be synonymised in future.

Asyndetus albipalpus Loew, 1871: 295; Negrobov, 1973: 158.

Type material examined (here designated): Lectotype: ♂, [Uzbekistan: upper stream of Syr Darya River:] “Сыръ Даръя” [ZIN]. Paralectotypes: 2♂, same locality [ZIN].

Remarks: Describing new species from the A.P. Fedtshenko's Turkistan expedition (1868–1871), H. Loew everywhere mentioned “Sarawschan Thal” (Zeravshan River Valley) as the type locality of his newly described species. Nevertheless, A.P. Fedtshenko collected the material from a much larger territory of the former Khanate of Kokand, from Kattaqurghon and Samarcand cities in the West to Fergana Valley and Alai Mountains in the East (e.g., Negrobov, 1981) within the present countries Kyrgyzstan, Tajikistan and Uzbekistan. Some collection sites were also located in the present Kazakhstan. Most part of the identified material was returned to ZMU at the end of XIX century, while some voucher specimens (including Loew's syntypes) were retained in the Natural History Museum, Berlin, Germany (MFN; Negrobov, 1981). A part of the ZMU material collected by Fedtshenko was probably borrowed or taken in exchange by A.A. Stackelberg (ZIN) before the WWII and was recently found in ZIN collection. It contains apparently mixture of identified and unidentified specimens under original labels, comprising locality number (separately) and brief description of a locality (in Cyrillic letters). Six specimens bear old hand-written museum labels with species names (including two specimens of Loew's species with abbreviation “n. sp.”; one of the names is unpublished), followed by a more or less long row of unlabeled specimens. Some specimens bear hand-written (by Stackelberg) identification labels including types (with abbreviation “n. sp.”) of at least two species, i.e. the holotype of *Syntormon turanicus* Stackelberg, 1927 and two syntypes of *Teuchophorus rohdendorfi* Stackelberg, 1927, in addition to possible syntypes (with only locality labels) of *Fedtshenkomyia chrysotymoides* Stackelberg, 1927 and *Rhaphium turanicola* (Stackelberg, 1927).

Regarding *Asyndetus*, the ZIN old material examined comprises a series of specimens followed by a male (with broken abdomen) bearing an old hand-written museum label “*albipalpus* Lw.” and Stackelberg’s hand-written label “*Asyndetus albipalpis* Lw.”. The series contains three *Asyndetus* species, of which three males (with a locality label “Syr Darya” in Russian) fully correspond to the original Loew’s description of *A. albipalpus* (Loew, 1871) and generally correspond to a brief description of *A. albipalpus* by Negrobov (1973), which was based on Mongolian material and may belong to a different species. The other specimens belong to *A. longicornis* Negrobov, 1973 and *A. mixtus* Negrobov et Shamshev, 1986 (see below). Therefore, lectotype and paralectotypes are here designated to fix the current taxonomic concept of *A. albipalpus* and ensure consistent future interpretation.

Distribution: Type locality: Uzbekistan: upper stream of Syr Darya River (originally published as “Turkestan, Sarawschan Thal”). Palaearctic: ?Mongolia, Tajikistan, Uzbekistan.

Asyndetus barbiventris Stackelberg, 1952: 402; Negrobov, 1973: 159.

Material examined: 1♂, Tajikistan: Khatlon Prov., Farkhor distr., Novobod, 37.551°N, 69.460°E, 475 m asl, 6.VI.2010, water, pastures, K. Tomkovich [ZMU]; 1♂, [Kazakhstan or Uzbekistan]: Bairakum / 4 [pink label; ex coll. A.P. Fedtshenko 1871; ZIN];

Distribution: Type locality: Tajikistan: Tigrovaya balka, river Pyandzh, Kirovabad. Palaearctic: ?Kazakhstan, Tajikistan, ?Uzbekistan. First record after description.

Asyndetus chaetifemoratus Parent, 1925: 162.

Material examined: 3♂, 1♀, Israel: Mt. Hermon, 1600 m, 5.IX.1981, A. Freidberg [TAU].

Distribution: Type locality: Egypt: Baharia Oasis. Palaearctic: Egypt, Israel. New for Israel. First record after description.

Asyndetus longicornis Negrobov, 1973: 160.

Material examined: 1♂, 1♀, [Uzbekistan: upper stream of Syr Darya River:] “Сырь Дарья” [ZIN]; 2♂, 1♀, [Kazakhstan: Kosaral:] “Косараң” /24 [ZIN]; 1♂, [Tajikistan or Uzbekistan: Zeravshan Valley:] “Заравш. д.” /1 [ZIN]; 1♂, Russia: Astrakhan Region, Ikryanoe district, Zyuzino, 45.751°N, 47.678°E, 8–9.V.2010, water, pastures, K. Tomkovich [ZMU].

Additional material examined: 1♀, [Tajikistan or Uzbekistan: Zeravshan Valley:] “Заравш. д.” /6 [ZIN]; 2♀, [Uzbekistan: Keles:] “Келесь” /22 [ZIN]; 2♀, [Uzbekistan: Karak:] “Каракъ” /7 [ZIN]; 1♀, [Kazakhstan:] Taldyqorghan Region, Katutau Mts., Kuibynskoe Gorge, 25 km NWN Koktal, 30.VI.1988, Tanasiichuk [ZIN]; 1♀, [Turkmenistan:] 30 km E Nebit-Dag, S slope of Bolshoi Balkhan Ridge, 9.V.1984, Tanasiichuk [ZIN].

Remarks: *A. longicornis* males examined show some extent of variation in shape of antennal postpedicel (with ovate to subtriangular apex) and setation of phallus (aedeagus); the characters were considered diagnostic by Pârvu (1989) when he described his new species *A. negrobovi* from Romania. E.g., two males collected in Kosaral differ from each other in subapical setation of phallus (in addition to shape of postpedicel): weaker (as shown by Negrobov, 1973: Fig. 24) or stronger dorsal setation with two basal dents long and narrow (as shown by Pârvu, 1989: Fig. 5). Therefore, *A. longicornis* can repre-

sent a complex of widely distributed sibling species (including *A. negrobovi*) or different phenotypes of the same species.

Distribution: Type locality: “Mongolei, Südgobi aimak, 40 km SSO von Nomagon, Salzbodenwiese, in der Nähe von der Wasserquelle”. Palaearctic: China (Inner Mongolia), Hungary, Kazakhstan, Mongolia, ?Romania, Russia (Astrakhan), Tajikistan, Turkmenistan, Uzbekistan. New for Kazakhstan, Russia, Tajikistan, Turkmenistan and Uzbekistan.

Asyndetus mixtus Negrobov et Shamshev, 1986: 48.

Material examined: 1♂ (with broken abdomen), [Tajikistan or Uzbekistan: Zeravshan Valley:] “Заравш. д.” /4. / “*albipalpus* Lw.” [old hand-written museum label] / “*Asyndetus albipalpis* Lw., Stackelberg det.” (ZIN); 1♂, [Tajikistan or Uzbekistan: Zeravshan Valley:] “Заравш. д.” /28 (ZIN); 1♂, [Tajikistan: Vorukh:] “Борукъ / 20” (ZIN).

Remarks: Negrobov & Shamshev (1986) referred the type locality of the species in error to Turkmenistan instead of Uzbekistan.

Distribution: Type locality: [Uzbekistan]: Samarkand, Kattakurgan district, Kumak. Palaearctic: Tajikistan, Uzbekistan. New for Tajikistan.

Asyndetus separatus (Becker), 1902: 56 (*Meringopherusa*); Becker, 1918: 78 (*Asyndetus*); Negrobov, 1973: 161.

Asyndetus lateinterruptus Strobl, in Czerny, Strobl, 1909: 190 (as *late-interruptus*). Type locality: Italy and Austria: “Monfalcone bei Triest; Admont” (synonymised by Becker, 1918: 78)

Material examined: 1♂, [Egypt:] Fayūm, III, 44741 / *Meringopherusa separata* Beck., det. Becker [ZIN]; 1♀, [Egypt:] Kairo, XI, 44277 [ZIN]; 3♂: Cyprus, Famagusta, 9–12.VII.1939 (Håkan Lindb.) [ZMH]; 3♀, Israel: Ein Hajla, 11.V.1977, A. Freidberg [TAU].

Remarks: A male from Fayūm (Egypt) examined may belong to the type series of *A. separatus*. It corresponds to the description and figure provided by Becker (1902). The male genitalia preparation was made by the author of this paper, showing its strong similarity with the *A. pseudoseparatus* described in this paper (see Fig. 1), but differing from the figure provided by Negrobov (1973) in shape of epandrial lobe and in simple phallus (without setation). In addition, a male from Fayūm has two pedunculate apical setae on the left epandrial lobe and three apical setae (of which one seta is pedunculate) on the right epandrial lobe. Negrobov (1973) studied the material collected from Tajikistan, and his pictures may belong to another species.

Distribution: Type locality: Egypt: Alexandrien, Fayūm. Palaearctic: Algeria, Cyprus, Egypt, Greece, Iraq, Israel, Libya, Spain, Tunisia, ?Tajikistan. New for Israel.

Asyndetus thaicus Grootaert et Meuffels, 2002: 42; Wang et al., 2007: 151.

Material examined: 2♂, India: Gujarat, Naliya, env. Kothara, riv. Nayera, 23.137°N, 68.931°E, 5.X.2012, K. Tomkovich [ZMU]; 1♂, 2♀, India: Goa, Palolem, ~15.018°N, 74.018°E, 3–9.II.2009, K. Tomkovich [ZMU].

Remarks: This is the second *Asyndetus* species found in India, which is still undercollected. The wide areas of *A. latifrons* and *A. thaicus* distribution assume the presence of more Oriental, Palaearctic and Afrotropical species of the genus in this country.

Distribution: Type locality: Thailand: Rayong Province, Ko Samed, Tarn Tawan. Oriental: China (Yunnan), India (Goa, Gujarat), Thailand. New for India.

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**CHECK-LIST OF PREDATORY FLIES OF THE FAMILY DOLICHOPODIDAE
(DIPTERA) IN THE FAUNA OF RUSSIA**

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О.П.Негров, О.В.Селиванова, О.О.Маслова, М.А.Чурсина. Справочный список хищных мух-зеленушек семейства Dolichopodidae (Diptera) фауны России

Приведен обзор изученности фауны семейства Dolichopodidae (Diptera) России. Первые сведения по Dolichopodidae России с описанием ряда новых видов включены в работы зарубежных и российских авторов XIX-XX веков (Dwigubsky, 1802; Fischer von Waldheim, 1819; Gimmerthal, 1847; Eversmann, 1834; Остен-Сакен, 1858; Motschulsky, 1859; Loew, 1848, 1871; Kowarz, 1877; Порчинский, 1874; А. Федченко, 1868; Б. Федченко, 1891, 1892; Becker, 1900, 1915, 1923; Lundström, Frey 1913; Frey, 1915, 1918; Wnukowsky, 1932, 1936; Parent, 1925, 1927, 1930). А.А. Штакельбергом (1919–1971) было впервые для России указано 68 видов долихоподид, а также описано много новых видов с юга Дальнего Востока, из Сибири и других регионов нашей страны. Е.С. Смирновым (1948а, 1948б) было описано 18 видов рода *Dolichopus* из Приморья и 2 вида рода *Hercostomus* (Смирнов, Негров, 1977, 1979). К началу 1960-х гг. наиболее полно была исследована территория Ленинградской области, для которой было отмечено 205 видов Dolichopodidae (Штакельберг, 1962). О.П. Негров с соавторами (1963–2012) описал из различных регионов России более 200 новых для науки видов. И.Я. Гричановым (1979–2012) получены новые фаунистические данные и описан ряд новых видов, в том числе из европейской части России, Сибири и Дальнего Востока. Работы Б.И. Вольфова и С.Ю. Кустова (2006–2010) посвящены фауне северо-западной части Кавказа. В настоящей работе впервые публикуется список хищных мух-зеленушек Dolichopodidae фауны России, включающий 52 рода, 735 видов и подвидов.

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KEY WORDS: Diptera, Dolichopodidae, Russia, check-list.

Introduction

The first data on Dolichopodidae of Russia with descriptions of some new species were published by European and Russian authors (Dwigubsky, 1802; Fischer von Waldheim, 1819; Gimmerthal, 1847; Eversmann, 1834; Остен-Сакен, 1858; Motschulsky, 1859; Loew, 1848–1873; Kowarz, 1873, 1877, 1889; Porchinski, 1874; А. Fedtchenko 1868; B. Fedtchenko, 1891, 1892; Becker, 1900, 1915, 1923; Lundström, Frey, 1913; Frey, 1915, 1918, 1933; Wnukowsky, 1932, 1936; Parent, 1925, 1927, 1930). A.A. Stackelberg (1919–1971) recorded 68 species of Dolichopodidae from Russia for the first time and described many new species from the South of the Far East, from Siberia and some other regions of the country. In 1960s the Leningrad Region was the most studied territory in Russia with 205 known species of Dolichopodidae (Stackelberg, 1962). E.S. Smirnov (1948a, 1948b) described 18 species of the genus *Dolichopus* from Primorye and two species of the genus *Hercostomus* (Smirnov, Negrobov, 1977, 1979). More than 200 species new to science were described from various territories of Russia by O.P. Negrobov and coauthors (1963–2012). New faunistic data were obtained and a number of new species were described by I.Ya. Grichanov (1979–2012) from the European part of Russia, Siberia and the Far East. Works of B.I. Volfov and S.Yu. Kustov (2006–2010) were devoted to the fauna of northwestern part the Caucasus.

There were also a number of publications on larvae of the genus *Medetera* being predaceous on bark beetles, on ecology and ethology of Dolichopodidae. So far 52 genera, 735 species and subspecies are known on the territory of Russia. The number of species and subspecies in genera are as follows: *Achalcus* – 5, *Acropsilus* – 1, *Anepsiomyia* – 1, *Aphrosylus* – 1, *Argyra* – 25, *Asyndetus* – 4, *Campsicnemus* – 27, *Chrysotimus* – 6, *Chrysotus* – 37, *Diaphorus* – 16, *Diostracus* – 5, *Dolichophorus* – 1, *Dolichopus* – 179, *Epi-thalassius* – 1, *Guzeriplia* – 2, *Hercostomus* – 54, *Hydrophorus* – 32, *Hypophyllus* – 3, *Lamprochromus* – 4, *Liancalus* – 1, *Ludovicus* – 1, *Machaerium* – 1, *Medetera* – 100, *Melanostolus* – 3, *Mesorrhaga* – 2, *Micromorphus* – 5, *Nematoproctus* – 4, *Neurigona* – 22, *Nepalomyia* – 1, *Orthoceratium* – 1, *Paracilius* – 1, *Peloropeodes* – 1, *Peodes* – 3, *Poecilobothrus* – 7, *Pseudoxanthochlorus* – 1, *Rhaphium* – 62, *Scellus* – 5, *Sciapus* – 19, *Setihercostomus* – 1, *Sphyrotarsus* – 1, *Suschnania* – 1, *Sybistroma* – 8, *Sympycnus* – 8, *Syntormon* – 22, *Systemus* – 4, *Tachytrechus* – 9, *Telmaturgus* – 1, *Teuchophorus* – 6, *Thinophilus* – 5, *Thrypticus* – 20, *Vetimicrotes* – 1, *Xanthochlorus* – 5.

Check-list

***Achalcus* Loew, 1857.**

Achalcus cinereus (Walker, 1851) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), *Achalcus flavicollis* (Meigen, 1824) – Leningrad reg. (Stackelberg, 1925, 1962), *Achalcus melanotrichus* Mik, 1878 – Pskov reg. (Grichanov, 1998), *Achalcus polleti* Negrobov et Selivanova, 2010 – Amur reg. (Negrobov, Selivanova, 2010), *Achalcus thalhammeri* Lichtwardt, 1913 – Pskov reg. (Przhiboro, Grichanov, 2003).

***Acropsilus* Mik, 1878.**

Acropsilus niger (Loew, 1869) – Russia (Parent, 1938).

***Anepsiomyia* Beazzi, 1902.**

Anepsiomyia flaviventris (Meigen, 1824) – Russia (Parent, 1938).

***Aphrosylus* Walker, 1851.**

Aphrosylus ferox Haliday, 1851 – Russia (Parent, 1938).

***Argyra* Macquart, 1834.**

Argyra argentina Meigen, 1824 – Leningrad reg. (Stackelberg, 1925), North Caucasus (Negrobov, 1967 c, Negrobov, Duhanina, 1984, Grichanov, Volfov, Kustov, 2006), *Argyra argyria* (Meigen, 1824) – North Caucasus (Negrobov, 1967 c), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Vologda reg. (Grichanov, 2006 b), *Argyra atriceps* Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Argyra auricolis* (Meigen, 1824) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), *Argyra diaphana* (Fabricius, 1775) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1922, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984), North Caucasus (Grichanov, Volfov, Kustov, 2006), Kursk reg. (Grichanov, 2007a), Ryazan reg. (Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Argyra elongata* (Zetterstedt, 1843) – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1967 a), Vologda reg. (Grichanov, 2006 b), *Argyra flava* Negrobov, 1973 – Primorye (Negrobov, 1973 c), *Argyra grata* Loew, 1857 – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), *Argyra ilonae* Gosseries, 1989 (synonym – *Argyra confinis* (Zetterstedt, 1849) – Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c,

Grichanov, Volfov, Kustov, 2007, Grichanov, 2012 c), Adygea (Grichanov, Volfov, Kustov, 2009), *Argyra leucocephala* (Meigen, 1824) – Volga River basin (Eversmann, 1834), Leningrad reg. (Stackelberg, 1922, 1925, 1962), Voronezh reg. (Negrobov, 1963, Negrobov, 1967 a), North Caucasus (Negrobov, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Krasnodar Territory (Grichanov, 2012c), *Argyra magnicornis* (Zetterstedt, 1838) – Murmansk reg. (Frey, Lundsrom, 1913), Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, Negrobov, 1967 a), Krasnodar Territory (Negrobov, Duhanina, 1984), *Argyra negrobobi* Grichanov & Shamshev, 1993 – Khabarovsk Territory (Grichanov, Shamshev, 1993, Grichanov, 2006 a), *Argyra oreada* Negrobov, 1973 – North Caucasus (Negrobov, 1973 c, Grichanov, 2012 c), Adygea (Grichanov, Volfov, Kustov, 2009), *Argyra pulata* Negrobov et Maslova, 2003 – Ural (Negrobov, Maslova, 2003), *Argyra setimana* Loew, 1859 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Murmansk reg. (Grichanov, 2004), *Argyra setulipes* Becker, 1918 – Orenburg reg. (Becker, 1918, Negrobov, Selivanova, 2005), *Argyra shamshevi* Selivanova et Negrobov 2007 – Primorye (Selivanova, Negrobov, 2007), *Argyra skuffini* Negrobov, 1965 – North Caucasus (Negrobov, 1965 b, Negrobov, 1967 c), *Argyra spoliata* Kowarz, 1878 – Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Lipetsk reg., Krasnodar Territory, Sayan Mountains, Buryatia, Irkutsk reg., Krasnoyarsk Territory, Primorye, Amur reg. (Selivanova, Negrobov, Maslova, 2012), *Argyra subarctica* Ringdahl, 1920 – Baikal (Negrobov, 1976 b), North Caucasus (Grichanov, 1998), Adygea (Grichanov, Kustov, Volfov, 2006), Altai (Negrobov, Barkalov, 2009), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Argyra submontana* Negrobov et Selivanova, 2005 – Krasnodar Territory (Negrobov, Selivanova, 2005, Grichanov, 2012 c), *Argyra superba* Takagi, 1960 – Kuril Islands (Negrobov, 1976 b), *Argyra ussuriana* Negrobov, 1973 – Primorye (Negrobov, 1973 c), *Argyra venevitinovensis* Selivanova et Negrobov 2007 – Voronezh reg. (Selivanova, Negrobov, 2007 a), *Argyra vestita* (Weidemann, 1817) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Vologda reg. (Grichanov, 2006 b), Krasnodar Territory (Grichanov, 2012 c).

