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NEW RECORDS OF *OCHTHEPHILUS* MULSANT & REY, 1856, *CARPELIMUS* LEACH, 1819 AND *THINODROMUS* KRAATZ, 1857 (COLEOPTERA: STAPHYLINIDAE: OXYTELINAE) FROM CIS- AND TRANSBAIKALIA

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Gildenkov M. Y., Shavrin A.V. 2012. New records of *Ochthephilus* Mulsant & Rey, 1856, *Carpelimus* Leach, 1819 and *Thinodromus* Kraatz, 1857 (Coleoptera: Staphylinidae: Oxytelinae) from Cis- and Transbaikalia. *Acta Biol. Univ. Daugavp., 12 (1): 51– 57.*

New distributional data for 15 species from 3 genera of Thinobiini (Coleoptera: Staphylinidae: Oxytelinae) from Cis- and Transbaikalia are presented: *Carpelimus (Troginus) despectus* (Baudi de Selve, 1870) is recorded from East Siberia for the first time; *C. (Trogophloeus) heidenreichi* (L.Benick, 1934), *C. (T.) gracilis* (Mannerheim, 1830), *C. (Troginus) exiguus* (Erichson, 1839), *C. (s. str.) politus politus* (Kiesenwetter, 1850) and *C. (Paratrogophloeus) bilineatus* Stephens, 1834 are new for the Irkutsk Area; *Ochthephilus planus* (LeConte, 1861) and *Thinodromus bernhaueri* (Klima, 1904) are new for Chita Area.

Key words: Coleoptera, Oxytelinae, *Ochthephilus*, *Carpelimus*, *Thinodromus*, East Siberia, new records.

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INTRODUCTION

The genus *Carpelimus* Leach, 1819 is one of the largest genera in the tribe Thinobiini J. Sahlberg, 1876, with about 500 species in the world fauna that are widely distributed in almost all zoogeographical regions. There are 86 species known in the Palaearctic (excluding Yemen, Nepal and South China), 20 of which were described by the first author. The vast majority of *Carpelimus* are inhabitants of moist soil in supralittoral areas (ripicolous, paludicolous), where they can reach large numbers. *Ochthephilus* Mulsant & Rey, 1856 and *Thinodromus* Kraatz, 1857 are mostly ripicolous, as inhabitants of edges of rivers and streams, preferring an abundance of pebbles and stones covered by damp moss. Species determinations in these genera remain difficult even within the Palaearctic, and therefore reliable distributional data are very important.

In this paper we present new records of 15 species of these genera, which were collected in the Irkutsk Area, Buryatia and the Chita Area.

MATERIAL AND METHODS

This paper is based on specimens collected by the

second author, I. Enushchenko (Irkutsk, Russia) and A. Anishchenko (Daugavpils, Latvia) during 1991-2009 in Cis- and Transbaikalia.

Additional material from the private collection of A.B. Ryvkin (Moscow, Russia), collected in the Tyumen Area and Krasnoyarsk Territory was studied. Examined material was deposited in the private collections of the authors. Names follow the classification of the catalogue by Smetana (2004). Genera, subgenera and species are listed in alphabetic order. All specimens were identified by the first author. In the species reviews, only references with records for Cis- and Transbaikalia were used. The distribution of species were derived from the catalogue of Smetana (2004) and by papers of the first author (Gildenkov 2009, 2009a, 2010). Abbreviations which were used in the text are as follows: CS – private collection of A.V. Shavrin (Daugavpils, Latvia), CG – private collection of M. Gildenkov (Smolensk, Russia).

RESULTS

***Carpelimus (Myopinus) elongatulus elongatulus* (Erichson, 1839)**
(*bicolon* St., *brevipennis* Hoch., *hornanus* Bh.)

Gildenkov 2001: 169, Gildenkov & Shavrin 2001:76

Material. Irkutsk Area: 1♀, Kuytunskiy district, Ust'-Kada, N 54°29'233''/ E 102°01'214'', h = 413 m, *Picea* forest, in litter, 24.06.2009, Shavrin A.V. (CS).
Remarks. Europe, Ciscaucasus, Cisbaikalia, Maritime Province of Russia.

***Carpelimus (Paratrogophloeus) bilineatus* Stephens, 1834**
(*riparius* Lac., *caucasicus* Hoch., *lathrobioides* Peyron, *sobrinus* Fairmaire et German, *suspectus* Mulsant et Rey)

Eppelsheim 1893:63

Material. Irkutsk Area: 1♂, 1♀, 17th km of the Baikal road. 2.05.1991. Anishchenko A. (CG); 3 ex., same data, 3.06.1994., Anishchenko A. (CS).

Remarks. Cosmopolit (Azores, Madeira, Canary Islands, Morocco, Algeria, Egypt, Europe, European part of Russia, Ural, Siberia, Far East, Canada, USA, Argentina, Chili, Australia, New Zealand). According to Smetana (2004), *C. bilineatus* is widely distributed in the Palaearctic Region. It is one of the most well known and easily identified species within the genus, and is therefore the most frequently cited species in faunistic papers. Furthermore, in some cases *C. bilineatus* can be confused with *C. rivularis* (Motschulsky, 1860) (for example: Shavrin, 2001; Shavrin, Shilenkov, Gisatullin, 2001) and even more so with *C. similis* Smetana, 1967. Eppelsheim (1893) recorded species from the valley of Irkut, but study of his collection revealed that most of his records of *Carpelimus* and *Thinodromus* are misidentifications. For example: *Thinodromus dilatatus* (Erichson, 1839) was confused with *Th. bernhaueri* (Klima, 1904); *Carpelimus nitidus* (Baudi di Selve, 1848) with *C. lindrothi* (Palm, 1943), *C. subtilis* (Erichson, 1839) with *C. gracilis* (Mannerheim, 1830)); apparently, Eppelsheim also confused *C. bilineatus* with *C. rivularis*. In this regard, new material here is very important, because reliable records from this region are very rare. It is here reliably reported for Irkutsk Area for the first time. In Asiatic Russia, the species was known only from Altai and Maritime Province (Gildenkov, 2001, 2009).

***Carpelimus (Paratrogophloeus) rivularis* (Motschulsky, 1860)**
(*obscurus* St., *metuens* Mulsant et Rey, *subaequus* Mulsant et Rey, *spretus* Casey, *marchicus* H. Wagner)

Motschulsky 1860:552, Jakobson 1910:469, Shavrin 1998:83, 2001:83 (part as *C. bilineatus*), Shavrin, Shilenkov, Gisatullin, 2001: 102 (as *C. bilineatus*), Gildenkov & Shavrin 2001:72, Gildenkov 2001: 147, 2009: 37

Material. Irkutsk Area: 2♂, 1♀, 41 ex, 15th km Podvoloshino – Kirensk pass, left side of Lena River, 1.08.2008, Shavrin A.V., Enushchenko I.V. (1♂, 1♀ - CG, CS); 31 ex. Katangskiy district, Podvoloshino, valley of Nizhnyaya Tunguska

of Lena River, 26-28.07.2008, Shavrin A.V., Enushchenko I.V. (CS); 4 ex., Erbogachyon, right side of Nizhnyaya Tunguska R., 18, 26-27.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 59 ex., Kirenskiy district valley of Lena R. Krasnoyarovo, 7.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 6 ex., Ziminskiy district Zima, valley of Oka River, 22.07.2008, Shavrin A.V., Enushchenko I.V. (CS); 1 ex., Tulunskiy district, Ikey river, N 54°05'136''/ E 99°43'132'', h = 1845 F, 15.06.2009, Shavrin A.V. (CS); 1 ex., Kuytunskiy district, Uyan env., N 54°21'386''/ E 101°39'079'', h = 449 m, swamp, 24.06.2009, Shavrin A.V. (CS); 4 ex., Tayshetskiy district, Shitkino, valley of Biryusa river, N 56°22'435''/ E 98°21'123'', h = 723 F, 17.06.2009, Shavrin A.V. (CS).

Remarks. Morocco, Algeria, Tunisia, Egypt, South Europe, South-western Russia, Caucasus, Turkey, Afghanistan, Pakistan, West Siberia (Tyumen Area), East Siberia (Krasnoyarsk Area: Evenkia, Irkutsk Area, Buryatia, Chita Area, Yakutia), Far East (Amur Area, Maritime Province), Mongolia, USA.

***Carpelimus (s. str.) lindrothi* (Palm, 1943)**

Gildenkov 2001: 103, 2009: 30

Material. Irkutsk Area: 6 ex., Ziminskiy district, Zima, valley of Oka River, 22.07.2008, Shavrin A.V., Enushchenko I.V. (CG, CS); 1 ex., same district, 7 km S Kunduluk N 54°15'180''/ E 102°07'124'', h = 1248 F, 12.06.2009, swamp with *Betula* and *Salix*, Shavrin A.V. (CS).
Remarks. Central, North and East Europe (from Switzerland on west to Sweden and NW Russia (St.-Petersburg) on north and to Samara Area on east), East Caucasus, south Siberia (Irkutsk Area, Buryatia), Far East.