Asyndetus Loew, 1869.

Asyndetus diaphoriformis Negrobov et Shamshev, 1986 – Primorye (Negrobov, Shamshev, 1986a), *Asyndetus latifrons* (Loew, 1857) – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, Negrobov, 1968 b, Negrobov, 1972), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Adygea (Grichanov, Volfov, Kustov, 2009), *Asyndetus minutus* Negrobov et Shamshev, 1986 – Khabarovsk Territory (Negrobov, Shamshev, 1986 a, Grichanov, 2006 a), *Asyndetus vividus* Negrobov et Shamshev, 1986 – Primorye (Negrobov, Shamshev, 1986 a).

Campsicnemus Haliday, 1851.

Campsicnemus argyroterus Negrobov et Shamshev, 1985 – Yakutia (Negrobov, Shamshev, 1985), Khabarovsk Territory (Grichanov, 2006 a), *Campsicnemus armatus* (Zetterstedt, 1849) – Murmansk reg. (Frey, 1915), Karelia (Becker, 1918), Arkhangelsk reg., Murmansk reg., Yamal-Nenets autonomous region, Yakutia, Kamchatka (Ne-

grobov, Zlobin, 1978), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Campsicnemus articulatellus* (Zetterstedt, 1843) – Pskov reg. (Przhiboro, Grichanov, 2003), *Campsicnemus bagachanovae* Grichanov et Volfov, 2009 – Yakutia (Grichanov, Volfov, 2009), *Campsicnemus compeditus* Loew, 1857 – Siberia (Frey, 1915), Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Buryatia, Yakutia, Kamchatka (Negrobov, Zlobin, 1978), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Campsicnemus curvipes* (Fallén, 1823) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1967a), North Caucasus (Negrobov, 1965 a, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, 2006 a, 2012 c), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Kursk reg. (Grichanov, 2007a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Kaluga reg. (Grichanov, 2010b), Perm reg. (Grichanov, 2012), *Campsicnemus dasycnemus* Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Campsicnemus femoratus* Ringdahl, 1949 – Krasnoyarsk Territory (Negrobov, Zlobin, 1978, Pogonin, Negrobov, 2008), *Campsicnemus filipes* Loew, 1859 – Voronezh reg. (Negrobov, 1965 b, 1965 c, 1966 a), North Caucasus (Grichanov, Volfov, Kustov, 2006), *Campsicnemus konstantini* Grichanov, 2011 – Astrakhan reg. (Grichanov, 2011), *Campsicnemus lineatus* Negrobov et Zlobin, 1978 - Primorye (Negrobov, Zlobin, 1978), *Campsicnemus loripes* (Haliday, 1862) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), *Campsicnemus lumbatus* Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1966 a, 1967 a), North Caucasus (Negrobov, 1967d, Grichanov, Volfov, Kustov, 2006), Orenburg reg. (Negrobov, Zlobin, 1978), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Moscow reg., Voronezh reg. (Grichanov, 2012), *Campsicnemus magius* (Loew, 1845) – North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Yakutia (Negrobov, Chalaya, 1991), Astrakhan reg. (Grichanov, 2011), *Campsicnemus marginatus* Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1965c), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Campsicnemus paradoxus* (Wahlberg, 1844) – Yakutia (Negrobov, Zlobin, 1978, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Campsicnemus picticornis* (Zetterstedt, 1843) – Leningrad reg. (Stackelberg, 1925, 1962), Kamchatka (Parent, 1930), Russia (Parent, 1938), Yakutia, Buryatia, Sayan Mountains, Primorye (Negrobov, Zlobin, 1978), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Jewish AR, Khabarovsk Territory (Grichanov, 2006 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Novosibirsk reg. (Grichanov, 2012), *Campsicnemus pumilio* (Zetterstedt, 1843) (synonym – *Campsicnemus pectinulatus* Loew, 1864) – Moscow reg. (Fedtchenko A., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c), Yakutia, Krasnodar Territory (Negrobov, Zlobin, 1978), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Novgorod reg. (Grichanov, 2012), *Campsicnemus pusillus* (Meigen, 1824) – Moscow reg. (Fedtchenko A., 1868, Fed-

tchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Irkutsk reg., Primorye (Negrobov, Zlobin, 1978), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Vologda reg. (Grichanov, 2006 b), North Caucasus (Grichanov, Volfov, Kustov, 2007), Kabardino-Balkaria (Grichanov, Volfov, 2009), Ivanov reg. (Grichanov, 2012), *Campsicnemus scambus* (Fallén, 1823) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915, Negrobov, 1974), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1966 a, 1967 a), North Caucasus (Negrobov, 1967 c), Altai, Khabarovsk Territory (Negrobov, Zlobin, 1978), Primorye (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984), Yakutia (Negrobov, Chalaya, 1991), Vologda reg. (Grichanov, 2006 b), Khabarovsk Territory (Grichanov, 2006a), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Novgorod reg. (Grichanov, 2012), *Campsicnemus simplicissimus* Strobl, 1906 – Russia (Negrobov, 1977 b), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), *Campsicnemus umbripennis* Loew, 1856 – Leningrad reg. (Stackelberg, 1925), Russia (Parent, 1938), Krasnodar Territory (Negrobov, Duhanina, 1984), North Caucasus (Grichanov, Volfov, Kustov, 2006, Grichanov, Volfov, Kustov, 2007), North Caucasus, Adygea (Grichanov, Tomkovich, 2009), Krasnodar Territory (Grichanov, 2012 c), *Campsicnemis unipunctatus* Negrobov et Zlobin 1978 – Primorye (Negrobov, Zlobin, 1978, Grichanov, 2012), *Campsicnemus varipes* Loew, 1859 – Krasnodar Territory (Negrobov, 1965 b, Negrobov, Duhanina, 1984), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Yakutia (Grichanov, Volfov, 2009), *Campsicnemis versicoloris* Negrobov et Zlobin, 1978 – Primorye (Negrobov, Zlobin, 1978), *Campsicnemis vtorovi* Negrobov et Zlobin 1978 – Kirgistan (Negrobov et Zlobin 1978), Voronezh reg. (Grichanov, 2012), *Campsicnemus zlobini* Grichanov 2012 – Primorye (Grichanov, 2012a).

***Chrysotimus* Loew, 1857.**

Chrysotimus concinnus (Zetterstedt, 1845) – Russia (Parent, 1938), *Chrysotimus flavisetus* Negrobov 1978 – Primorye (Negrobov, 1978b), *Chrysotimus molliculus* (Fallén, 1823) – Moscow reg. (Fedtchenko A., 1868), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Adygea (Grichanov, 2012c), *Chrysotimus spinuliferus* Negrobov 1978 – Primorye, Yakutia (Negrobov, 1978 b).

***Chrysotus* Meigen, 1824.**

Chrysotus amurensis Negrobov, 1980 – Amur reg. (Negrobov, 1980 b, Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus andrei* Negrobov, 1986 – Amur reg. (Negrobov, 1986 a), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Chrysotus angulicornis* Kowarz, 1874 – Krasnodar Territory, Karachai-Cherkess Republic, Dagestan (Maslova, Negrobov, Selivanova, 2007), *Chrysotus arcticus* Frey, 1915 – Murmansk reg. (Frey, 1915, Grichanov, 2004), *Chrysotus baicalensis* Negrobov et Maslova 1995 – Irkutsk reg. (Negrobov, Maslova, 1995 b), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Chrysotus caerulescens* Negrobov 1980 – Ural, the Lower Lena, Sayan Mountains Altai, Krasnoyarsk Territory (Negrobov, 1980 b), Altai (Negrobov, Barkalov, 2009), Khanty-Mansi autonomous region (Grichanov, 2010 a), Yamal-Nenets autonomous re-

gion, Altai, Krasnoyarsk Territory, Buryatia, Amur reg. (Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus cilipes* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Kustov, Volfov, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnodar Territory (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Kaluga reg. (Grichanov, 2010b), Karelia, Leningrad reg., Krasnodar Territory, Altai, Krasnoyarsk Territory, Irkutsk reg., Buryatia, Baikal reg., Yakutia, Amur reg., Khabarovsk Territory, Primorye (Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus collini* Parent 1923 – North Caucasus (Grichanov, Volfov, Kustov, 2006), *Chrysotus corniger* Negrobov et Maslova 1995 – Primorye (Negrobov, Maslova, 1995 b), *Chrysotus cupreus* Macquart, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), North Caucasus (Negrobov, 1967 d), Voronezh reg. (Negrobov, 1972), Krasnodar Territory (Maslova, Negrobov, Selivanova, 2007), *Chrysotus decipiens* Negrobov et Zurikov 2000 – Ural (Negrobov, Tsurikov, Maslova, 2000), *Chrysotus defensus* Negrobov et Maslova 2000 – Krasnodar Territory, North Caucasus (Negrobov, Tsurikov, Maslova, 2000, Maslova, Negrobov, Selivanova, 2007), *Chrysotus degener* Frey, 1917 – Jewish autonomous region (Grichanov, 2006 a), *Chrysotus femoratus* Zetterstedt 1843 – Murmansk reg. (Frey, Lundsrom, 1913), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Maslova, Negrobov, Selivanova, 2008), Yakutia (Negrobov, Chalaya, 1991), Adygea (Grichanov, Kustov, Volfov, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnodar Territory (Maslova, Negrobov, Selivanova, 2007), Ryazan reg. (Negrobov, Pogonin, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Chrysotus gramineus* (Fallen, 1823) (synonym *Chrysotus microcerus* Kowarz, 1874, *Chrysotus varians* Kowarz, 1874) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Murmansk reg. (Frey, Lundsrom, 1913, Frey, 1915, Negrobov, 1974), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c, 1968 b, Grichanov, Volfov, Kustov, 2006, 2007), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Negrobov, Chalaya, 1991), Krasnoyarsk Territory (Pogonin, Negrobov, 2008, Grichanov, Kustov, Volfov, 2006), Vologda reg. (Grichanov, 2006 b), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnodar Territory (Maslova, Negrobov, Selivanova, 2007, Grichanov, 2012 c), Karelia, Arkhangelsk reg., Leningrad reg., Novgorod reg., Pskov reg., Yaroslavl reg., Moscow reg., Ryazan reg., Kursk reg., Lipetsk reg., Voronezh reg., Krasnodar Territory, Adygea, Karachai-Cherkess Republic, Bashkortostan, Orenburg reg., Chelyabinsk reg., Tomsk reg., Altai, Krasnoyarsk Territory, Irkutsk reg., Buryatia, Chita reg., Yakutia, Amur reg., Khabarovsk Territory, Yakutia (Maslova, Negrobov, Selivanova, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Chrysotus fuscoluteus* Negrobov et Zurikov 1986 – Yakutia (Negrobov, Tsurikov, 1986 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Chrysotus glebi* Negrobov et Maslova 1995 – Primorye (Negrobov, Maslova, 1995 b), *Chrysotus laesus* (Wiedemann, 1817) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Irkutsk reg. (Frey, 1915, Maslova, Negrobov, Selivanova, 2010), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Krasnodar Territory (Negrobov, Golubcova, 1983, Maslova, Negrobov, Selivanova, 2007), Ryazan

reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Amur reg. (Negrobov, 1986 a, 1986 b), Adygea (Grichanov, Kustov, Volfov, 2006), North Caucasus (Volfov, Kustov, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Karelia, Pskov reg., Yaroslavl reg., Moscow reg., Kursk reg., Lipetsk reg., Voronezh reg., Krasnodar Territory, Tatarstan, Bashkiria, Orenburg reg., Omsk reg., Tomsk reg., Altai, Krasnoyarsk Territory, Irkutsk reg., Buryatia, Yakutia, Amur reg. (Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus ljtengensis* Negrobov et Zurikov 1986 – Yakutia (Negrobov, Tsurikov, 1986 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Chrysotus logvinovskii* Negrobov et Zurikov 2000 – Yakutia (Negrobov, Tsurikov, 2000, Negrobov, Tsurikov, Maslova, 2000), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Chrysotus neglectus* (Wiedemann, 1817) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Volga River basin (Eversmann, 1834), Murmansk reg. (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Kamchatka (Parent, 1930), Voronezh reg. (Negrobov, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Ryazan reg. (Negrobov, Pogonin, 1984), Amur reg. (Negrobov, 1986 b), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Adygea (Grichanov, Kustov, Volfov, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnodar Territory (Maslova, Negrobov, Selivanova, 2007), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Dagestan (Grichanov, 2012 c), *Chrysotus nudisetus* Negrobov et Maslova 1995 – Yakutia (Negrobov, Maslova, 1995 b, Grichanov, Bagachanova, 2006), *Chrysotus obscuripes* Zetterstedt 1838 (synonym – *Chrysotus kowarzi* Lundbeck, 1912) – Leningrad reg. (Stackelberg, 1962), Yakutia (Grichanov, Bagachanova, 2006), *Chrysotus orientalis* Negrobov et Zurikov 2000 – Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), *Chrysotus parilis* Parent 1926 – Baikal, Primorye (Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus peculiariter* Negrobov et Maslova 2000 – North Caucasus (Negrobov, Tsurikov, Maslova, 2000, Grichanov, Volfov, Kustov, 2007), *Chrysotus pennatus* Lichtwardt 1902 – Krasnodar Territory (Negrobov, 1965 b, Maslova, Negrobov, Selivanova, 2007, Grichanov, 2012 c), Voronezh reg. (Negrobov, 1967 a), Adygea (Grichanov, Kustov, Volfov, 2006), Adygea, Krasnodar Territory, Adygea, North Caucasus (Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus pilitibia* Negrobov et Maslova 1995 – Ural (Negrobov, Maslova, 1995 b), *Chrysotus pseudocilipes* Hollis 1964 – Amur reg., Primorye (Maslova, Negrobov, Selivanova, 2011 b), *Chrysotus pulchellus* Kowarz 1874 – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1967 a), North Caucasus (Negrobov, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Yakutia (Negrobov, Chalaya, 1991), Adygea (Grichanov, Kustov, Volfov, 2006), Krasnodar Territory (Maslova, Negrobov, Selivanova, 2007), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Chrysotus sibiricus* Negrobov et Maslova 1995 – Far East (Negrobov, Maslova, 1995 b), *Chrysotus smithi* Negrobov 1980 – Baikal (Negrobov, 1980 b), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Chrysotus suavis* Loew 1857 – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Krasnodar Ter-

ritory (Negrobov, Duhanina, 1984, Grichanov, 2012 c), Ryazan reg. (Negrobov, Pogonin, 1984), Yakutia (Negrobov, Chalaya, 1991), Adygea (Grichanov, Kustov, Volfov, 2006, Maslova, Negrobov, Selivanova, 2007), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Ryazan reg. (Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Leningrad reg., Kursk reg., Lipetsk reg., Voronezh reg., Rostov reg., Adygea, Altai, Krasnoyarsk Territory, Irkutsk reg., Buryatia, Yakutia, Amur reg., Magadan reg., Khabarovsk Territory, Kamchatka, Yakutia обл. (Maslova, Negrobov, Selivanova, 2011 b), Astrakhan reg. (Grichanov, 2011), *Chrysotus viridifemoratus* Roser, 1840 (synonym – *Chrysotus monochaetus* Kowarz 1874) – Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Ryazan reg. (Negrobov, Pogonin, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Chrysotus vladimirii* Megrobov et Maslova 1995 – Amur reg. (Negrobov, Maslova, 1995 b), *Chrysotus zlobiniani* Negrobov et Maslova 1995 – Yakutia (Negrobov, Maslova, 1995 b).

Diaphorus Meigen, 1824.

Diaphorus anatoli Negrobov 1986 – Amur reg. (Negrobov, 1976 a, 1986 b), *Diaphorus andreji* Negrobov 1976 – Amur (Negrobov, 1976 a), *Diaphorus deliquescens* Loew 1871 – Moscow reg. (Fedtchenko A., 1892), Central Russia (Stackelberg, 1928 b), Leningrad reg. (Stackelberg, 1962), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Diaphorus disjunctus* Loew 1857 – Leningrad reg. (Stackelberg, 1962), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006, Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Volfov, Kustov, 2009), *Diaphorus exunguiculatus* Parent 1925 – Leningrad reg. (Stackelberg, 1925, 1928, 1962), Siberia (Negrobov, Maslova, Selivanova, 2005 a), *Diaphorus hoffmannseggii* Meigen, 1830 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Ural (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1928, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c), *Diaphorus oculatus* (Fallén, 1823) – Ryazan reg. (Negrobov, Pogonin, 2008), *Diaphorus nigricans* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c), Krasnodar Territory (Negrobov, Duhanina, 1984), Amur reg. (Negrobov, 1986 b), Murmansk reg. (Grichanov, 2004), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Diaphorus oculatus* (Fallén, 1823) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1972), Ryazan reg. (Negrobov, Pogonin, 1984), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Diaphorus parenti* Stackelberg 1928 – Primorye (Stackelberg, 1928 b, Negrobov, Maslova, 2005), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Diaphorus pilitibius* Negrobov et Maslova 1995 – Krasnodar Territory (Negrobov, Maslova, 1995), North Caucasus (Grichanov, Volfov, Kustov, 2006, Grichanov, Volfov, Kustov, 2007), *Diaphorus sokolovi* – Stackelberg, 1928 – Primorye, Chita reg. (Stackelberg, 1928 b), *Diaphorus ussuriensis* Stackelberg 1928 – Primorye, Chita reg. (Stackelberg, 1928 b), Primorye (Negrobov, Maslova, 2005), *Diaphorus vitripennis* Loew, 1859 – Orenburg reg. (Beker, 1918, Wnukowsky, 1936), Primorye (Stackelberg, 1928 b), Russia (Parent, 1938), *Diaphorus winthemi* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), – Orenburg reg. (Beker, 1918, Wnukowsky, 1936), Primorye (Stackelberg, 1928 b), Russia (Parent, 1938), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Tatarstan

(Negrobov, Korneev, Selivanova, 2010), *Diaphorus zlobini* Negrobov et Duchanina 1987 – Sakhalin (Negrobov, Duhanina, 1987).

Diostracus Loew, 1861.