***Carpelimus (s. str.) obesus* (Kiesenwetter, 1844)**
(*fossulatus* Motsch., *mancus* Casey, *spectatus* Casey, *tarsalis* Hoch.)

Gildenkov 2001: 61, 2009: 31, Gildenkov & Shavrin 2001: 71

Material. Irkutsk Area: 10 ex. 15th km Podvoloshino – Kirensk pass, left side of Lena River, 1.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 1 ex., Nukutskiy district, valley of Zalarinka river, N 53°40'872''/ E 102°39'409'', 11.06.2009, near river, A.V. Shavrin A.V. (CS); Chita Area: 1 ex., Uletovskiy district, Sokhondinskiy nature reserve, upper flow of Barun-Canginanduy River (right tributary of Ingoda River), N 49°50'207''/ E 111°10'825'', h = 1700 m, 23-24.07.2009, *Pinus sibiricus-Larix* forest with *Betula*, mosses and litter near stream, Shavrin A.V., I.V. Enushchenko I.V. (CS).

Remarks. Palaearctic species, except south-eastern part and North Africa (Europe (except north), Caucasus, Iran, Middle Asia, South Siberia (Tyumen Area, Irkutsk Area, Buryatia), Far East (Amur Area, Khabarovsk Area), Mongolia) (Gildenkov, 2001).

***Carpelimus (s. str.) politus politus* (Kiesenwetter, 1850)**
(*zlobini* Gild.)

Gildenkov 2001: 113 (as *C. zlobini* Gild.)

Material. Irkutsk Area: 3♂♂, 1♀, 19 ex., Kirenskiy district valley of Lena River, Krasnoyarovo, 7.08.2008, Shavrin A.V., Enushchenko I.V. (CG; 1♂, 14 ex. – CS).
Rermarks. According to Smetana (2004: 526), *G. politus* is widely distributed in Europe, Asia and North Africa. A lot of relevant data (Gildenkov, 2001, 2009) have been published, but polymorphism (*Carpelimus* (s. str.) *politus tenerepunctus* Gildenkov, 1994) should be taken into consideration during identifications (Gildenkov, 2010). The species was known from East Siberia only from females collected in Buryatia and Tuva (Gildenkov, 2001). It is here reported for the first time from the Irkutsk Area and the presence of this species in East Siberia is confirmed by males.

***Carpelimus (Troginus) despectus* (Baudi de Selve, 1870)**

(*despectus* Muls. & Rey, *leederi* Bh.)

Material. Irkutsk Area: 1♀, Angarsk, 5.07.2009,

Enushchenko I. (CG).
Remarks. The species is widely distributed in Europe, Cyprus and Asiatic part of Turkey (Gildenkov, 2001, 2009a; Smetana, 2004). It is less well known in Asia, but was recently recorded from West Siberia (Tyumen Area) (Gildenkov, 2009a). *Carpelimus despectus* is here reported from East Siberia for the first time; it is the most eastern distribution point.

***Carpelimus (Troginus) exiguus* (Erichson, 1839)**
(*aberrans* Rosen., *bledioides* Woll., *glabricollis* Motsch., *luteicornis* Muls. & Rey, *minusculus* Motsch.)

Material. Irkutsk Area: 1♂, 1 ex., Kirenskiy district, valley of Lena River, Krasnoyarovo, 7.08.2008, Shavrin A.V., Enushchenko I.V. (1♂ - CG, 1 ex. - CS); 1♂, 2 ex., Katangskiy district Podvoloshino valley of Nizhnyaya Tunguska R., 4-9.08.2008, Shavrin A.V., Enushchenko I.V. (CS).
Remarks. Europe, European Russia, East Siberia (Krasnoyarsk Territory, Irkutsk Area), Far East (Maritime Province, Sakhalin). It is here reported from the Irkutsk Area for the first time.

***Carpelimus (Trogophloeus) corticinus* (Gravenhorst, 1806)**
(*atratus* Steph., *dispersepunctatus* Scheerp., *fulvipennis* Fauv., *minimus* Runde, *nanus* Wollaston)

Gildenkov 2001: 176

Material. Irkutsk Area: 1♂, Zimiskiy district, 7 km S Kunduluk, N 54°15'180''/ E 102°07'124'', h = 1248 F, 12.06.2009, swamp with *Betula* and *Salix*, A.V. Shavrin (CS).
Remarks. Holarctic species.

***Carpelimus (Trogophloeus) gracilis* (Mannerheim, 1830)**

(*littoralis* Muls. & Rey, *tenellus* Er.)

Material. Irkutsk Area: 1♂, 2♀, 2 ex., Kirenskiy district, valley of Lena River, Krasnoyarovo, 7.08.2008, Shavrin A.V., Enushchenko I.V. (CG, CS).
Remarks. North Africa(?), Europe (except north), Caucasus, Middle Asia (except desert areas), West Siberia (Tyumen Area), East Siberia (Krasnoyarsk Territory, Irkutsk Area), Mongolia. It is here reported from the Irkutsk Area for the first time.

***Carpelimus (Trogophloeus) heidenreichi* (L.Benick, 1934)**

Material. Irkutsk Area: 3♂♂, 1 ex. Katangskiy district, Podvoloshino, valley of Nizhnyaya Tunguska R., 4-9.08.2008, Shavrin A., Enushchenko I. (CG, CS); 2♂, 1 ex., Kirenskiy district, valley of Lena R. Krasnoyarovo, 7.08.2008, Shavrin A., Enushchenko I. (CS, CG); 1♂, 2♀♀, 11 ex., 15th km Podvoloshino – Kirensk pass, left side of Lena River, 1.08.2008, Shavrin A., Enushchenko I. (CS); 5 ex. Tayshetskiy district, Shitkino, valley of Biryusa river, N 56°22'435''/ E 98°21'123'', h = 723 F, 17.06.2009, Shavrin A.V. (CS; 1 ex. - CG).
Remarks. Middle and South Europe, European Russia (Samara Area, Smolensk Area, Moscow Area, Belgorod Area, Volgograd Area, Astrakhan Area), West Siberia (Tyumen Area) East Siberia (Krasnoyarsk Territory, Irkutsk Area, Yakitia), Far East (Khabarovsk Territory, Maritime Province), Mongolia (Gildenkov, 2001). It is here reported for Irkutsk Area for the first time.

***Carpelimus (Trogophloeus) impressus* (Lacordaire, 1835)**
(*affinis* Heer, *inquilinus* Er., *incrassatus* Ksw., *obsoletus* Mulsant et Rey)

Eppelsheim 1893:63, Jakobson 1910:469, Shavrin 2001:83, Gildenkov 2001: 228, Gildenkov Shavrin 2001:73.

Material. Irkutsk Area: 1♂, 3 ex., Katangskiy district Podvoloshino valley of Nizhnyaya Tunguska R., 4-9.08.2008, Shavrin A., Enushchenko I. (CG); 1♂, 9 ex., same district, Podvoloshino ,valley of Nizhnyaya Tunguska River, 4-9.08.2008, Shavrin A., Enushchenko

I. (CS); 1 ex., Khamar-Daban Mts., valley of Snezhnaya River, 5-8.06.2007, Shavrin A. leg. (CS); 1 ex., same Area, Bratskiy district, N 55°28'129''/ E 100°15'285'', h = 1705 F, *Larix-Betula-Pinus sibiricus-Picea* forest, 13.06.2009, Shavrin A.V. (CG).

Additional material. Tyumen Area: 2 ex. Khanty-Mansiyskiy Autonomous Region, Surgutskiy District, Yuganskiy Reserve, Nyogus`yakh River near Kogontchina-2 field research station. Swampy bank of old river channel: *Carex hummocks*, Gramineae, *Filipendula ulmaria*, *Comarum palustre*, *Padus*, *Rosa* sp., *Salix* sp., true mosses etc. 01.09.2000. A.B. Ryvkin (CS).

Remarks. Morocco, Algeria, Europe, European part of Russia, Caucasus, Syria, Siberia, Far East. Records from North Africa need confirmation.

***Carpelimus (Trogophloeus) manchuricus subtilicornis* (Roubal, 1946)**

(*strandi* Scheerp., *kerstensi* Scheerp., *nigrinus* Smet.).

Gildenkov 2001: 239, Gildenkov & Shavrin 2001:74.