Diostracus maculatus Negrobov 1980 – Primorye (Negrobov, 1980 a), *Diostracus naegelei* Negrobov 1978 – Yakutia (Negrobov, 1978 b), *Diostracus subalpinus* Negrobov 1973 – Buryatia (Negrobov, 1973 d), *Diostracus vitae* Negrobov 1980 – Primorye (Negrobov, 1980 a), *Diostracus zlobini* Negrobov 1980 – Primorye (Negrobov, 1980 a).

Dolichophorus Lichtwardt, 1902

Dolichophorus kerteszi Lichtwardt, 1902 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938).

Dolichopus Latreille, 1796.

Dolichopus acuticornis Wiedemann 1817 – Moscow reg. (Eversmann, 1834), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Voronezh reg. (Negrobov, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Dolichopus agilis* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Siberia (Stackelberg, 1930 a), Far East (Stackelberg, 1930 b), Russia (Parent, 1938), Sayan Mountains (Negrobov, 1973 a, Negrobov, Selivanova, Maslova, 2010), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Buryatia, Irkutsk reg. (Negrobov, Radionova, 2004), Jewish AR, Khabarovsk Territory (Grichanov, 2006 a), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Ryazan reg. (Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Dolichopus albicinctus* Smirnov 1948 – Primorye (Smirnov, 1948 a, Negrobov, Sviridova, 1983), *Dolichopus altayensis* Yang, 1998 – Altai (Grichanov, 2007, Negrobov, Barkalov, 2009), *Dolichopus amginensis* Stackelberg 1928 – Yakutia (Stackelberg, 1928 a, 1929, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Siberia (Stackelberg, 1930 a), *Dolichopus amurensis* Stackelberg 1930 – Amur reg. (Stackelberg, 1930 a), Primorye (Negrobov, Sviridova, 1983), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Khabarovsk Territory (Grichanov, 2006 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Altai (Negrobov, Barkalov, 2009), Khabarovsk Territory, Amur reg. (Kornev, Negrobov, Maslova, 2011), *Dolichopus angustipennis* Kertész, 1901 – Karelia (Frey, 1915), Siberia (Stackelberg, 1930), Leningrad reg. (Stackelberg, 1962), Buryatia (Negrobov, Rodionova, 2004 a), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg., Свердловская обл. (Kornev, Negrobov, Maslova, 2011), *Dolichopus annulipes* Zetterstedt, 1938 – Moscow reg. (Fedtchenko A., 1868), Murmansk reg. (Frey, 1915), Ural (Becker, 1915, Negrobov, Rodionova, 2004 a), Yakutia (Stackelberg, 1930 a, Grichanov, Bagachanova, 2006), Leningrad reg. (Stackelberg, 1962), Murmansk reg. (Negrobov, 1968 b), Murmansk reg. (Negrobov, 1974), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Dolichopus annulitarsis* Ringdahl 1920 – Ural (Stackelberg, 1930 a), Magadan reg. (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), *Dolichopus apicalis* Zetterstedt 1849 – Novgorod reg. (Stackelberg, 1919), Far East (Stackelberg, 1930 a), Voronezh reg. (Negrobov, 1967 a), Kamchatka (Negrobov, Rodionova, 2004 a), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Vologda reg. (Grichanov, 2006 b), Kursk reg. (Grichanov, 2007 a), *Dolichopus arbustorum* Stannius 1831 – North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006), Voronezh reg. (Negrobov, 1972), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Ryazan reg. (Negrobov, Pogonin, 2008), *Dolichopus argyrotarsis* Wahlberg

1850 – Leningrad reg. (Stackelberg, 1925, 1962), Siberia (Stackelberg, 1930 a), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Dolichopus armillatus* Wahlberg, 1850 – Murmansk reg. (Frey, 1915), Ural (Stackelberg, 1930 a), *Dolichopus asiaticus* Negrobov 1973 – Buryatia (Negrobov, 1973 a), *Dolichopus atripes* Meigen, 1824 Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1922, 1925, 1962), *Dolichopus atritibialis* Zetterstedt 1859 – Arkhangelsk reg. (Negrobov, 1977 b), *Dolichopus austriacus* Parent 1927 – Volograd reg. (Stackelberg, 1930 a), European part of Russia (Negrobov, 1977 b), Astrakhan reg. (Grichanov, 2011), *Dolichopus basalis* Loew 1859 – Kamchatka (Stackelberg, 1930 a), Magadan reg. (Negrobov, Chalaya, 1991), *Dolichopus bianchii* Stackelberg 1929 – North Ural (Stackelberg, 1929), Primorye (Stackelberg, 1930 a, Negrobov, Sviridova, 1983), Yakutia (Negrobov, 1973 c, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Dolichopus bigeniculatus* Parent 1926 – Primorye (Stackelberg, 1930 b, Negrobov, Sviridova, 1983, Stackelberg, 1930, Udovenko, 1970), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus bilamellatus* Parent, 1929 – Russia (Parent, 1929), Primorye (Stackelberg, 1930 a, Stackelberg, 1930 b), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus bisetulatus* Negrobov 1977 – Primorye (Negrobov, 1977), *Dolichopus bonsdorffii* Frey 1915 – Leningrad reg. (Stackelberg, 1962, Negrobov, 1977 b), Khabarovsk Territory (Negrobov, 1977 b), Altai (Negrobov, Barkalov, 2009), *Dolichopus breviclypeus* Negrobov, 1976 – Buryatia (Negrobov, 1976 c), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus brevipennis* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Murmansk reg. (Frey, Lundsrom, 1913, Negrobov, 1974), Leningrad reg. (Stackelberg, 1921, 1925), Yakutia (Stackelberg, 1928 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Far East (Stackelberg, 1930 a), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnodar Territory (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Kabardino-Balkaria, Adygea (Grichanov, Volfov, Kustov, 2007), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Dolichopus calceatus* Parent, 1927 – Transbaikale (Parent, 1927), Chita reg. (Stackelberg, 1930 a), Primorye (Stackelberg, 1930 b), Khabarovsk reg. (Negrobov, Sviridova, 1983), Kamchatka (Negrobov, Rodionova, 2004 a), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), *Dolichopus caligatus* Wahlberg, 1850 – Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus calinotus* Loew 1871 – North Caucasus (Grichanov, Volfov, Kustov, 2006), *Dolichopus campestris* Meigen 1824 – Siberia (Frey 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Primorye (Stackelberg, 1930 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Kamchatka (Negrobov, Chalaya, 1991), Vologda reg. (Grichanov, 2006 b), Altai (Grichanov, 2007 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Dolichopus cilifemoratus* Macquart 1827 – Moscow reg. (Fedtchenko A., 1891, Fedtchenko B., 1892), Siberia (Frey, 1915, Stackelberg, 1930), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1922, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1967 a, 1972), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006), Tomsk reg. (Negrobov, Rodionova, 2004 a), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), Altai (Grichanov, 2007 b, Negrobov, Barkalov,

2009), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Ryazan reg. (Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), *Dolichopus cinctipes* Wahlberg 1850 – Siberia (Stackelberg, 1930 a), Baikal (Negrobov, 1977 b), Arkhangelsk reg. (Negrobov, Rodionova, 2004 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Komi, Chukchi autonomous Region (Grichanov, 2012 b), *Dolichopus ciscaucasicus* Stackelberg 1927 – North Caucasus (Stackelberg, 1927, Stackelberg, 1930, Negrobov, 1965 b, 1965, 1967 c), *Dolichopus claviger* Stannius 1831 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1982), Siberia (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Siberia (Stackelberg, 1930 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Magadan reg. (Negrobov, Chalaya, 1991), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Vologda reg. (Grichanov, 2006b), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Altai (Negrobov, Barkalov, 2009), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Dolichopus clavipes clavipes* Yaliday, 1832 – Murmansk reg. (Negrobov, 1974), Murmansk reg., Baikal region (Negrobov, Були, 1986), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Urals, Yakutia, Tomsk reg. (Negrobov, Rodionova, 2004 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus clavipes fusiformis* Becker, 1917 (Turkestan) – Yakutia (Stackelberg, 1930 a, Negrobov, Chalaya, 1991), *Dolichopus costalis* Frey, 1915 – Russia (Frey, 1915), Karelia (Stackelberg, 1929), Yakutia (Stackelberg, 1930 a, Negrobov, 1973 a), *Dolichopus cruralis* Wahlberg, 1850 – Leningrad reg. (Stackelberg, 1925, 1962), Siberia (Stackelberg, 1930 a), Russia (Parent, 1938), Murmansk reg. (Grichanov, 2004), *Dolichopus czekanovskii* Stackelberg 1928 – Yakutia (Stackelberg, 1928 a, 1930, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), *Dolichopus davshinicus* Negrobov 1973 – Buryatia (Negrobov, 1973 b), Yakutia (Negrobov, Chalaya, 1991), *Dolichopus diadema* Haliday, 1832 – North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), *Dolichopus discimanus* Wahlberg, 1851 – Siberia (Stackelberg, 1930 a), Primorye (Negrobov, Sviridova, 1983), *Dolichopus divisus* Becker 1917 – Far East (Negrobov, Sviridova, 1983), Altai (Negrobov, Barkalov, 2009), *Dolichopus disharmonicus* Smirnov, 1948 – Primorye (Smirnov, 1948 a), *Dolichopus divisus* Becker, 1917 – Ural (Becker, 1917), Irkutsk reg. (Stackelberg, 1930 a), *Dolichopus emelianovi* Stackelberg, 1930 – Primorye (Stackelberg, 1930 a, Stackelberg, 1930 b), *Dolichopus eous* Stackelberg 1929 – Buryatia (Stackelberg, 1929), Yakutia (Stackelberg, 1930 a, Grichanov, Bagachanova, 2006), Buryatia (Negrobov, Rodionova, 2004 a), *Dolichopus eurypterus* Gerstacker 1864 – Primorye (Stackelberg, 1930 a, Stackelberg, 1930 b), Khabarovsk Territory (Grichanov, 2006a), *Dolichopus excisus* Loew 1859 – Siberia (Stackelberg, 1930 a), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1972), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Kustov, Volfov, 2006), Krasnodar Territory (Grichanov, 2012 c), *Dolichopus flavipes* Stannius 1831 – Siberia (Frey, 1915,), Leningrad reg. (Stackelberg, 1925, 1962), Yakutia (Stackelberg, 1930 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Primorye (Stackelberg, 1930 a), Russia (Parent, 1938), Far East (Negrobov, Sviridova, 1983), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Dolichopus fraterculus fraterculus* Zetterstedt 1843 – Murmansk reg. (Frey, 1915, Negrobov, 1974), Karelia (Stackelberg, 1930 a), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov,

2007 b, Negrobov, Barkalov, 2009), *Dolichopus fraterculus nigrifemur* Stackelberg, 1930 – Ural (Stackelberg, 1930), *Dolichopus fridolini* Stackelberg, 1928 – Ural (Stackelberg, 1928 a, 1930), *Dolichopus fursovi* Negrobov et Barkalov, 2010 – Altai (Negrobov, Barkalov, 2010), *Dolichopus galeatus* Loew, 1871 – "Sibirien" (Loew, 1871), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Kamchatka (Parent, 1930), Primorye (Stackelberg, 1930 a), Khabarovsk Territory (Negrobov, Sviridova, 1983), *Dolichopus gorodkovi* Negrobov 1973 – Sayan Mountains, Irkut reg. (Negrobov, 1973 b), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Dolichopus grandicornis* Wahlberg, 1850 – Ural (Becker, 1917), *Dolichopus griseifacies* Becker, 1917 – Irkutsk (Becker, 1917), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus griseipennis* Stannius, 1831 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1982), North Caucasus (Stackelberg, 1926 a, Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Siberia (Stackelberg, 1930 a), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), *Dolichopus grunini* Smirnov, 1948 – Primorye (Smirnov, 1948 a), Magadan reg. (Negrobov, Chalaya, 1991), *Dolichopus gubernator* Mik, 1978 – Leningrad reg. (Stackelberg, 1962), Khabarovsk Territory (Negrobov, 1977 b), *Dolichopus hilaris* Loew, 1862 – Primorye (Stackelberg, 1930 a, Stackelberg, 1930 b), Russia (Parent, 1938), Khabarovsk Territory (Negrobov, 1977 b), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), *Dolichopus humilis* Van Duzee, 1921 (synonym *Dolichopus lanzovi* Negrobov, Grichanov et Barkalov 2009) – Kamchatka (Negrobov, Rodionova, 2004a), Altai, Yakutia, Irkutsk reg. (Negrobov, Grichanov, Barkalov, 2009), Taimyr (Negrobov, Grichanov, Barkalov, 2009), Yakutia (Grichanov, Bagachanova, 2006), *Dolichopus impotens* Smirnov, 1948 – Primorye (Smirnov, 1948b), *Dolichopus intonsus* Smirnov, 1948 – Primorye (Smirnov, 1948 b), *Dolichopus ivanovi* Stackelberg 1929 – Yakutia (Stackelberg, 1929 a, 1930, Grichanov, Bagachanova, 2006), Kamchatka (Negrobov, Chalaya, 1991), *Dolichopus jacutensis* Stackelberg 1929 – Yakutia (Stackelberg, 1929 a, 1930, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006, Kornev, Negrobov, Maslova, 2011), Magadan reg., Khabarovsk reg., Primorye (Negrobov, Sviridova, 1983, Maslova, Negrobov, Kornev, 2011), *Dolichopus jakutus* Selivanova et Negrobov, 2011 – Yakutia (Selivanova, Negrobov, 2011), *Dolichopus kjari* Stackelberg 1929 – Yakutia (Stackelberg, 1929 a, 1930, Negrobov, 1973 a, Grichanov, Bagachanova, 2006), Irkutsk reg. (Stackelberg, 1929, 1930, Negrobov, 1973 c), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus kurayensis* Negrobov, Barkalov et Selivanova 2011 – Altai (Negrobov, Barkalov, Selivanova, 2011), *Dolichopus kuznetsovi*, Maslova, Negrobov, Selivanova, 2012 – Primorye (Maslova, Negrobov, Selivanova, 2012), *Dolichopus lancearius* Hedström 1966 – Baikal (Negrobov, 1976 c), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus latilimbatus* Macquart 1827 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Yakutia (Stackelberg, 1930 a), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, Negrobov, 1965 c, 1966 a, 1967 a, 1972), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, Kustov, Volfov, 2006), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Kursk reg. (Grichanov, 2007 a), *Dolichopus latipennis* Fallen, 1823 – Transbaikalia, Yakutia (Stackelberg, 1933), Russia (Pare, 1938), Murmansk reg. (Negrobov, 1974), *Dolichopus lepidus* Staeger, 1842 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915, Negrobov, 1974), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Russia (Parent, 1938), Vo-

ronezh reg. (Negrobov, 1967a), North Caucasus (Negrobov, 1967 c, 1970), Magadan reg. (Negrobov, Chalaya, 1991), Khanty-Mansi autonomous region (Grichanov, 2010 a), Adygea (Negrobov, Radionova, 2004), Vologda reg. (Grichanov, 2006 b), Khabarovsk Territory (Grichanov, 2006a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus lepidus microstigma* Stackelberg 1930 – Primorye (Stackelberg, 1930 b, Stackelberg, 1930 a, Negrobov, Sviridova, 1983), Ryazan reg. (Negrobov, Pogonin, 2008), *Dolichopus leucopus* Smirnov, 1948 – Primorye (Smirnov, 1948 b), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus linearis* Meigen, 1824 – Siberia (Frey, 1915, Negrobov, 1973 a), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1922, 1925, 1962), Primorye (Stackelberg, 1930 a, Stackelberg, 1930 b, Negrobov, Sviridova, 1983), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1967 a), North Caucasus (Negrobov, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Khanty-Mansi autonomous region, Adygea (Negrobov, Radionova, 2004), Vologda reg. (Grichanov, 2006 b), Khabarovsk Territory (Grichanov, 2006 a), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Ryazan reg. (Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus lineatocornis* Zetterstedt, 1843 – Krasnodar Territory (Negrobov, Duhanina, 1984), Ryazan reg. (Negrobov, Pogonin, 1984), *Dolichopus litorellus* Zetterstedt, 1852 – Moskov reg., Yakutia (Stackelberg, 1933), Yakutia (Negrobov, 1973 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Omsk reg. (Negrobov, Rodionova, 2004 a), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), *Dolichopus lonchophorus* Loew, 1873 – “Kultuk” [= near Irkutsk] (Loew, 1873). Siberia (Stackelberg, 1928 a, Negrobov, 1973 a), Ural (Stackelberg, 1933, Negrobov, 1973 c), Khabarovsk Territory (Grichanov, 2006 a), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Dolichopus longicornis* Stannius, 1831 – Moscow reg. (Fedchenko A., 1868, Fedchenko A., 1891, Fedchenko B., 1892), Murmansk reg. (Frey, 1915, Negrobov, 1968 b, Frey, Lundsrom, 1913), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1922, 1925, 1962), Far East (Stackelberg, 1930 b), Moscow reg., Perm reg., Irkutsk reg., Kamchatka (Stackelberg, 1933), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c), Primorye (Negrobov, Sviridova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Yakutia (Negrobov, 1973 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Vologda reg. (Grichanov, 2006 b), Altai (Grichanov, 2007 b), Kursk reg. (Grichanov, 2007 a), Ryazan reg. (Negrobov, Pogonin, 2008), Kaluga reg. (Grichanov, 2010 b), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Dolichopus longicostalis* Negrobov et Barkalov, 1978 – Yakutia (Negrobov, Barkalov, 1978), *Dolichopus longisetus* Negrobov, 1977 – Primorye (Negrobov, 1977 c), Khabarovsk Territory (Grichanov, 2006 a), Altai (Grichanov, 2007 b), *Dolichopus longitarsis* Stannius, 1831 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Siberia (Stackelberg, 1928 a), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1967 a), Yakutia (Negrobov, Barkalov, 1978), Vologda reg. (Grichanov, 2006 b), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Altai (Negrobov, Barkalov, 2009), *Dolichopus luteifacies* Parent, 1927 – Irkutsk reg. (Parent, 1927), Primorye (Stackelberg,

1933, Udovenko, 1970), *Dolichopus maculicornis* Verrall, 1875 – Northern Europe Yakutia (Grichanov, Bagachanova, 2006), *Dolichopus maculipennis* Zetterstedt, 1843 – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Kamchatka (Parent, 1930), Northern Europe (Stackelberg, 1933), Magadan reg. (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), *Dolichopus makarovi* Smirnov, 1948 – Primorye (Smirnov, 1948 b, Negrobov, Sviridova, 1983), Kamchatka (Negrobov, Rodionova, 2004 a), *Dolichopus mannerheimi* Zetterstedt, 1838 – Murmansk reg. (Frey, 1915), Siberia (Negrobov, 1973 a), Khanty-Mansi autonomous region (Negrobov, 1973 c, Grichanov, 2010 a), Altai, Irkutsk reg., Transbaikalia, Khabarovsk Territory, Primorye, Magadan reg., Kamchatka (Negrobov, 1977b), Magadan reg. (Negrobov, Chalaya, 1991), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus marmynovi* Stackelberg, 1930 – Primorye (Stackelberg, 1930 b, 1933, Negrobov, 1973 c), *Dolichopus mediovenus* Negrobov, 1977 – Primorye (Negrobov, 1977), Murmansk reg. (Grichanov, 2004), *Dolichopus meigeni* Loew 1857 – Voronezh reg. (Negrobov, 1977 g, Negrobov, Radionova, 2004), *Dolichopus melanopus* Meigen 1824 – Ural (Eversmann, 1834), *Dolichopus migrans* Zetterstedt, 1843 – Karelia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Far East (Stackelberg, 1930 a), Siberia (Stackelberg, 1933), Voronezh reg. (Negrobov, 1963, 1965 c, 1966 a, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Magadan reg. (Negrobov, Chalaya, 1991), *Dolichopus monochaetus* Smirnov, 1948 – Primorye (Smirnov, 1948b), *Dolichopus nataliae* Stackelberg, 1930 – Primorye (Stackelberg, 1933), Magadan reg. (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus nebulosus* Smirnov, 1948 – Primorye (Smirnov, 1948 b), *Dolichopus negrobovi* Gosseries, 1989 (synonym – *Dolichopus pallipes* Negrobov, 1973) – Buryatia (Negrobov, 1973 a), Magadan reg. (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus nigrilamellatus* Becker, 1917 – Ural (Becker, 1917), *Dolichopus nigricornis* Meigen, 1824 (synonym – *Dolichopus discifer* Stannius, 1831) – Moscow reg. (Fedchenko B., 1892), Murmansk reg. (Frey, 1915, Negrobov, 1968 b, 1974), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Far East (Negrobov, Sviridova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Magadan reg. (Negrobov, Chalaya, 1991), Yamal-Nenets autonomous region (Negrobov, Rodionova, 2004a), Vologda reg. (Grichanov, 2006 b), Yakutia (Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), Altai (Grichanov, 2007 b), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus nirgipes* Fallen, 1823 – Voronezh reg. (Negrobov, 1972, 1977 b, Negrobov, 1977 g), *Dolichopus nitidus* Fallén, 1823 – Moscow reg. (Fedchenko A., 1868, Fedchenko B., 1892), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Far East (Stackelberg, 1930 b), Siberia (Stackelberg, 1933), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Primorye (Udovenko, 1970), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Khanty-Mansi AR (Grichanov, 2010a), North Caucasus (Grichanov, Kustov, Volfov, 2006), Khabarovsk Territory (Grichanov, 2006a), Altai (Grichanov, 2007b), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Dolichopus*

notatus Staeger, 1842 – Moscow reg. (Fedtchenko B., 1892), Karelia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Siberia (Stackelberg, 1933), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1967 a), North Caucasus (Negrobov, 1970 b), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Magadan reg. (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007 b), *Dolichopus nubilus* Meigen, 1824 – Karelia (Frey, 1915), Siberia (Stackelberg, 1933), Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), Kursk reg. (Grichanov, 2007 a), Altai (Negrobov, Barkalov, 2009), *Dolichopus ornatitarsis* Negrobov Barkalov, 2008 – Altai (Negrobov, Barkalov, 2009), *Dolichopus pamiricus* Negrobov, 1976 – Pamir (Negrobov, 1976 c), *Dolichopus pectinitarsis* Stenhammer, 1851 – North Ural (Stackelberg, 1933), Yakutia (Grichanov, Bagachanova, 2006), *Dolichopus pennatus* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Murmansk reg. (Frey, Lundsrom, 1913, Novgorod reg. (Stackelberg, 1919), Pskov reg. (Stackelberg, 1933), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Magadan reg. (Negrobov, Chalaya, 1991), Vologda reg. (Grichanov, 2006 b), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Dolichopus picipes* Meigen, 1824 – Karelia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Mosow reg. (Stackelberg, 1933), Voronezh reg. (Negrobov, 1967 a, 1972), North Caucasus (Negrobov, 1967 c, 1968 b), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Altai (Grichanov, 2007 b), Ryazan reg. (Negrobov, Pogonin, 2008), *Dolichopus planitarsis* Fallén, 1823 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962, 1933), Voronezh reg. (Negrobov, 1967 a), Kamchatka (Negrobov, Rodionova, 2004 a), Yakutia (Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Altai (Barkalov, Negrobov, Grichanov, 2009), *Dolichopus platychaetus* Negrobov et Barkalov, 1977 – Magadan reg. (Negrobov, Barkalov, 1977, Negrobov, Chalaya, 1991), *Dolichopus plumipes* Scopoli, 1763 (synonym *Dolichopus parvicaudatus* Zetterstedt, 1843) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Murmansk reg. (Frey, Lundsrom, 1913, Ural (Becker, 1915), Murmansk reg. (Frey, 1915, Negrobov, 1968 b, Negrobov, 1974), Russia (Frey, 1918), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Far East (Stackelberg, 1930 a, Negrobov, Sviridova, 1983), Kamchatka (Parent, 1930 b), Siberia (Stackelberg, 1933), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Primorye (Udovenko, 1970), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Kamchatka, Yakutia (Negrobov, Rodionova, 2004a), Khabarovsk Territory (Grichanov, Kustov, Volfov, 2006a), Vologda reg. (Grichanov, 2006b), Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), Kursk reg. (Grichanov, 2007 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Khanty-Mansi autonomous region (Negrobov, Korneev, Selivanova, 2010), Krasnodar Territory (Grichanov, 2010 a), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Krasnodar Territory (Grichanov, 2012 c), *Dolichopus plumitarsis* Fallén, 1823 – Volga River

basin (Eversmann, 1834), Moscow reg. (Fedtchenko A., 1868), Far East (Stackelberg, 1930 b), Perm reg., Irkutsk reg, Primorye (Stackelberg, 1933), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c), Primorye (Udovenko, 1970, Negrobov, Sviridova, 1983), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Tomsk reg., Altai (Negrobov, Rodionova, 2004 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Altai (Negrobov, Barkalov, 2009), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus polychaetus* Negrobov, 1973 (Mongolia) – Altai (Grichanov, 2007 b, Negrobov, Barkalov, 2009), *Dolichopus popularis* Wiedemann, 1817 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892, Stackelberg, 1933), Siberia (Frey, 1915), Leningrad reg. (Porchinskij, 1874, Stackelberg, 1925, 1962), Russia (Parent, 1928), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Altai (Grichanov, 2007 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), *Dolichopus portentosus* Negrobov, 1973 – Irkut reg., Buryatia (Negrobov, 1973 b), Yakutia (Negrobov, Chalaya, 1991), *Dolichopus pospelovi* Smirnov, 1948 – Primorye (Smirnov, 1948 b), Yakutia (Grichanov, Bagachanova, 2006), *Dolichopus postocularis* Negrobov, 1977 – Primorye, Kamchatka, Khabarovsk Territory (Negrobov, 1977 c), *Dolichopus pullus* Smirnov, 1948 – Primorye (Smirnov, 1948b), *Dolichopus punctum* Meigen, 1824 – Moscow reg. (Федченко А., 1868), Leningrad reg. (Stackelberg, 1962), Yakutia (Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus remipes* Wahlberg, 1839 – Leningrad reg. (Stackelberg, 1922, 1925, 1962), Kamchatka, Baikal, Buryatia (Negrobov, 1977b), Voronezh reg. (Negrobov, Korneev, 2010), Khanty-Mansi autonomous region (Negrobov, Korneev, 2010, Grichanov, 2010 a), *Dolichopus rezvorum* Stackelberg, 1930 – Primorye (Stackelberg, 1930 b, 1933, Udovenko, 1970), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus ringdahli* Stackelberg, 1929 – Siberia (Stackelberg, 1929), Yakutia (Stackelberg, 1930 b, 1933, Grichanov, Bagachanova, 2006), Far East (Negrobov, Sviridova, 1983), Yakutia (Negrobov, Chalaya, 1991), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Krasnodar Territory, Primorye (Maslova, Negrobov, Korneev, 2012), *Dolichopus robustus* Stackelberg, 1928 – Primorye (Stackelberg, 1928 a, Negrobov, Sviridova, 1983), Kamchatka (Stackelberg, 1930 b, Negrobov, Rodionova, 2004 a), Khabarovsk Territory (Grichanov, 2006a), Altai (Grichanov, 2007 b), Moskov reg., Yakutia, Amur reg (Stackelberg, 1933), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus romanovi* Smirnov et Negrobov, 1973 – Baikal (Negrobov, 1973 a), *Dolichopus rotundipennis* Loew, 1848 – Siberia (Loew, 1848), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Baikal (Negrobov, Grichanov, Barkalov, 2009), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Dolichopus rufitinctus* Becker, 1917 – Sverdlovsk reg. (Becker, 1917), *Dolichopus rupestris* Haliday, 1833 – Siberia (Stackelberg, 1928 a, 1933), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Voronezh reg. (Negrobov, 1972), Murmansk reg. (Negrobov, 1974), Primorye (Negrobov, Sviridova, 1983), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Ural (Negrobov, Rodionova, 2004a), Altai (Grichanov, 2007 b), *Dolichopus ruthei* Loew, 1847 – Moscow reg. (Fedtchenko A., 1868), *Dolichopus sabinius* Haliday, 1838 – North Caucasus (Grichanov, Volfov, Kustov, 2007), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), *Dolichopus sagittarius* Loew, 1848 – Siberia

(Loew, 1848, Stackelberg, 1933), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Altai (Negrobov, Barkalov, 2009), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus salictorum* (Loew, 1871) – North Caucasus (Grichanov, Volfov, Kustov, 2007), Voronezh reg. (Negrobov, Korneev, 2010), Yakutia (Maslova, Negrobov, Selivanova, 2011 a), *Dolichopus saxicola* Smirnov, 1948 – Primorye (Smirnov, 1948 b), Far East (Negrobov, Sviridova, 1983), *Dolichopus setiger* Negrobov, 1973 – Buryatia (Negrobov, 1973 b), Kamchatka (Negrobov, Rodionova, 2004a), *Dolichopus selivanovae* Negrobov et Barkalov, 2010 – Altai (Negrobov, Barkalov, 2010), *Dolichopus setimamis* Smirnov, 1948 – Primorye (Smirnov, 1948 b, Negrobov, Sviridova, 1983), Khabarovsk Territory, Chita reg., Sachalin, Kuril isl. (Selivanova, Negrobov, Maslova, 2010), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus shantaricus* Stackelberg, 1933 – Khabarovsk Territory (Stackelberg, 1933), *Dolichopus sharovi* Smirnov, 1948 – Primorye (Smirnov, 1948 b), *Dolichopus sibiricus* Stackelberg, 1929 – Yakutia (Stackelberg, 1929, 1933, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Dolichopus signatus* Meigen, 1824 – Leningrad reg. (Stackelberg, 1922, 1925, 1962), Voronezh reg. (Negrobov, 1972), Murmansk reg. (Negrobov, 1974), Kamchatka (Negrobov, Rodionova, 2004a), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Dolichopus signifer* Haliday, 1838 – Russia (Parent, 1938), North Caucasus (Negrobov, 1965, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Voronezh reg. (Negrobov, 1965 b, 1966 a), Adygea (Grichanov, Volfov, Kustov, 2009), *Dolichopus simius* Parent, 1927 – Irkutsk reg. (Parent, 1927, Maslova, Negrobov, Selivanova, 2010), Yakutia (Parent, 1930), Siberia (Stackelberg, 1933, Negrobov, 1973 a), Primorye (Udovenko, 1970, Negrobov, 1973 c), Buryatia (Negrobov, Sviridova, 1983, Negrobov, Rodionova, 2004 a), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Altai (Negrobov, Barkalov, 2009), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Dolichopus simplex* Meigen, 1824 – Volga River basin (Eversmann, 1834), Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Voronezh reg. (Negrobov, 1963), North Caucasus (Negrobov, 1967 c), Murmansk reg. (Negrobov, 1974), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984), Vologda reg. (Grichanov, 2006b), Kursk reg. (Grichanov, 2007 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Ryazan reg. (Negrobov, Pogonin, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus uniseta* Stackelberg, 1929 – Yakutia (Stackelberg, 1929), Primorye (Stackelberg, 1930 b, Stackelberg, 1933, Udovenko, 1970), Far East (Negrobov, Sviridova, 1983), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus uralensis* Stackelberg, 1933 – Ural (Stackelberg, 1933, Negrobov, 1970), *Dolichopus urbanus* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915, Frey, Lundsrom, 1913), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 d, Grichanov, Volfov, Kustov, 2007), Voronezh reg. (Negrobov, 1972), Altai (Grichanov, 2007 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus ussuriensis* Stackelberg, 1930 – Primorye (Stackelberg, 1930 b, Stackelberg, 1933, Negrobov, Sviridova, 1983), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus vadimiani* Negrobov et Barkalov 1978 Primorye (Negrobov, Barkalov, 1978, Negrobov, Sviridova, 1983), *Dolichopus varians* Smirnov, 1948 – Primorye (Smirnov, 1948 b), Far East (Negrobov, Sviridova, 1983), Kamchatka (Negrobov, Chalaya, 1991), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus verde* Negrobov, 1977 – Kuril Islands (Negrobov, 1977 c), Kamchatka (Negrobov, Rodionova, 2004 a), *Dolichopus vitripennis* Meigen, 1824 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Moskow reg. (Stackelberg, 1933), *Dolichopus wahlbergi* Zetterstedt, 1843 – Karelia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Primorye (Stackelberg, 1933), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Voronezh reg. (Negrobov, 1972), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnodar Territory (Grichanov, 2006a), Vologda reg. (Grich-

Dolichopus taigensis Smirnov, 1948 Primorye (Smirnov, 1948 b), Yakutia (Negrobov, Chalaya, 1991), Primorye, Magadan reg., Khabarovsk Territory, Kamchatka, Karelia (Negrobov, Maslova, Selivanova, 2011), *Dolichopus taimyricus* Selivanova, Negrobov et Barkalov, 2012 – Krasnoyarsk Territory (Selivanova, Negrobov, Barkalov, 2012), *Dolichopus terminasianae* Negrobov, Selivanova, Maslova 2011 Magadan reg. (Negrobov, Selivanova, Maslova, 2011), *Dolichopus triangularis* Smirnov, 1948 – Primorye (Smirnov, 1948 b), *Dolichopus trivialis* Haliday, 1832 – Moscow reg. (Fedtchenko A., 1868), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), Altai (Grichanov, 2007 b), Adygea (Grichanov, Volfov, Kustov, 2009), *Dolichopus tumicosta* Negrobov, Grichanov et Barkalov, 2009 – Altai (Negrobov, Grichanov, Barkalov, 2009), *Dolichopus tundrensis* Barkalov, Negrobov et Grichanov 2009 – Altai (Barkalov, Negrobov, Grichanov, 2009), *Dolichopus ukokensis* Negrobov et Barkalov, 2009 – Altai (Negrobov, Barkalov, 2009), *Dolichopus ungulatus* Linnaeus, 1758 – Altai (Motschulsky, 1859, Grichanov, 2007 b), Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Siberia, Altai (Frey, 1915, Stackelberg, 1928 a, 1933), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c, 1968 b, Grichanov, Volfov, Kustov, 2007), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984), Vologda reg. (Grichanov, 2006b), Kursk reg. (Grichanov, 2007 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Ryazan reg. (Negrobov, Pogonin, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus uniseta* Stackelberg, 1929 – Yakutia (Stackelberg, 1929), Primorye (Stackelberg, 1930 b, Stackelberg, 1933, Udovenko, 1970), Far East (Negrobov, Sviridova, 1983), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus uralensis* Stackelberg, 1933 – Ural (Stackelberg, 1933, Negrobov, 1970), *Dolichopus urbanus* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915, Frey, Lundsrom, 1913), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 d, Grichanov, Volfov, Kustov, 2007), Voronezh reg. (Negrobov, 1972), Altai (Grichanov, 2007 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Dolichopus ussuriensis* Stackelberg, 1930 – Primorye (Stackelberg, 1930 b, Stackelberg, 1933, Negrobov, Sviridova, 1983), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus vadimiani* Negrobov et Barkalov 1978 Primorye (Negrobov, Barkalov, 1978, Negrobov, Sviridova, 1983), *Dolichopus varians* Smirnov, 1948 – Primorye (Smirnov, 1948 b), Far East (Negrobov, Sviridova, 1983), Kamchatka (Negrobov, Chalaya, 1991), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus verde* Negrobov, 1977 – Kuril Islands (Negrobov, 1977 c), Kamchatka (Negrobov, Rodionova, 2004 a), *Dolichopus vitripennis* Meigen, 1824 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Moskow reg. (Stackelberg, 1933), *Dolichopus wahlbergi* Zetterstedt, 1843 – Karelia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Primorye (Stackelberg, 1933), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Voronezh reg. (Negrobov, 1972), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnodar Territory (Grichanov, 2006a), Vologda reg. (Grich-

anov, Volfov, Kustov, 2006), *Dolichopus xanthopyga* Stackelberg, 1930 – Primorye (Stackelberg, 1930 b, 1933), Khabarovsk Territory (Grichanov, 2006 a), *Dolichopus zernyi* Parent, 1927 – Ural (Parent, 1927), Siberia (Stackelberg, 1933), Voronezh reg. (Negrobov, 1965 c, 1966 a, 1972, Negrobov, 1973 c), Astrakhan reg. (Grichanov, 2011), *Dolichopus zetterstedti* Stenhammer, 1851 – Karelia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Yakutia (Stackelberg, 1933, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Dolichopus zhelochovzevi* Negrobov, 1976 – Yakutia (Negrobov, 1976 c, Negrobov, Grichanov, Barkalov, 2009, Grichanov, Bagachanova, 2006).

Epithalassius Mik, 1891.

Epithalassius caucasicus Becker, 1918 – “Black Sea coast of the Caucasus” (Becker, 1918), North Caucasus (Negrobov, Selivanova, 2006).

Guzeriplia Negrobov, 1968.

Guzeriplia chlorina Negrobov, 1968 – North Caucasus (Negrobov, 1968 c), Adygea (Grichanov, Volfov, Kustov, 2009), Krasnodar Territory (Grichanov, 2012 c), *Guzeriplia viridana* Negrobov, 1978 – North Caucasus (Negrobov, 1978).

Hercostomus Loew, 1857.