Material. Irkutsk Area: 3 ex., Katangskiy district, Podvoloshino, valley of Nizhnyaya Tunguska River, 4-9.08.2008, Shavrin A.V., Enushchenko I.V. (CG); 2 ex., same district, Erbogachyon, right side of Nizhnyaya Tunguska River, 18, 26-27.08.2008, Shavrin A.V., Enushchenko I.V. (CG); 1♂, 8 ex., 15th km Podvoloshino – Kirensk pass, left side of Lena River, 1.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 2 ex., Kirenskiy district valley of Lena R. Krasnoyarovo, 7.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 2 ex. Ust'-Kutskiy district valley of Nizhnyaya Bochakta R., 11.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 1♀, same district, valley of Bolshaya Tura River, 10.08.2008, Shavrin A.V., Enushchenko I.V. (CS); 5 ex., Khamar-Daban Mts., upper of Talzinka River (tributary of Snezhnaya River). 5-8.06.2007, Shavrin A.V. leg. (CS; 1 ex. - CG); 1 ex., Zimiskiy district, 7 km S Kunduluk N 54°15'180''/ E 102°07'124'', h = 1248 F, 12.06.2009, swamp with *Betula* and *Salicis*, Shavrin A.V. (CS); 2 ex., Zalarinskiy district, vill. Meverovka, right side of Unga river, N 53°42'588''/ E 102°24'162'', h = 1436 F, 12.06.2009, Shavrin A.V. (CS); Buryatia: 1 ex. Selenginskiy distr., Selenduma, valley of Temnik River, 16-17.08.2006, Shavrin A.V. (CS); Chita Area: 1 ex., Uletovskiy district, Sokhondinskiy nature reserve, stream without name (right tributary of Ingoda river), 2 km NE Ashagley winter hut, N 54°367''/ E 111°07'952'', h = 1350 m, 20.07.2009, Shavrin A.V., Enushchenko I.V. (CS).

Additional material. Krasnoyarsk Area: 1 ex., Turukhanskiy nat. res. Eloguyskiy wildlife preserve. Eloguy R., 6 km lower mouth of Tyna R., 13.08.1992, Semenov V.B. (CS).

Remarks. Europe, European part of Russia, West Siberia (Kemerovo, Tyumen Areas), East Siberia (Krasnoyarsk, Irkutsk Area, Tuva Republic, Yakutia), Far East (Khabarovsk Area).

***Ochthephilus curtipennis* (Eppelsheim, 1893)**

Eppelsheim 1893:65, Jakobson 1910:468, Shavrin 2000:74, Herman 2001:1720

Material. Chita Area: 3♂♂, 3 ex., Uletovskiy district, Sokhondinskiy nature reserve, stream without name (right tributary of Ingoda river), 2 km NE Ashagley winter hut, N 54°367''/ E 111°07'952'', h = 1350 m, 20.07.2009, Shavrin A.V., Enushchenko I.V. (CS; 2♂♂ - CG); 4 ex., Kyrenskiy district, Sokhondinskiy nature reserve, upper of Zolotoy stream (right tributary of Aguca River), N 49°45'353''/ E 111°11'670'', h = 1580 m, 25.07.2009, in mosses and litter near stream, Shavrin A.V., Enushchenko I.V. (CS; 1 ex. - CG).

Remarks. West (Kemerovo Area) and East Siberia (Krasnoyarsk Area, Evenkia, Chita Area), Russian Far East (Khabarovsk Territory, Magadan Area, Maritime Province). The species is reported here from the Chita Area for the first time.

***Thinodromus bernhaueri* (Klima, 1904)**

Klima 1904: 50, Shavrin 1998: 83 (as *dilatatus* Kr.), Gildenkov & Shavrin 2001: 71

Material. Irkutsk Area: 1 ex. Kirenskiy district,

valley of Lena River, Krasnoyarovo, 7.08.2008, Shavrin A.V., Enushchenko I.V. (CS); Chita Area: 34 ex., Uletovskiy district, Sokhondinskiy nat. res. Mouth Ashagley R. (right tributary of Ingoda River), N 49°54'329"/ E 111°07'159", 19-21.07.2009, Shavrin A.V., Enushchenko I.V. (CS; 5 ex. - CG); 7 ex., same data, stream without name (right tributary of Ingoda river), 2 km NE Ashagley winter hut, N 54°367''/ E 111°07'952'', h = 1350 m, 20.07.2009, Shavrin A.V., Enushchenko I.V. (CS; 2 ex. - CG).

Remarks. Russia (Krasnoyarsk Area, Evenkia, Irkutsk Area, Buryatia), Far East (Amur Area), Mongolia. It is here reported from the Chita Area for the first time.

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