Hercostomus aerosus (Fallen, 1823) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko A., 1891, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915, Negrobov, 1974, Grichanov, 2004), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Primorye (Stackelberg, 1933), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Arkhangelsk reg., Amur reg., Baikal, Mordovia (Chalaya, Negrobov 1989), Sakhalin (Negrobov, Rodionova, 2004 b), Vologda reg. (Grichanov, 2006b), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Hercostomus albobarbus* Negrobov, 1976 (Mongolia) – Altai (Grichanov, 2007 b), *Hercostomus angustifrons* (Staeger 1842) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Voronezh reg. (Negrobov, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984, 2008), Lipetsk reg., Ryazan reg., Ural (Chalaya, Negrobov 1989), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c), Ryazan reg., *Hercostomus anomalipennis* Stackelberg, 1933 (Uzbekistan) – Orenburg reg. (Chalaya, Negrobov 1989), *Hercostomus arcticus* Yang, 1996 (China) – Khabarovsk Territory (Grichanov, 2006 a), *Hercostomus armenorum* Stackelberg, 1934 (Armenia) – Adygea (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Hercostomus assimilis* (Staeger, 1842) – Leningrad reg. (Stackelberg, 1962), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Moscow reg., Ryazan reg., Voronezh reg. (Chalaya, Negrobov 1989), Republic Karachay-Cherkessia (Negrobov, Rodionova, 2004 b), *Hercostomus baicalensis* Negrobov, 1977 – Yamal-Nenets autonomous region, Buryatia (Negrobov, 1977 a), *Hercostomus brevicornis* (Staeger, 1842) – Siberia (Frey, 1915), Primorye (Stackelberg, 1934), Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Moscow reg., Ural (Chalaya, Negrobov 1989), Far East (Negrobov, Rodionova, 2004 b), Murmansk reg. (Grichanov, 2004), Khabarovsk Territory (Grichanov, 2006 a), Krasnoyarsk Territory

(Pogonin, Negrobov, 2008), *Hercostomus caucasicus* Stackelberg, 1934 – North Caucasus (Stackelberg, 1934, Negrobov, 1965 a, 1967 c, 1968 b, 1970, Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Adygea (Grichanov, Volfov, Kustov, 2009), *Hercostomus caudatus* (Loew, 1859) – Krasnodar Territory (Negrobov, 1965 b), North Caucasus (Grichanov, Volfov, Kustov, 2006), Adygea (Grichanov, Volfov, Kustov, 2009), *Hercostomus celer* (Meigen, 1824) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Voronezh reg. (Negrobov, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c), Mordovia (Negrobov, Golubcova, 1983), Mordovia, Altai (Chalaya, Negrobov 1989), Ryazan reg. (Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Hercostomus chaerophylli* (Meigen, 1824) – Krasnodar Territory (Negrobov, 1968 b), North Caucasus (Chalaya, Negrobov 1989), *Hercostomus chalybeus* (Wiedemann, 1817) – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Hercostomus chetifer* (Walker, 1849) – Krasnodar Territory (Negrobov, 1965 b, Negrobov, Duhanina, 1984), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Moscow reg. (Chalaya, Negrobov 1989), *Hercostomus chrysotygos* (Wiedemann, 1817) – Volga River basin (Eversmann, 1834), Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Khabarovsk territory (Negrobov, Rodionova, 2004 b), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), *Hercostomus conformis* (Loew, 1857) – Russia (Parent, 1938), Adygea (Grichanov, Volfov, Kustov, 2009), Krasnodar territory (Grichanov, 2012 c), *Hercostomus convergens* (Loew, 1857) – Voronezh reg. (Negrobov, 1965 b, 1965 c, 1965, 1966 a, 1972), North Caucasus (Grichanov, Volfov, Kustov, 2006), *Hercostomus daubichensis* Stackelberg, 1934 – Primorye (Stackelberg, 1934), Far East (Negrobov, Rodionova, 2004 b), *Hercostomus dichromopyga* Stackelberg, 1934 – Primorye (Stackelberg, 1934), *Hercostomus exarticulatus* (Loew 1857) – Voronezh reg. (Negrobov, Rodionova, 2004 b), *Hercostomus flaveolus* Negrobov et Chalaya, 1987 – Primorye (Negrobov, Chalaya, 1987), *Hercostomus flavicoxus* Negrobov et Logvinovskij, 1977 – Yakutia (Negrobov, Logvinovskii, 1976, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Hercostomus fugax* (Loew, 1857) – Russia (Lundstrom, Frey, 1913), Arkhangelsk reg. (Stackelberg, 1934), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c, 1968 b, Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Altai (Grichanov, 2007b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Hercostomus fuscipennis* (Meigen, 1824) – Russia (Parent, 1938), Khabarovsk territory (Negrobov, Rodionova, 2004 b), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), Rossov reg. (Grichanov, 2012 c), *Hercostomus germanus* (Wiedemann, 1817) – Volga River basin (Eversmann, 1834), Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962, Stackelberg, 1934), Buryatia, Yakutsk (Negrobov, Rodionova, 2004 b), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), *Hercostomus grandicercus* Negrobov et Nechay, 2009 – Adygea (Negrobov, Nechay, 2009), *Hercostomus inornatus* (Loew, 1857) – Russia (Parent, 1938), *Hercostomus kedrovicus* Negrobov et Logvi-

novskij 1977 – Primorye (Negrobov, Logvinovskii, 1977, Negrobov, Neschaj, 2011), *Hercostomus longiventris* (Loew 1857) – North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), *Hercostomus metallicus* (Stannius, 1831) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962, Stackelberg, 1934), Voronezh reg. (Negrobov, 1967 a), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Hercostomus minutus* Negrobov et Logvinovskij, 1977 – Primorye (Negrobov, Logvinovskii, 1977), *Hercostomus nemorum* Smirnov et Negrobov 1977 – Primorye (Smirnov, Negrobov, 1977), *Hercostomus nigrilamellatus* (Macquart, 1827) – North Caucasus (Negrobov, Rodionova, 2004b), *Hercostomus nigripennis* (Fallen, 1823) – Ural (Eversmann, 1834), *Hercostomus nigriplantis* (Stannius, 1831) – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Mordovia (Negrobov, Golubcova, 1983), Kursk reg. (Grichanov, 2007 a), Ryazan reg. (Negrobov, Pogonin, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Hercostomus parviamellatus* (Macquart, 1827) – Russia (Parent, 1938), *Hercostomus praeceps* Loew, 1869 – Leningrad reg. (Stackelberg, 1962), Burjatia (Negrobov, Rodionova, 2004b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Hercostomus pseudoceler* Stackelberg, 1954 – Primorye (Stackelberg, 1934), Kuril Isl. (Negrobov, Rodionova, 2004b), *Hercostomus pterostichoides* Stackelberg, 1934 – Primorye (Stackelberg, 1934), *Hercostomus radialis* Stackelberg, 1934 – Primorye (Stackelberg, 1934), *Hercostomus rivulorum* Stackelberg, 1934 – Primorye (Stackelberg, 1934), *Hercostomus rohdendorfi* Stackelberg, 1934 – Primorye (Stackelberg, 1934), Yakutia (Chalaya, Negrobov 1989), Far East (Negrobov, Rodionova, 2004 b), Khabarovsk Territory (Grichanov, 2006 a), *Hercostomus rothi* (Zetterstedt, 1859) – Vologda reg. (Grichanov, 2006b), *Hercostomus rusticus* (Meigen, 1824) – Primorye (Stackelberg, 1934), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Kursk reg., Ural, Krasnoyarsk Territory (Chalaya, Negrobov 1989, Pogonin, Negrobov, 2008), Leningrad reg., Sayan Mountains, Amur. reg. (Negrobov, Rodionova, 2004b), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Yakutia (Grichanov, Bagachanova, 2006), Altai (Grichanov, 2007b), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Dagestan (Grichanov, 2012 c), *Hercostomus sahlbergi* (Zetterstedt, 1838) – Murmansk reg. (Frey, 1915, Negrobov, 1974), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Primorye (Negrobov, 1968 b), Bashkiria (Chalaya, Negrobov 1989), Ural (Grichanov, 1998), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Adygea (Grichanov, Volfov, Kustov, 2006, 2009), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Dagestan (Grichanov, 2012), *Hercostomus stroblianus* Becker, 1917 – Russia (Becker, 1917), Krasnodar Territory (Negrobov, 1991), Grichanov, Kustov, Volfov, 2006), *Hercostomus sviridovae* Negrobov et Tshalaja 1987 – Primorye (Negrobov, Chalaya, 1987), *Hercostomus udeorum* Stackelberg, 1934 – Primorye (Stackelberg, 1934), Altai (Chalaya, Negrobov, 1989), Amur reg. (Grichanov, 1998), *Hercostomus udovenkoviae* Negrobov et Logvinovskij, 1977 – Primorye (Negrobov, Logvinovskii, 1977), *Hercostomus ussurianus* Stackelberg 1934 – Primorye (Stackelberg, 1934), Khabarovsk Territory (Grichanov, 1998), Far East (Negrobov, Rodionova, 2004 b), Khabarovsk Territory (Grichanov, 2006 a), *Hercostomus varicoloris* Becker, 1917 – "Kaukasus, Ost-

kuste des Schwarzen Meeres" (Becker 1917), Stavropol reg. (Stackelberg, 1941), North Caucasus (Negrobov, 1965 a, 1967 c, 1970, Grichanov, Volfov, Kustov, 2006, 2007), Adygea (Grichanov, Volfov, Kustov, 2009, Grichanov, 2012 c), *Hercostomus vivax* (Loew, 1857) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Kursk reg., Altai, Ural, Yakutia (Chalaya, Negrobov, 1989), Yakutia (Negrobov, Chalaya, 1991), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006), Altai (Grichanov, 2007 b), *Hercostomus zieheni* Parent, 1929 – Amur reg. (Parent, 1929, Selivanova, Negrobov, Maslov, 2008).

Hydroporus Fallen, 1823.

Hydroporus albiceps Frey, 1915 – Murmansk reg. (Frey, 1915, Negrobov, 1974), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Kola Peninsula (Negrobov, 1975 c), Siberia (Negrobov, 1977 a), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Hydroporus alpinus* Wahlberg, 1844 – Archangelsk reg. (Lundstrom, Frey, 1913, Negrobov, 1977 a), Yakutia, mouth of Lena river (Frey, 1915), Murmansk reg. (Negrobov, 1974), Ural (Becker, 1915, 1923), Kola Peninsula (Negrobov, 1975 c, Negrobov, 1975 b), Chukchi AD (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Murmansk reg., Leningrad reg., Arkhangelsk reg., Nenetski, Chukchi and Yamal-Nenets autonomous region (Maslova, Negrobov, Selivanova, 2012), *Hydroporus arcticus* Negrobov, 1977 – Chukchi autonomous region (Negrobov, 1977 a, Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), *Hydroporus baicalensis* Negrobov, 1977 – Baikal (Negrobov, 1977 e), *Hydroporus balticus* (Meigen, 1824) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Baikal (Negrobov, 1977 a), Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, Kustov, Volfov, 2006), Yakutia (Grichanov, Bagachanova, 2006), Adygea (Grichanov, Volfov, Kustov, 2009), *Hydroporus bipunctatus* (Lehmann, 1822) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Leningrad reg. (Porchinskij, 1874, Stackelberg, 1921, 1925, 1962,), Voronezh reg. (Negrobov, 1963, 1967 a), Moscow reg., Leningrad reg., Voronezh reg., Buryatia (Negrobov, 1975 c), Ural (Negrobov, 1977b), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Grichanov, Bagachanova, 2006), Kursk reg. (Grichanov, 2007 a), *Hydroporus borealis* Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962), Arkhangelsk reg., Sverdlovsk reg. (Negrobov, 1975 c), Ural (Negrobov, 1977 a), Murmansk reg. (Grichanov, 2004), *Hydroporus brunneifacies* Negrobov, 1977 – Altai (Negrobov, 1977 b, Grichanov, 2007 b), *Hydroporus brunnicosus* Loew, 1857 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1966 a, 1967 a), Yaroslav reg., Moscow reg., Ryazan reg., Voronezh reg., Ural, Krasnoyarsk Territory, Yakutia (Negrobov, 1975 c), Ural (Negrobov, 1977 a), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Hydroporus callostomus* Loew, 1857 – Leningrad reg., Yaroslavl reg., Voronezh reg., North Caucasus, Omsk reg., Transbaikalia (Negrobov, 1975 c), Ural (Negrobov, 1977 a), Yakutia (Grichanov, Bagachanova, 2006), *Hydroporus cinipunctus* Negrobov, 1975 – Kamchatka (Negrobov, 1975 a), Buryatia (Negrobov, 1975 c), Ural (Negrobov, 1977 a), Magadan reg. (Negrobov, Cha-

laya, 1991), *Hydrophorus femoratus* Parent, 1930 – Kamchatka (Parent, 1930), Siberia (Negrobov, 1975 c, Negrobov, 1977 a), *Hydrophorus freyi* Stora, 1954 – Buryatia, Khabarovsk Territory, Primorye (Negrobov, 1975 c), Siberia (Negrobov, 1977 a), *Hydrophorus geminus* Frey, 1915 – Murmansk reg. (Frey, 1915, Negrobov, 1974), Siberia (Negrobov, 1977 a), *Hydrophorus irinae* Negrobov, 1977 – Sverdlov reg. (Negrobov, 1977 g), Kamchatka (Negrobov, Chalaya, 1991), *Hydrophorus litoreus* Fallén, 1823 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1966 a, 1967 a), Murmansk reg. (Negrobov, 1974), Leningrad reg., Voronezh reg., Tyumen reg., Yakutia (Negrobov, 1975 c), Siberia (Negrobov, 1977 a), Mordovia (Negrobov, Golubcova, 1983), Krasnodar Territory (Negrobov, Duhanina, 1984), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Kamchatka (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), *Hydrophorus nebulosus* Fallen, 1823 – Siberia (Frey, 1915, Negrobov, 1977 a), Leningrad reg. (Stackelberg, 1925, 1962, Negrobov, 1975 c), *Hydrophorus nigrihalteratus* Parent, 1930 – Kamchatka (Parent, 1930, Negrobov, 1975 c, Negrobov, 1977 a), Magadan reg. (Negrobov, Chalaya, 1991), *Hydrophorus norvegicus* Ringdahl, 1928 – Kola Peninsula (Negrobov, 1975 c), Murmansk reg. (Negrobov, 1977 a), *Hydrophorus pectinatus* Gerstäcker, 1864 – Siberia (Frey, 1915, Negrobov, 1977 a), Leningrad reg. (Stackelberg, 1925, 1962), Tumen reg., Nenets autonomous region (Negrobov, 1975 c), North Caucasus (Grichanov, Volfov, Kustov, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Hydrophorus pilipes* Frey, 1915 – Murmansk reg. (Frey, 1915), Arkhangelsk reg. (Negrobov, 1977 a), *Hydrophorus ponojensis* Frey, 1915 – Murmansk reg. (Frey, 1915), *Hydrophorus praecox* (Lehmann, 1822) – Murmansk reg. (Frey, 1915, Negrobov, 1974), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Astrakhan reg., Khabarovsk Territory (Negrobov, 1975 c), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Astrakhan reg. (Grichanov, 2011), *Hydrophorus rasnitsyni* Negrobov, 1977 – Transbaikalia (Negrobov, 1977 e), *Hydrophorus rogenhoferi* Mik, 1874 – Siberia (Becker, 1915), *Hydrophorus rufibarbis* Gerstäcker, 1864 – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Kola Peninsula (Negrobov, 1975 c), Arkhangelsk reg. (Negrobov, 1977 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Hydrophorus signifer* Coquillet, 1899 (synonyms – *Hydrophorus magnicornis* Frey, 1915, *Hydrophorus kolensis* Parent, 1934) – Murmansk reg. (Frey, 1915, Negrobov, 1974), Kola Peninsula, Ural (Negrobov, 1975 c, Negrobov, 1977 a), Magadan reg. (Negrobov, Chalaya, 1991), Yakutia (Grichanov, Bagachanova, 2006), *Hydrophorus stercus* Negrobov et Golubtzov, 2005 – Magadan reg. (Negrobov, Golubtzov 2005), *Hydrophorus thibetanus* Becker, 1917 – Russia (Becker, 1917), Buryatia (Negrobov, 1977 a), Kamchatka (Negrobov, Chalaya, 1991), *Hydrophorus viridis* (Meigen, 1824) – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1972), Leningrad reg., Voronezh reg., Rostov reg., Tumen reg. (Negrobov, 1975 c, Negrobov, 1977 a), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Magadan reg. (Negrobov, Chalaya, 1991), Far East (Negrobov, Golubtzov, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Krasnodar Territory (Grichanov, 2012 c), *Hydrophorus wahlgreni* Frey, 1915 – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1972), Leningrad obл., Kamchatka (Negrobov, 1975 c), Mordovia (Negrobov, Golubcova, 1983), Murmansk reg. (Negrobov, 1977 a), Kamchatka (Negrobov, Chalaya, 1991).

Hypophylus Haliday, 1832.

Hypophylus crinipes (Staeger, 1842) – Voronezh reg. (Negrobov, 1965 c, 1966 a, 1972), *Hypophylus discipes* (Ahrens, 1817) – Russia (Parent, 1938), *Hypophylus obscurellus* Fallen, 1823 – Krasnodar Territory (Negrobov, 1965 b), North Caucasus (Negrobov, 1967 c, Grichanov, 1998).

Lamprochromus Mik, 1878

Lamprochromus bifasciatus (Macquart 1827) (synonym – *Lamprochromus elegans* (Meigen, 1930) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), *Lamprochromus buchtajarovi* Negrobov Chalaya, 1987 – Chuvashia (Negrobov, Chalaya, 1988), *Lamprochrosus speciosus* Loew, 1871 – North Caucasus (Grichanov, Volfov, Kustov, 2007), *Lamprochromus strobli* (Parent, 1924) – Russia (Parent, 1938).

Liancalus Loew, 1857

Liancalus virens (Scopoli, 1763) – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c).

Ludovicius Rondani, 1843.

Ludovicius transcaucasicus Stackelberg, 1941 – North Caucasus (Stackelberg, 1941, Negrobov, 1965 a, 1967 c, 1966).

Machaerium Haliday, 1832.

Machaerium maritimae Haliday, 1832 – Russia (Parent, 1938).

Medetera Fischer von Waldheim, 1819.

Medetera abstrusa Thuneberg, 1955 – Voronezh reg. (Negrobov, 1966 a), Leningrad reg., Voronezh reg., Krasnodar Territory, Novosibirsk reg. (Negrobov, 1971 a), Siberia (Bogdanova, 1975), Mordovia (Negrobov, Golubcova, 1983), *Medetera acanthura* Negrobov & Thuneberg, 1970 – Leningrad reg., Perm reg. (Negrobov, Thuneberg, 1970), Murmansk reg. (Negrobov, Stackelberg, 1972), *Medetera acuta* Negrobov, 1966 – Leningrad reg. (Negrobov, 1966), *Medetera adjaniae* Gosseries 1988 (synonym – *Medetera breviseta* Parent, 1927) – Perm reg. (Negrobov, Stackelberg, 1972), Arkhangelsk reg. (Negrobov, 1971 a), *Medetera alexandri* Negrobov, 1979 – Kuril Islands (Negrobov, 1979 a), *Medetera ambigua* (Zetterstedt, 1843) – Russia (Kowarz, 1877), Krasnoyarsk reg. (Shirskaiia, 1961), Siberia (Bogdanova, 1975), Leningrad reg. (Stackelberg, 1925, 1962, Gusev, 1928), Voronezh reg. (Negrobov, 1965 c, 1967 a), Primorye (Negrobov, Stackelberg, 1972), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Medetera apicalis* (Zetterstedt, 1843) – Murmansk reg. (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962, Gusev, 1928, Zinovev, 1957), North Caucasus (Negrobov, Stackelberg, 1972), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Vologda reg. (Grichanov, 2006 b), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera asiatica* Negrobov et Zaitzev, 1979 – Tuva (Negrobov et Zaitzev 1979), *Medetera baicalica* Negrobov, 1972 – Baikal (Negrobov, Stackelberg, 1972, Negrobov, 1972), *Medetera bargusinica* Negrobov, 1972 – Buryatia (Negrobov, Stackelberg, 1972), Yakutia (Grichanov, Bagachanova, 2006), *Medetera belgica* Parent, 1936 – Murmansk reg. (Negrobov, 1971 a, Negrobov, Stackelberg, 1972, Negrobov, 1974), *Medetera betulae* Ringdahl, 1949 – Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Medetera bidentata* Negrobov et Golubtzov, 1991 – Primorye (Negrobov, Golubcov, 1993), *Medetera bilineata* Frey, 1915 – Murmansk reg. (Frey, 1915, Frey, Lundsrom, 1913), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, 1967 a), Murmansk reg. (Negrobov, Stackelberg, 1972), Mordovia (Negrobov, Golubcova, 1983), Yakutia (Negrobov, Chalaya, 1991),

Medetera bisecta Negrobov, 1967 – North Caucasus, Voronezh reg. (Negrobov, 1967 b, Negrobov, Stackelberg, 1972), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera bispinosa* Negrobov, 1967 – Voronezh reg. (Negrobov, 1967 b), North Caucasus (Negrobov, Stackelberg, 1972), *Medetera borealis* Thuneberg, 1955 – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), Primorye (Negrobov, Stackelberg, 1972), Murmansk reg. (Negrobov, 1974), Yakutia (Negrobov, Chalaya, 1991), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera collarti* Negrobov, 1967 – North Caucasus (Negrobov, 1967 b), *Medetera capillata* Negrobov, 1972 – Primorye (Negrobov, Stackelberg, 1972), *Medetera complicata* Negrobov, 1967 – Perm reg. (Negrobov, 1967 b, Negrobov, Stackelberg, 1972), *Medetera delita* Negrobov, 1972 – Primorye (Negrobov, Stackelberg, 1972), *Medetera diadema* (Linnaeus, 1767) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962, Porchinskij, 1874), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984, 2008), Adygea (Grichanov, Volfov, Kustov, 2006, 2009), Altai (Grichanov, 2007 b), Kursk reg. (Grichanov, 2007 a), North Ossetia (Grichanov, 2012 c), *Medetera dichrocerata* Kowarz, 1877 – Leningrad reg. (Stackelberg, 1962, Zinovev, 1957), Arkhangelsk reg. (Prjahina, Ogibin, 1970, Negrobov, Stackelberg, 1972), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera educata* Negrobov, 1979 – Primorye (Negrobov, 1979 b), *Medetera excellens* Frey, 1909 – Leningrad reg. (Stackelberg, 1962, Zinovev, 1957, Negrobov, 1967 b), Primorye (Negrobov, Stackelberg, 1972, 1974 b), *Medetera fasciata* Frey, 1915 – Leningrad reg. (Zinovev, 1957, Negrobov, Stackelberg, 1972), *Medetera fascinator* Negrobov, 1972 – Ussuriisk reg. (Negrobov, Stackelberg, 1972), *Medetera feminina* Negrobov, 1967 – Voronezh reg., Rostov reg., Novgorod reg., North Caucasus (Negrobov, 1967 b), Voronezh reg. (Negrobov, 1972, Negrobov, Stackelberg, 1972), *Medetera fissa* Negrobov, 1972 – Ussuriisk reg. (Negrobov et Stackelberg, 1972), *Medetera flavipes* Meigen, 1824 – North Caucasus (Grichanov, Volfov, Kustov, 2006), *Medetera freyi* Thuneberg, 1955 – Leningrad reg. (Stackelberg, 1962, Negrobov, Stackelberg, 1972), *Medetera fumida* Negrobov, 1967 – Leningrad reg. (Negrobov, 1967 b), Arkhangelsk reg. (Prjahina, Ogibin, 1970, Negrobov, Stackelberg, 1972), *Medetera glaucella* Kowarz, 1877 – Russia (Parent, 1938), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Medetera gracilicauda* Parent, 1927 – North Caucasus (Grichanov, Volfov, Kustov, 2007), *Medetera hymera* Negrobov, 1974 – Amur reg. (Negrobov, 1972, Negrobov, Stackelberg, 1974 a), *Medetera impigra* Collin, 1941 – Novosibirsk reg., Sayan Mountains (Negrobov, 1971 a), Krasnodar Territory (Negrobov, Stackelberg, 1974 a), Siberia (Bogdanova, 1975), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Medetera incanus* Negrobov, 1967 – Leningrad reg. (Negrobov, 1967 b), *Medetera incisa* Negrobov, 1974 – Primorye (Negrobov, Stackelberg, 1974 a), *Medetera incrassata* Frey, 1909 – Leningrad reg. (Stackelberg, 1925, 1962, Negrobov, Stackelberg, 1974 a), *Medetera infumata* Loew, 1857 – Moscow reg. (Nikitjuk, 1951, 1957), Siberia (Frey, 1915, Tarasova, 1968, Kolomie, Bogdanova, 1973, Bogdanova, 1974, 1975), Russia (Kowarz, 1877, Frey, 1918), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962, Gusev, 1928, Zinovev, 1957), Krasnoyarsk reg. (Shirskaja, 1961), Voronezh reg. (Negrobov, 1965 c), Primorye (Negrobov, Stackelberg, 1974 a), Ryazan reg. (Negrobov, Pogonin, 1984), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera infuscata* Negrobov, 1974 – Primorye (Negrobov, Stackelberg, 1974 a), *Medetera inspissata* Collin, 1952 – Krasnodar Territory (Negrobov, Stackelberg, 1974 a), *Medetera*

jacula (Fallén, 1823) – Moscow reg. (Fedtchenko A., 1968, Fedtchenko B., 1892), Siberia (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1921, 1925, 1962, Gusev, 1928, Zinovev, 1957), Voronezh reg. (1963, 1965 c, 1966 a, 1967 a), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Sayan Mountains (Negrobov, 1985, Negrobov, Selivanova, Maslova, 2010), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Vologda reg. (Grichanov, 2006 b), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Altai (Grichanov, 2007 b), Kursk reg. (Grichanov, 2007 a), Kaluga reg. (Grichanov, 2010 b), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera jacuta* Negrobov, 1972 – Yakutia (Negrobov, Stackelberg, 1974 a, Grichanov, Bagachanova, 2006), *Medetera jugalis* Collin, 1941 – Baikal (Negrobov, 1971 a, Negrobov, Stackelberg, 1974 a), *Medetera kerzhneri* Negrobov 1966 (Kasachstan) – Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera kriosheinae* Negrobov, 1968 – Yaroslav reg. (Negrobov, 1968 c, Negrobov, Stackelberg, 1974 a), *Medetera lamprostomoides* Negrobov, 1974 – Yakutia (Negrobov, Stackelberg, 1974 a, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), *Medetera longicauda* Becker, 1917 – Russia (Becker, 1917), Voronezh reg. (Negrobov, 1971 a, 1972, Negrobov, Stackelberg, 1974 a, Negrobov, 1977 g), *Medetera lorea* Negrobov, 1967 – Voronezh reg. (Negrobov, 1967 b, Negrobov, Stackelberg, 1974 a), *Medetera melancholica* Lundbeck, 1912 – Arkhangelsk reg. (Prjahina, Ogibin, 1970), Siberia (Tarasova, 1965, 1968, Kolominets, Bogdanova, 1973, Bogdanova, 1974, 1975), Leningrad reg. (Stackelberg, 1925, 1962, Zinovev, 1957), Murmansk reg. (Negrobov, 1974, Negrobov, Stackelberg, 1974 a), *Medetera meridionalis* Negrobov, 1967 – Voronezh reg., Rostov reg., Krasnodar territory, Volograd reg., Penza reg., Adygea, Orenburg reg., Altai (Negrobov, 1967 b, 1972), East Siberia (Negrobov, Stackelberg, 1974 a), *Medetera micacea* Loew, 1857 – Russia (Kowarz, 1877), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1965 c, 1967 a), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Adygea (Grichanov, Volfov, Kustov, 2009), *Medetera mixta* Negrobov, 1967 – Lipetsk reg., Voronezh reg., Bashkiria, North Caucasus (Negrobov, 1968 a, Grichanov, Volfov, Kustov, 2006), Voronezh reg. (Negrobov, 1972), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), *Medetera mucronata* Negrobov et Golubtzov, 1991 – Primorye (Negrobov, Golubcov, 1993), *Medetera muralis* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 b, Negrobov, Stackelberg, 1974 a, Grichanov, Volfov, Kustov, 2007), Krasnodar Territory (Negrobov, Stackelberg, 1974 b, Grichanov, 2012 c), Adygea (Grichanov, Volfov, Kustov, 2009), *Medetera murina* Becker, 1917 – Russia (Becker, 1917), North Caucasus (Negrobov, Stackelberg, 1974 a), *Medetera nebulosa* Negrobov, 1974 – Primorye (Negrobov, Stackelberg, 1974 a), *Medetera nitida* (Macquart, 1834) – Arkhangelsk reg. (Prjahina, Ogibin, 1970), Leningrad reg. (Stackelberg, 1925, 1962, Zinovev, 1957), Primorye, Ural (Negrobov, Stackelberg, 1974 a), *Medetera obscura* (Zetterstedt, 1838) – Siberia (Frey, 1915, Negrobov, Stackelberg, 1974 a, Bogdanova, 1974, 1975), Leningrad reg. (Stackelberg, 1925, 1962, Zinovev, 1957), Murmansk reg. (Negrobov, 1974), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera pallens* Negrobov, 1967 – Krasnodar Territory, North Caucasus (Negrobov, 1967 b), North Caucasus (Negrobov, Stackelberg, 1974 b), Adygea (Grichanov, Kustov, Volfov, 2006), *Medetera pallidior* (Stackelberg, 1937) – Turkmenia (Stackelberg, 1937), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Medetera pallipes* (Zetterstedt, 1843) – Russia (Kowarz, 1877), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925,

1962, Gusev, 1928, Zinovev, 1957), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, Stackelberg, 1974 b), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnodar Territory (Grichanov, Volfov, Kustov, 2006), Stavropol Territory (Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Volfov, Kustov, 2009), *Medetera parenti* Stackelberg, 1925 – Leningrad reg. (Stackelberg, 1925, 1962), Baikal (Parent, 1927), Voronezh reg. (Negrobov, 1967 a), North Caucasus (Negrobov, Stackelberg, 1974 b), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Medetera peloria* Negrobov, 1967 – North Caucasus (Negrobov, 1967), *Medetera penicillata* Negrobov, 1970 – Primorye (Negrobov, 1970 a), *Medetera perfida* Parent, 1932 – North Caucasus (Negrobov, Stackelberg, 1974 b), Adygea (Grichanov, Volfov, Kustov, 2009), *Medetera petrophiloides* Parent, 1925– Rostov обл., Voronezh reg. (Negrobov, 1965 b), Voronezh reg. (Negrobov, 1972, Negrobov, Stackelberg, 1974 b), Krasnodar Territory (Negrobov, Duhanina, 1984), *Medetera pinicola* Kowarz, 1877 – Leningrad reg. (Stackelberg, 1925, 1962, Gusev, 1928, Zinovev, 1957), Krasnoyarsk reg. (Shirskaya, 1961), Voronezh reg. (Negrobov, 1963, 1963, 1967 a), Arkhangelsk reg. (Prjahina, Ogibin, 1970), Siberia (Tarasova, 1968, Kolomiec, Bogdanova, 1973, 1974, Negrobov, Stackelberg, 1974 b, Bogdanova, 1975), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera plumbella* Meigen, 1824 – Voronezh reg. (Negrobov, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Medetera prijachinae* Negrobov, 1974 – Arkhangelsk reg. (Negrobov, Stackelberg, 1974 b), *Medetera protuberans* Negrobov, 1967 – Leningrad reg. (Negrobov, 1967 b, Negrobov, Stackelberg, 1974 b), *Medetera pseudoaapicalis* Thuneberg, 1955 – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), North Caucasus (Negrobov, Stackelberg, 1974 b), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera raviga* Negrobov, 1970 – Primorye (Negrobov, 1970 a), *Medetera relicta* Negrobov, 1967 – North Caucasus, Lipetsk reg., Voronezh reg., North Caucasus, Adygea (Negrobov, 1967 b), Voronezh reg. (Negrobov, 1972), Lipetsk reg. (Negrobov, Stackelberg, 1974 b), Krasnodar Territory (Grichanov, 2012 c), *Medetera rufipes* Negrobov, 1974 – Primorye (Negrobov, Stackelberg, 1974 b), *Medetera seguyi sphaeroidea* Negrobov, 1967 – North Caucasus (Negrobov, 1967 b, Negrobov, Stackelberg, 1974 b), Adygea (Grichanov, Volfov, Kustov, 2009), *Medetera senicula* Kowarz, 1877 – Leningrad reg. (Stackelberg, 1925, 1962, Negrobov, Stackelberg, 1974 b), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Medetera sibirica* Negrobov 1974 Khanty-Mansi autonomous region (Grichanov, 2010 a), *Medetera setiventris* Thuneberg, 1955 – Novosibirsk reg. (Negrobov, Stackelberg, 1974 b), Leningrad reg. (Stackelberg, 1962), Siberia (Bogdanova, 1975), *Medetera signatocornis* Loew, 1857 – Arkhangelsk reg. (Frey, 1918, Prjahina, Ogibin, 1970), Murmansk reg. (Frey, Lundsrom, 1913), Leningrad reg. (Stackelberg, 1925, 1962, Gusev, 1928, Zinovev, 1957, 1958), Krasnoyarsk reg. (Shirskaya, 1961), Novorossisk reg., Tuva, North Caucasus (Negrobov, 1970 b), Primorye (Negrobov, Stackelberg, 1974 b), Siberia (Bogdanova, 1975), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Medetera sphaeropyga* Negrobov 1972 – Ussuriisk reg. (Negrobov, 1972), Primorye (Negrobov, Stackelberg, 1974 b), *Medetera spinulicauda* Negrobov, 1974 – Amur reg. (Negrobov, Stackelberg, 1974 b), *Medetera stackelbergiana* Negrobov, 1967 – Voronezh reg. (Negrobov, 1967 b), Primorye (Negrobov, Stackelberg, 1974 b), *Medetera striata* Parent, 1927 – Voronezh reg., Novosibirsk reg., North Caucasus, Murmansk reg. (Negrobov, 1971 a), Voronezh reg. (Negrobov, 1972), Murmansk reg. (Negrobov, Stackelberg, 1974b, Negrobov, 1974), *Medetera stylata* Negrobov, 1974 – Primorye

(Negrobov, Stackelberg, 1974 b), *Medetera substristis* Negrobov, 1974 – Novosibirsk reg., Baikal, Buryatia (Negrobov, Stackelberg, 1974 b), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera sutshanica* Negrobov, 1972 – Ussuriisk reg. (Negrobov, 1972), Primorye (Negrobov, Stackelberg, 1974 b), *Medetera tarasovae* Negrobov, 1972 – Novosibirsk reg. (Negrobov, 1972), Novosibirsk reg., Amur reg. (Negrobov, Stackelberg, 1974 b), *Medetera tenuicauda* Loew, 1857 – Russia (Kowarz, 1877), Voronezh reg. (Negrobov, 1971 a, Negrobov, 1972), Rostov reg. (Negrobov, Stackelberg, 1974 b), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), *Medetera tristis* (Zetterstedt, 1840) – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962, Zinovev, 1957), Primorye (Negrobov, 1977 a), *Medetera truncorum* Meigen, 1824 – Russia (Kowarz, 1877), North Caucasus (Negrobov, 1967 c, Negrobov, 1977 a, Grichanov, Volfov, Kustov, 2006), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), Yakutia (Grichanov, Bagachanova, 2006, Grichanov, Tomkovich, 2009), *Medetera thunebergi* Negrobov, 1967 – Leningrad reg., Nizhni Novgorod reg., Orenburg reg., Novosibirsk reg., Amur reg. (Negrobov, 1967), *Medetera tuterculosa* Negrobov, 1977 – Primorye (Negrobov, 1977 a), *Medetera tumidula* Negrobov, 1967 – North Caucasus, Adygea (Negrobov, 1967 b), North Caucasus (Negrobov, 1977 a), *Medetera ussuriana* Negrobov, 1977 – Primorye (Negrobov, 1977 b), *Medetera vagans* Becker, 1917 – Russia (Becker, 1917), Leningrad reg. (Negrobov, 1971 a), Murmansk reg. (Negrobov, 1974), Primorye (Negrobov, 1977b), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Medetera veles* Loew, 1861 – Yakutia (Grichanov, Bagachanova, 2006), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Medetera victoris* Negrobov 1972 – Ussuriisk reg. (Negrobov, 1972), Primorye (Negrobov, 1977b), *Medetera virescens* Negrobov, 1965 – Leningrad reg. (Negrobov, 1967 b), *Medetera zinovjevi* Negrobov, 1967 – Arkhangelsk reg. (Prjahina, Ogibin, 1970), Perm reg. (Negrobov, 1967 b), Primorye (Negrobov, 1977 a).

***Melanostolus* Kowarz, 1884.**

Melanostolus melanocholicus (Loew, 1869) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Melanostolus nigricilius* (Loew, 1871) – Russia (Parent, 1938), Yakutia (Grichanov, Bagachanova, 2006), *Melanostolus tatianae* Negrobov, 1965 – North Caucasus (Negrobov, 1965 a, 1967 c), Krasnodar Territory (Negrobov, 1965 b), Krasnodar Territory, North Caucasus, Adygea (Negrobov, 1965).

***Mesorhaga* Schiner, 1868.**

Mesorhaga dimi Negrobov, 1984 – Kuril Islands (Negrobov, 1984), *Mesorhaga pilosa* Negrobov, 1979 – Primorye (Negrobov, 1979 b).

***Micromorphus* Mik, 1878.**

Micromorphus albipes albipes (Zetterstedt, 1843) – Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), *Micromorphus albipes claripennis* (Strobl, 1899) – Leningrad reg. (Stackelberg, 1962), *Micromorphus amurensis* Negrobov, 2000 – Amur reg. (Negrobov, 2000), *Micromorphus jakutensis* Negrobov, 2000 – Yakutia (Negrobov, 2000, Grichanov, Bagachanova, 2006), *Micromorphus shamshevi* Negrobov, 2000 – North Caucasus (Grichanov, Volfov, Kustov, 2006).

***Nematoprotus* Loew, 1857.**

Nematoprotus daubichensis Stackelberg et Negrobov, 1976 – Primorye (Stackelberg, Negrobov, 1976), *Nematoprotus distendens* (Meigen, 1824) – Russia (Parent,

1938), Leningrad reg. (Stackelberg, 1962, Stackelberg, Negrobov, 1976), *Nematoprotus longifilus* Loew, 1857 – Russia (Parent, 1938), Voronezh reg. (Negrobov, 1977 g), *Nematoprotus praesectus* Loew, 1869 – Leningrad reg. (Stackelberg, 1925, 1962, Stackelberg, Negrobov, 1976), Kursk reg. (Grichanov, 2007 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008).

Nepallomyia Hollis, 1964

Nepallomyia (Neurigonella) tatjanae Negrobov, 1984 – Primorye (Negrobov, 1984).

Neurigona Rondani, 1856.

Neurigona abdominalis (Fallén, 1823) – Leningrad reg. (Stackelberg, 1925, 1962), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), *Neurigona anomaloptera* Negrobov, 1987 – Kuril Islands (Negrobov, 1987), *Neurigona davshinica* Negrobov, 1987 – Buryatia (Negrobov, 1987), *Neurigona erichsoni* (Zetterstedt, 1843) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, 2012 c), North Caucasus (Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Volfov, Kustov, 2009), *Neurigona febrilata* Negrobov et Fursov, 1988 – Krasnodar Territory (Negrobov, Fursov, 1988), *Neurigona flavella* Negrobov, 1987 – Primorye (Negrobov, 1987), *Neurigona grossa* Negrobov, 1987 – Primorye (Negrobov, 1987), *Neurigona helva* Negrobov et Zurikov, 1990 – Krasnodar Territory, North Caucasus (Negrobov, Tsurikov, 1990), *Neurigona kasparyani* Negrobov, 1987 – Sakhalin (Negrobov, 1987), *Neurigona lineata* (Oldenberg, 1904) – Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Neurigona longipes* (Becker, 1918) – Russia (Becker, 1918), *Neurigona micropyga* Negrobov, 1987 – Kuril Islands (Negrobov, 1987), *Neurigona ninae* Negrobov, 1987 – Primorye (Negrobov, 1987), *Neurigona pallida* (Fallén, 1823) – Orenburg reg. (Becker, 1917, Wnukowsky, 1932, 1936), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1972), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Khanty-Mansi autonomous region (Grichanov, 2010 a), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Rostov reg. (Grichanov, 2012 c), *Neurigona pseudolongipes* Negrobov, 1987 – Krasnodar Territory (Negrobov, 1987), *Neurigona pullata* Negrobov, 1988 – Primorye (Negrobov, Fursov, 1988), *Neurigona quadrifasciata* (Fabricius, 1781) – Moscow reg. (Fedtchenko A., 1868), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Neurigona semilata* Negrobov et Fursov, 1988 – Krasnodar Territory, North Caucasus (Negrobov, Fursov, 1988), *Neurigona subciliipes* Negrobov, 1988 – North Caucasus (Negrobov, Fursov, 1988, Grichanov, Volfov, Kustov, 2006), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Adygea (Grichanov, Volfov, Kustov, 2009), *Neurigona suturalis* (Fallén, 1823) – Leningrad reg. (Stackelberg, 1925, 1962), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), *Neurigona uralensis* (Becker, 1918) – Ural (Becker, 1918), *Neurigona verrichterae* Negrobov et Fursov, 1988 – North Caucasus (Negrobov, Fursov, 1988, Grichanov, Volfov, Kustov, 2007), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006).

Orthoceratum Schrank, 1803.

Orthoceratum lacustre (Scopoli, 1763) – North Caucasus (Grichanov, Volfov, Kustov, 2007).

Paraclius Bigot, 1859.

Paraclius argenteus Negrobov, 1984 – Primorye (Negrobov, 1984).

Peloropeodes Wheeler, 1890.

Peloropeodes acuticornis (Oldenberg, 1916) – Krasnodar Territory (Negrobov, Duhanina, 1984), North Caucasus (Grichanov, Popov, 2007).

Peodes Loew, 1857.

Peodes forcipatus Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Ural, North Caucasus (Grichanov, 2012), *Peodes petsamoensis* Frey, 1930 – Russia (Frey, 1930), Murmansk reg. (Grichanov, 2012), *Peodes yeniseiensis* Grichanov, 2012 – Krasnoyarsk Territory (Grichanov, 2012 d).

Poecilobothrus Mik, 1878.

Poecilobothrus basilicus (Loew, 1869) – North Caucasus (Grichanov, Volfov, Kustov, 2007), *Poecilobothrus bigoti* Mik, 1883 – Krasnodar Territory (Negrobov, 1965 b), North Caucasus (Negrobov, 1967 c), *Poecilobothrus comitialis* (Kowarz, 1867) – Russia (Parent, 1938), Voronezh reg. (Negrobov, 1965 c, 1966 a, 1972, Negrobov, 1977 g), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), *Poecilobothrus ducalis* (Loew, 1857) – Vologda reg. (Grichanov, 2006 b), *Poecilobothrus fumipennis* (Stannius, 1831) – Adygea (Negrobov, 1965 b), North Caucasus (Negrobov, 1967 c), Voronezh reg. (Negrobov, 1977 g), Krasnodar Territory (Negrobov, Korneev, 2010), *Poecilobothrus infuscatus* (Stannius, 1767) – Krasnodar Territory (Negrobov, Duhanina, 1984), *Poecilobothrus regalis* (Meigen, 1824) – Russia (Parent, 1938), Voronezh reg. (Negrobov, 1965 c, 1972, Negrobov, Korneev, 2010), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Krasnodar Territory (Grichanov, Volfov, Kustov, 2006).

Pseudoxanthochlorus Negrobov, 1977.

Pseudoxanthochlorus micropygus Negrobov, 1977 – Primorye (Negrobov, 1977 e).

Rhaphium Meigen, 1803.

Rhaphium albifrons Zetterstedt, 1843 – Leningrad reg. (Stackelberg, 1962), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Mordovia, Krasnoyarsk Territory, Altai, Irkutsk reg., Khabarovsk Territory, Primorye (Maslova, Negrobov, Selivanova, 2012), *Rhaphium albomaculatum* Beck, 1891 – North Caucasus (Negrobov, 1965), *Rhaphium antennatum* Carlier, 1835 – Moscow reg. (Fedtchenko A., 1868), Murmansk reg. (Lundsrom, Frey, 1913, Frey, 1915,), Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), Mordovia (Negrobov, Golubcova, 1983), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006), Astrakhan reg. (Grichanov, 2011), *Rhaphium appendiculatum* Zetterstedt, 1849 (synonym – *Rhaphium macrocerum* Meigen, 1824) – Moscow reg. (Fedtchenko A., 1868), Krasnodar Territory (Negrobov, Duhanina, 1984), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), *Rhaphium basale* Loew, 1850 – Yakutia (Negrobov, 1976 b, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), *Rhaphium beringense* Negrobov, 1979 – Altai (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium boreale* Van Duzee, 1923 – Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Altai (Grichanov, 2007 b), *Rhaphium borisovi* Negrobov, Barkalov & Selivanova, 2012 – Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium brooksi* Negrobov, Barkalov et Selivanova, 2011 – Magadan

reg. (Negrobov, Barkalov, Selivanova, 2011), *Rhaphium caliginosum* Meigen, 1824 (synonym – *Rhaphium zetterstedti* Parent, 1925) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915), Russia (Parent, 1918, Parent, 1938), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), Voronezh reg. (Negrobov, 1972), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), Adygea (Grichanov, Volfov, Kustov, 2006, 2009), Kursk reg. (Grichanov, 2007 a), *Rhaphium commune* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Russia (Lundstrom, Frey, 1913), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Voronezh reg. (Negrobov, 1972), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Yakutia (Grichanov, Bagachanova, 2006), *Rhaphium confine* Zetterstedt, 1843 – Murmansk reg. (Frey, 1915), Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium crassipes* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Lundstrom, Frey, 1913, Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Kamchatka (Parent, 1930), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Yakutia (Negrobov, Chalaya, 1991), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Rhaphium dichromum* Negrobov, 1976 – Buryatia (Negrobov, 1976 a), Magadan reg. (Negrobov, Chalaya, 1991), Murmansk reg. (Grichanov, 2004), Altai (Grichanov, 2007 b), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Rhaphium discigera* Stenhammer, 1850 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1965 c), North Caucasus (Negrobov, 1967 c), *Rhaphium discolor* Zetterstedt 1838 (synonym – *Rhaphium riparium* Meigen, 1824) – Murmansk reg. (Frey, 1915, Negrobov, 1968 b, 1974), Leningrad reg. (Stackelberg, 1962), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium dispar* Coquillett, 1898 (synonym – *Rhaphium argyroides* Parent, 1926) – Primorye (Negrobov, 1977), Magadan reg. (Negrobov, Chalaya, 1991), *Rhaphium elegantulum* Meigen, 1824 – Murmansk reg. (Frey, 1915, Grichanov, 2004), Ural (Becker, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Kamchatka (Parent, 1930), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1972), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Negrobov, Chalaya, 1991), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Rhaphium essoensis* Negrobov, 1979 – Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium fasciatum* Meigen, 1824 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), *Rhaphium fascipes* Meigen, 1824 – Moscow reg. (Fedtchenko A., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Krasnoyarsk Territory (Negrobov, Pogonin, 2006, Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), *Rhaphium firsovi* Stackelberg et Negrobov, 1976 – Primorye (Negrobov, 1976 a), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium flavilabre* Negrobov, 1979 – Khabarovsk Territory (Grichanov, 1998), *Rhaphium glaciale* Ringdahl, 1920 – Krasnoyarsk Territory, Buryatia, Yakutia, Magadan reg. (Negrobov, 1976 b), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Magadan

reg. (Grichanov, 1998), Murmansk reg. (Grichanov, 2004), Khanty-Mansi autonomous region (Grichanov, 2010a), *Rhaphium gravipes* Haliday 1851 (synonym – *Rhaphium longilamellatum* Kowarz, 1867) – Leningrad reg. (Stackelberg, 1925, 1962), *Rhaphium gruniniani* Negrobov, 1979 – Altai (Grichanov, 2007 b), *Rhaphium gussakovskii* Stackelberg et Negrobov, 1976 – Primorye (Negrobov, 1976 a), *Rhaphium holmgreni* (Mik 1878) (synonym – *Rhaphium luteipennis* (Frey 1915)) – Siberia (Frey, 1915), *Rhaphium intermedium* Becker, 1918 – Leningrad reg. (Stackelberg, 1962), *Rhaphium jamalensis* Negrobov, 1986 – Ямал (Negrobov, 1986 a), Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium lanceolatum* Loew, 1850 – Murmansk reg. (Frey, Lundstrom, 1913), Vologda reg. (Grichanov, 2006 b), *Rhaphium laticorne* Fallén, 1823 (synonym – *Rhaphium subnudipes* Zetterstedt, 1859) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, Lundstrom, 1913), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c), Murmansk reg. (Negrobov, 1974), Mordovia (Negrobov, Golubcova, 1983), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Altai (Grichanov, 2007b), Krasnodar Territory (Grichanov, 2012 c), *Rhaphium latifacies* Negrobov, 1986 – Yakutia (Negrobov, 1986 a), *Rhaphium latimanum* Kahanpaa, 2007 – Khanty-Mansi autonomous region (Grichanov, 2010 a), Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium lehri* Negrobov, 1977 – Voronezh reg. (Negrobov, Shamshiev, 1982), *Rhaphium longicorne* (Fallen, 1823) – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1925), *Rhaphium macalpini* Negrobov, 1986 – Yakutia (Negrobov, 1986 a), *Rhaphium micans* Meigen, 1824 – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Negrobov, Korneev, 2010), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Khabarovsk Territory (Grichanov, 2006 a), Astrakhan reg. (Grichanov, 2011), *Rhaphium monotrichum* Loew, 1850 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1967 a), Mordovia (Negrobov, Golubcova, 1983), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2007), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Rhaphium nasutum* Fallén, 1823 – Moscow reg. (Fedtchenko A., 1868), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1972), Ryazan reg. (Negrobov, Pogonin, 1984), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium nigribarbatum* Becker, 1900 – Ural (Becker, 1915), Arkhangelsk reg. (Frey, 1918), Murmansk reg. (Frey, Lundstrom, 1913), Yakutia (Negrobov, Chalaya, 1991), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), Altai (Grichanov, 2007 b), Ryazan reg. (Negrobov, Pogonin, 2008), *Rhaphium nudiusculum* Negrobov, 1976 – Buryatia (Negrobov, 1976 a), Yakutia (Negrobov, Chalaya, 1991), *Rhaphium nuortevai* Negrobov, 1977 – Primorye (Negrobov, 1977 d), Jewish autonomous region (Grichanov, 1998), *Rhaphium patellitarse* Becker, 1900 – Ural (Becker, 1915), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium patulum* Raddatz, 1873 – Leningrad reg. (Stackelberg, 1921, 1925, 1962), Murmansk reg. (Grichanov, 2004), *Rhaphium pectinatum* (Loew, 1859) (synonym – *Porphyrops pectinata* Loew, 1859) – Voronezh reg. (Negrobov, 1965 c, 1966 a, 1972), North Caucasus (Negrobov, 1967 c), *Rhaphium penicillatum* Loew, 1850 – Siberia (Frey, 1915),

Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), Voronezh reg. (Negrobov, 1972), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium richterae* Negrobov, 1977 – Kuril Islands (Negrobov, 1977 d), *Rhaphium riparium* (Meigen 1824) (synonym – *Rhaphium praerosum* Loew, 1850) – Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), Voronezh reg. (Negrobov, 1972), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium rivale* Loew, 1869 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium sachalinense* Negrobov, 1979 – Yakutia (Negrobov, 1979 a), *Rhaphium sibiricus* Negrobov, Barkalov et Selivanova, 2011 – Altai (Negrobov, Barkalov et Selivanova, 2011), *Rhaphium sichotense* Negrobov, 1979 – Krasnoyarsk Territory (Negrobov, Pogonin, 2006), *Rhaphium stackelbergi* Negrobov, 1976 – Primorye (Negrobov, 1976 a), *Rhaphium suavis* Loew, 1859 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c), Voronezh reg. (Negrobov, 1972), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Rhaphium subridactylum* Negrobov, Barkalov et Selivanova, 2011 – Altai (Negrobov, Barkalov et Selivanova, 2011), *Rhaphium tibiale* (von Roser 1840) (synonym – *Rhaphium fractum* Loew, 1850) – Leningrad reg. (Stackelberg, 1925, 1962), *Rhaphium trifidum* Becker, 1918 – Baikal (Negrobov, 1976 c), *Rhaphium tridactylum* Frey, 1915 – Khabarovsk Territory (Negrobov, 1977 b), Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium tripartitum* Frey, in Lundstrom, Frey, 1913 – Murmansk reg. (Frey, Lundsrom, 1913), Kola Peninsula (Negrobov, 1977 b), Taimyr (Negrobov, Barkalov, Selivanova, 2012), *Rhaphium umbripenne* Frey, 1915 – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1962), Yakutia (Negrobov, Chalaya, 1991), Khanty-Mansi autonomous region (Grichanov, 2010 a), *Rhaphium venustum* Negrobov, 1977 – Primorye (Negrobov, 1977 d).

Scellus Loew, 1857.

Scellus alactaga Stackelberg, 1951 – Yakutia, Chita reg. (Stackelberg 1951 b), Yakutia (Grichanov, Bagachanova, 2006), *Scellus gallicanus* Becker, 1909 – Yakutia (Stackelberg 1951 b, Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006), Negrobov, Selivanova, Maslova, 2010), Altai (Grichanov, 2007 b), *Scellus notatus* (Fabricius, 1781) – Ural (Becker, 1915), Arkhangelsk reg. (Frey, 1918), Russia (Parent, 1938), Siberia (Stackelberg 1951 b), North Caucasus (Grichanov, Volfov, Kustov, 2006), *Scellus obuchovae* Stackelberg, 1951 – Chkalovsk, Verkhnaya Dneprovka (Stackelberg, 1951), Voronezh reg. (Negrobov, 1963, 1965 c, Negrobov, 1977 g), *Scellus spinimanus* (Zeterstedt, 1843) – Siberia (Frey, 1915), Ural (Becker, 1915, Becker, 1923), Yakutia (Negrobov, Chalaya, 1991, Grichanov, Bagachanova, 2006).

Sciapus Zeller, 1842.

Sciapus albifrons Meigen, 1830 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1965 c, 1972), Ryazan reg. (Negrobov, Pogonin, 1984), Leningrad reg., Moscow reg., Voronezh reg., Novosibirsk reg. (Negrobov, Selivanova, 1994), Ryazan reg. (Negrobov, Pogonin, 2008), *Sciapus contristans* Wiedemann, 1817 – Moscow reg. (Fedtchenko A., 1868), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925), Leningrad reg., Novgorod reg., Moscow reg. (Negrobov, Selivanova, 1994), *Sciapus flavicinctus* Loew, 1857 – Krasnodar Territory (Shamshev, 1990, Grichanov, 2012c), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Sciapus frater* Parent, 1927 – North Caucasus (Negrobov, 1965 a, 1965 b), *Sciapus gracilipes* (Loew, 1871) – Voronezh reg. (Negrobov,

1965 b, 1965 c, 1966 a, 1972, Negrobov, Selivanova, 1994), *Sciapus incognitus* Negrobov et Shamshev, 1996 – Primorye (Negrobov, Shamshev, 1986b), *Sciapus lobipes* Meigen, 1824 – Leningrad reg. (Stackelberg, 1925, 1962), Leningrad reg., Moscow reg. (Negrobov, Selivanova, 1994), *Sciapus longulus* Fallén, 1823 – Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1963, 1972), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Leningrad reg., Moscow reg., Lipetsk reg., Voronezh reg. (Negrobov, Selivanova, 1994), Saratov reg. (Nechay, Negrobov, Volodenchenko, 2008), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), Kursk reg. (Grichanov, 2007 a), *Sciapus maritimus* Becker, 1918 – Leningrad reg. (Stackelberg, 1962), North Caucasus (Negrobov, 1967 c), Leningrad reg., North Caucasus, Krasnodar Territory (Negrobov, Selivanova, 1994), *Sciopus nervosus* Lehmann, 1822 – Leningrad reg. (Stackelberg, 1925, 1962), Leningrad reg., Moscow reg., Ural, Primorye (Negrobov, Selivanova, 1994), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Irkutsk reg. (Maslova, Negrobov, Selivanova, 2010), *Sciapus paradoxus paradoxus* Negrobov et Shamshev, 1986 – Primorye (Negrobov, Shamshev, 1986 b), *Sciopus paradoxus sachalinensis* Negrobov et Shamshev, 1986 – Yakutia (Negrobov, Shamshev, 1986 b), *Sciapus platypterus* Fabricius, 1805 – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1965 c, 1967 a, Negrobov, Selivanova, 1994), Ryazan reg. (Negrobov, Pogonin, 1984), Leningrad reg., Moscow reg., Ryazan reg. (Negrobov, Pogonin, 2008), Tatarstan (Negrobov, Korneev, Selivanova, 2010), *Sciapus polozhentsevi* Negrobov, 1977 – North Caucasus (Negrobov, 1977 f), North Caucasus, Krasnodar Territory, Adygea (Negrobov, Selivanova, 1994), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), *Sciapus richterae* Negrobov et Grichanov, 2010 – Krasnodar Territory (Grichanov, 2012 c), *Sciapus roderi* Parent, 1930 – Primorye (Parent, 1929), Amur reg. (Negrobov, Selivanova, 1994), *Sciapus sibiricus* Negrobov et Shamshev, 1986 – Sayan Mountains (Negrobov, Shamshev, 1986 b), *Sciapus spiniger* Zetterstedt, 1859 – Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), *Sciapus wiedemanni* Fallén, 1823 – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Leningrad reg., Voronezh reg. (Negrobov, Selivanova, 1994).

Setihercostomus Zhang et Yang, 2005

Setihercostomus setifacies (Stackelberg), 1934 – Primorye (Stackelberg, 1934), Khabarovsk territory (Negrobov, Rodionova, 2004 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008).

Sphyrotarsus Mik, 1874.

Sphyrotarsus caucasicus Negrobov, 1965 – North Caucasus (Negrobov, 1965 b, 1967 c), Adygea (Grichanov, Volfov, Kustov, 2009).

Suschnania Negrobov, 2003.

Suschnania stackelbergi Negrobov, 2003 – Primorye (Negrobov, 2003).

Sybistroma Meigen, 1824.

Sybistroma binodicornis Stackelberg, 1941 – Leningrad reg. (Stackelberg, 1941), Voronezh reg. (Negrobov, 1977 g), North Caucasus (Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Volfov, Kustov, 2009), *Sybistroma crinipes* Staeger, 1842 – North Caucasus (Grichanov, Volfov, Kustov, 2007), *Sybistroma discipes* (Germar, 1817) – North Caucasus (Grichanov, Volfov, Kustov, 2007), *Sybistroma dufouri* Macquart, 1838 – Adygea (Grichanov, Volfov, Kustov, 2009), *Sybistroma impar* (Rondani, 1843)

– Krasnodar Territory (Grichanov, Volfov, Kustov, 2007), *Sybistroma nodicornis* Meigen, 1928 – Russia (Parent, 1938), *Sybistroma obscurella* (Fallén, 1823) – North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), Adygea (Grichanov, Volfov, Kustov, 2009), Krasnodar Territory (Grichanov, 2012 c), *Sybistroma transcaucasica* (Stackelberg, 1941) – North Caucasus (Stackelberg, 1941), Adygea (Grichanov, Volfov, Kustov, 2009), Krasnodar Territory (Grichanov, 2012 c).

***Sympycnus* Loew, 1857.**

Sympycnus aeneicoxa (Meigen, 1824) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Sympycnus brevimanus* Loew, 1857 – Yakutia (Grichanov, Bagachanova, 2006), *Sympycnus cirrhipes* (Haliday, 1851) – North Caucasus (Negrobov, 1965 b, Grichanov, Volfov, Kustov, 2007), Krasnodar Territory (Grichanov, Volfov, Kustov, 2006), Altai (Grichanov, 2007 b), *Sympycnus pulicarius* (Fallén, 1823) (synonym – *Sympycnus annulipes* (Meigen, 1824)) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915), Novgorod reg. (Stackelberg, 1919), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1972), Murmansk reg. (Negrobov, 1974), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Vologda reg. (Grichanov, 2006 b), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Sympycnus simplicipes* Becker, 1908 – Krasnodar Territory (Negrobov, 1965 b, Grichanov, 2004, Grichanov, Volfov, Kustov, 2006, Grichanov, 2012 c), Krasnodar Territory (Negrobov, Duhanina, 1984), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Sympycnus simplicatarsis* Becker, 1900 – Krasnoyarsk Territory (Becker, 1915), Yakutia (Negrobov, Chalaya, 1991), *Sympycnus spiculatus* Gerstacker, 1864 – Yakutia (Grichanov, Bagachanova, 2006), *Sympycnus urgaicus* Negrobov, 1973 – Sayan Mountains (Grichanov, Bagachanova, 2006).

***Syntormon* Loew, 1857.**

Syntormon aulicus (Meigen, 1824) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Voronezh reg. (Negrobov, 1965 c), *Syntormon bicolorrellus* (Zetterstedt, 1843) – Moscow reg. (Fedtchenko A., 1868), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1972), Vologda reg. (Grichanov, 2006 b), *Syntormon denticulatus* (Zetterstedt, 1843) (synonym – *Syntormon pumilus* (Meigen, 1824)) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Murmansk reg. (Frey, 1915), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Kursk reg. (Grichanov, 2007 a), Kabardino-Balkaria (Grichanov, Volfov, Kustov, 2007), Ryazan reg. (Negrobov, Pogonin, 2008), Kaluga reg. (Grichanov, 2010 b), *Syntormon filiger* Verral, 1912 – Krasnodar Territory (Grichanov, Volfov, Kustov, 2006), Astrakhan reg. (Grichanov, 2011), Rostov reg. (Grichanov, 2012 c), *Syntormon flexibilis* Becker 1922 (synonym – *Syntormon lindneri* Negrobov, 1975) – Amur reg., Primorye (Negrobov, 1975 b), *Syntormon freymuthae* Loew, 1873 – Leningrad reg. (Stackelberg, 1925, 1962), *Syntormon fuscipes* (von Roser, 1840) (synonym *Syntormon spicatus* (Loew, 1857) – Russia (Parent, 1938), West Caucasus (Negrobov, 1967 c), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2007), *Syntormon latitarsis* Negrobov et Shamshev, 1984 – North Caucasus (Negrobov, Shamshev, 1984), *Syntormon metathesis* (Loew, 1850) – Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1972), North Caucasus (Negrobov, 1967 c), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Saratov reg. (Nechay, Negrobov, Volodchenko, 2008), *Syntormon mo-*

nilis (Walker, 1851) – Leningrad reg. (Stackelberg, 1962), North Caucasus (Negrobov, 1967 c), *Syntormon monochaetus* Negrobov, 1975 – Primorye, Buryatia (Negrobov, 1975 b), Khabarovsk Territory (Grichanov, 2006 a), *Syntormon pallipes* (Fabricius, 1794) – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Murmansk reg. (Negrobov, 1974), Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, Volfov, Kustov, 2006, Grichanov, 2012 c), *Syntormon pennatus* Ringdahl, 1920 – Kabardino-Balkaria (Grichanov, Volfov, Kustov, 2007), *Syntormon pseudopalmarum* Negrobov et Shamshev, 1985 – Yakutia (Negrobov, Shamshev, 1985), *Syntormon pseudospicatus* Strobl 1899 – North Caucasus (Negrobov, Shamshev, 1984), *Syntormon pumilus* (Meigen, 1824) (synonym – *Syntormon rufipes* (Meigen, 1824)) – Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, Volfov, Kustov, 2006), Ryazan reg. (Negrobov, Pogonin, 1984), Vologda reg. (Grichanov, 2006 b), Astrakhan reg. (Grichanov, 2011), *Syntormon punctatus* (Zetterstedt, 1843) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Vologda reg. (Grichanov, 2006 b), *Syntormon sipliviskii* Negrobov, 1975 – Buryatia (Negrobov, 1975 b), *Syntormon subinermis asiaticus* Negrobov, 1975 (Tadzhikistan) – Kabardino-Balkaria (Grichanov, Volfov, Kustov, 2007), *Syntormon submonilis* Negrobov, 1975 – North Caucasus (Negrobov, 1975 b, Grichanov, Volfov, Kustov, 2007), *Syntormon tarsatus* (Fallén, 1823) – Murmansk reg. (Frey, 1915), Leningrad reg. (Stackelberg, 1925, 1962), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Kamchatka (Negrobov, Chalaya, 1991), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Syntormon violovitchi* Negrobov, 1975 – Far East (Negrobov, 1975b), Kamchatka (Negrobov, Chalaya, 1991).

***Systemus* Loew, 1857.**

Systemus bipartitus (Loew, 1850) – Leningrad reg. (Stackelberg, 1962), *Systemus pallipes* (von Roser, 1840) – Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1962), Voronezh reg. (Negrobov, 1972), North Caucasus (Grichanov, Volfov, Kustov, 2006), *Systemus sachalinensis* Negrobov et Shamshev, 1985 – Yakutia (Negrobov et Shamshev, 1985), *Systemus scholtzi* (Loew, 1850) – North Caucasus (Negrobov, 1977 b).

***Tachytrechus* Stannius, 1831.**

Tachytrechus ammobates (Haliday 1851) (synonym – *Tachytrechus plumipes* Fallén, 1823) – Siberia (Frey, 1915), Leningrad reg. (Stackelberg, 1921, 1925, 1962), Russia (Parent, 1938), *Tachytrechus consobrinus* Walker, 1851 – Leningrad reg. (Stackelberg, 1921, 1925), Russia (Parent, 1938), *Tachytrechus fedtshenkoi* Stackelberg, 1924 – Uzbekistan (Stackelberg, 1924), *Tachytrechus genualis* Loew, 1857 – Leningrad reg. (Stackelberg, 1925, 1962, Stackelberg, 1941), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, 2012 c), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010), *Tachytrechus hamatus* Loew, 1871 – Russia (Loew, 1871), Moscow reg. (Fedtchenko A., 1892), Leningrad reg. (Stackelberg, 1925, 1962, Stackelberg, 1941), *Tachytrechus notatus* (Stannius, 1831) – Krasnodar Territory (Negrobov, Duhanina, 1984, Grichanov, 2012c), Yakutia (Grichanov, Bagachanova, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2007), Adygea (Grichanov, Volfov, Kustov, 2009, Negrobov, Korneev, 2010), *Tachytrechus ripicola* Loew, 1857 – Russia (Parent, 1938), Voronezh reg. (Negrobov, 1963, 1965 c, 1966 a, 1967 a), Mordovia (Negrobov, Golubcova, 1983), Ural (Negrobov, Radionova, 2004), Krasnodar Territory (Grichanov, Volfov, Kustov, 2006), *Tachytrechus transitorius* Becker 1917 – North Caucasus (Negrobov, 1965 b, Grich-

anov, Volfov, Kustov, 2007), *Tachytrechus vinogradovi* Stackelberg, 1971 – Chita reg. (Stackelberg, 1971), Sayan Mountains (Negrobov, Selivanova, Maslova, 2010).

***Telmaturgus* Mik, 1874.**

Telmaturgus tumidulus (Raddatz, 1873) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c).

***Teuchophorus* Loew, 1857.**

Teuchophorus bipilosus Becker, 1908 – Krasnodar Territory (Negrobov, Duhanina, 1984, Negrobov, Grichanov, Shamshev, 1984), *Teuchophorus calcaratus* (Macquart, 1827) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c), Leningrad reg., Lipetsk reg., North Caucasus (Negrobov, Grichanov, Shamshev, 1984), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), Adygea (Grichanov, Volfov, Kustov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2007), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), Adygea (Grichanov, Volfov, Kustov, 2009), *Teuchophorus monocanthus* Loew, 1859 – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2006, 2007), Voronezh reg. (Negrobov, 1972), Murmansk reg. (Negrobov, 1974), Krasnodar Territory (Grichanov, Kustov, Volfov, 2006, Grichanov, 2012 c), *Teuchophorus nigricosta* (von Roser, 1840) (synonym – *Teuchophorus signatus* (Staeger in Zetterstedt, 1849)) – Leningrad reg. (Stackelberg, 1925, 1962), Russia (Parent, 1938), Leningrad reg., Lipetsk reg. (Negrobov, Grichanov, Shamshev, 1984), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Teuchophorus spinigerellus* (Zetterstedt, 1843) – Leningrad reg. (Stackelberg, 1925, 1962), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Leningrad reg., North Caucasus (Negrobov, Grichanov, Shamshev, 1984), Kaluga reg. (Grichanov, 2010 b), *Teuchophorus ussurianus* Negrobov Grichanov & Shamshev, 1984 – Primorye (Negrobov, Grichanov, Shamshev, 1984).

***Thinophilus* Schiodte, 1844.**

Thinophilus argyropalpis Becker, 1910 – Volgograd reg. (Negrobov, 1971 b), *Thinophilus flavipalpis* (Zetterstedt, 1843) – Rostov reg., North Caucasus (Negrobov, 1971 b), Krasnodar Territory (Grichanov, Volfov, Kustov, 2006, Grichanov, 2012 c), Astrakhan reg. (Grichanov, 2011), *Thinophilus longipilus* Negrobov, 1971 – Primorye (Negrobov, 1971 b), *Thinophilus pollinosus* Loew, 1871 – Russia (Loew, 1871), *Thinophilus ruficornis* (Haliday, 1838) – Murmansk reg., Orenburg reg., Ural, Omsk reg. (Negrobov, 1971 b), Murmansk reg. (Negrobov, 1974), Yakutia (Grichanov, Bagachanova, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007),

***Thrypticus* Gerstaeker, 1864.**

Thrypticus altaicus Negrobov, 1971 – Altai (Negrobov, Stackelberg, 1971, Selivanova, Negrobov, Maslova, 2009, Grichanov, 2007 b), Krasnoyarsk Territory (Negrobov, Tsurikov, 1986 b, Selivanova, Negrobov, Maslova, 2009), *Thrypticus aphroditus* Negrobov et Thurikov, 1986 – Krasnoyarsk Territory (Negrobov, Tsurikov, 1986 b, Selivanova, Negrobov, Maslova, 2009), *Thrypticus atomus* Frey, 1915, Arkhangelsk reg. (Frey, 1918), Russia (Parent, 1938), Leningrad reg. (Stackelberg, 1925, 1962, Selivanova, Negrobov, Maslova, 2009), Arkhangelsk reg. (Negrobov, Stackelberg, 1971), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Yakutia (Grichanov, Bagachanova, 2006), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Thrypticus bellus* Loew, 1869 – Leningrad reg. (Stackelberg, 1925, Selivanova, Negrobov, Maslova, 2009), Voronezh reg. (Negrobov, 1963), Siberia (Negrobov, Stackelberg, 1971), Krasnodar Territory (Grichanov, Volfov, Kustov, 2006), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2009), Tatarstan (Negrobov, Korneev, Selivanova, 2010).

anov, Volfov, Kustov, 2007), Krasnoyarsk Territory (Pogonin, Negrobov, 2008), *Thrypticus cuneatus* (Becker, 1917) – Russia (Becker, 1917), Leningrad reg. (Stackelberg, 1925, 1962, Selivanova, Negrobov, Maslova, 2009), *Thrypticus divisus* (Strobl, 1880) – Leningrad reg. (Selivanova, Negrobov, Maslova, 2009), *Thrypticus emiliae* Negrobov, 1972 – Altai (Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009, Grichanov, 2007 b), Yakutia (Grichanov, Bagachanova, 2006), *Thrypticus incanus* Negrobov, 1967 – Leningrad reg. (Negrobov, 1967 b, Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009), *Thrypticus intercedens* Negrobov, 1967 – Yaroslavl reg. (Negrobov, 1967 b), Sayan Mountains (Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009), Yakutia (Grichanov, Bagachanova, 2006), Yakutia, Khanty-Mansi autonomous region (Grichanov, 2010 a), *Thrypticus laetus* Verrall, 1912 – Leningrad reg. (Stackelberg, 1962, Negrobov, Stackelberg, 1972), Voronezh reg. (Negrobov, 1972, Selivanova, Negrobov, Maslova, 2009), *Thrypticus nigricauda* Wood, 1913 – Leningrad reg. (Stackelberg, 1925, 1962, Selivanova, Negrobov, Maslova, 2009), Voronezh reg. (Negrobov, 1963, Negrobov, Stackelberg, 1972), *Thrypticus paludicola* Negrobov, 1972 – Sayan Mountains (Negrobov, 1972), *Thrypticus politus* Negrobov, 1967 – Leningrad reg. (Negrobov, Stackelberg, 1972), *Thrypticus pollinosus* Verrall, 1912 – Leningrad reg. (Stackelberg, 1925, 1962, Selivanova, Negrobov, Maslova, 2009), Voronezh reg. (Negrobov, 1963), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), *Thrypticus riparius* Negrobov, 1972 – Primorye (Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009), *Thrypticus smaragdinus* Gerstaeker, 1864 – Krasnodar Territory (Selivanova, Negrobov, Maslova, 2009), North Caucasus (Grichanov, Volfov, Kustov, 2006, 2007), *Thrypticus tarsalis* Parent, 1932 – Leningrad reg. (Stackelberg, 1962, Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009), *Thrypticus tonsus* Negrobov, 1972 – (Karaganda) (Negrobov, Stackelberg, 1972), Krasnodar Territory (Selivanova, Negrobov, Maslova, 2009), *Thrypticus tsacasi* Negrobov, 1972 – Amur reg. (Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009), *Thrypticus virescens* Negrobov, 1967 – Leningrad reg. (Negrobov, 1967 b, Negrobov, Stackelberg, 1972, Selivanova, Negrobov, Maslova, 2009), North Caucasus (Grichanov, Volfov, Kustov, 2006).

***Vetimicrotes* Dyte, 1980.**

Vetimicrotes baskunchakensis Grichanov, 2011 – Astrakhan reg. (Grichanov, 2011).

***Xanthochlorus* Loew, 1857.**

Xanthochlorus fulvus Negrobov, 1978 – North Caucasus (Negrobov, 1978 a), Adygea (Grichanov, Volfov, Kustov, 2006, 2009), Krasnodar Territory (Grichanov, 2012 c), *Xanthochlorus luridus* Negrobov, 1978 – North Caucasus (Negrobov, 1978 a), Adygea (Grichanov, Volfov, Kustov, 2009), *Xanthochlorus philippovi* Negrobov, 1978 – Far East (Negrobov, 1978 a), *Xanthochlorus tenellus* (Wiedemann, 1817) – Moscow reg. (Fedtchenko A., 1868, Fedtchenko B., 1892), Leningrad reg. (Stackelberg, 1925, 1962), Voronezh reg. (Negrobov, 1963, 1965 c, 1967 a), North Caucasus (Negrobov, 1967 c, Grichanov, Volfov, Kustov, 2007), Murmansk reg. (Negrobov, 1974), Ryazan reg. (Negrobov, Pogonin, 1984, Negrobov, Pogonin, 2008), Adygea (Grichanov, Kustov, Volfov, 2006, 2009), Tatarstan (Negrobov, Korneev, Selivanova, 2010).

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Оглавление

Contents

Гричанов И.Я. Заметки по систематике западно-палеарктических видов рода <i>Syntormon</i> Loew (Diptera: Dolichopodidae)	3
Grichanov I.Ya. Systematic notes on West-Palaearctic species of the genus <i>Syntormon</i> Loew (Diptera: Dolichopodidae)	3
Гричанов И.Я. Виды рода <i>Asyndetus</i> Loew (Diptera: Dolichopodidae) тропической Африки с заметками о некоторых палеарктических и ориентальных видах	27
Grichanov I.Ya. Afrotopical species of the genus <i>Asyndetus</i> Loew (Diptera: Dolichopodidae) with notes on some Palaearctic and Oriental species	27
Негробов О.П., Селиванова О.В., Маслова О.О., Чурсина М.А. Справочный список хищных мух семейства Dolichopodidae (Diptera) фауны России	47
Negrobov, O.P., Selivanova, O.V., Maslova, O.O., Chursina M.A. Check-list of predatory flies of the family Dolichopodidae (Diptera) in the fauna of Russia	47

В серии *Приложение к журналу «Вестник защиты растений»* опубликованы следующие монографии и сборники научных работ:

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