
**Contribution to the Knowledge of the Fauna of *Stenus* LATREILLE, 1797
(Coleoptera, Staphylinidae, Steninae) of the Baikal Region**

A. V. SHAVRIN, Irkutsk & V. PUTHZ, Schlitz*

Abstract: A list of 80 species of *Stenus* Latr. (Coleoptera, Staphylinidae, Steninae) of the Baikal Region is given. 71 species are confirmed by material data. 11 species are new for the Baikal Region. *Stenus vastator* RYVKIN, 1987 is new for all Siberia. A zoogeographical analysis of the respective material is given.

Key words: Coleoptera, Staphylinidae, Steninae, *Stenus*, East Siberia, the Baikal Region, list of species, zoogeography.

Introduction

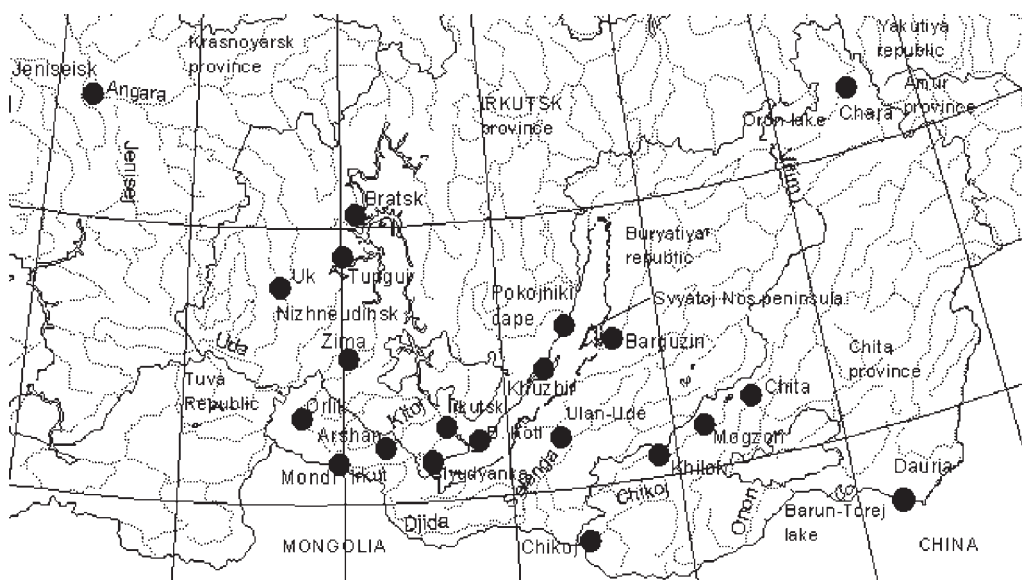
The area of the Baikal Region (= Cis- and Transbaikalia; Baikal-Transbaikal geographic region) has about 1550,2 million km², which are about 23% of the complete Siberian territory (see Map 1). As an orographic and mountain system of Lake Baikal it is often named "Baikalian Siberia", a term first used by the German botanist KARL FRIDRICH LEDEBUR (1785-1851).

The Staphylinid fauna of the Baikal Region is relatively well known (south part of territory) and has at present 683 species of 165 genera of 17 subfamilies (Shavrin, 2002). The genus *Stenus* is the largest concerning the number (71/80) of species. For comparison, the number of species recorded for other genera from the territory of Baikal-Transbaikal geographic region is: *Philonthus* – 55, *Atheta* – 31, *Tachinus* – 26, *Quedius* – 24, *Bledius* – 21, *Aleochara* – 19, *Tachyporus* – 18, *Carpelimus* – 17, *Lathrobium* and *Oxytoda* – 16 species each.

Until recently there have been no special studies published on the fauna of *Stenus* Latr. of the Baikal Region. All known publications can be divided into 5 types:

1. Records of some species from several parts of the Baikal Region: Baikalo-Lenskij natural reserve (ANISTSCHENKO, SHAVRIN, 1998), Malomorskije islands near Olkhon (DUBESHKO, MALIKOVA, 1989), Khamar-Daban mountain range (SHAVRIN, SHILENKOV, VEINBERG, 1999; SHILOV, SHILENKOV, 1977), delta of Selenga River (DUBESHKO, 1984), Irkutsk Province and Buryatiya Republic (SHAVRIN, 1998), Buryatiya Republic and Chita Province (SHAVRIN, 2000), several records from all studied territory (L. BENICK, 1930; FAUVEL, 1873; PUTHZ, 1966, 1967, 1968, 1968a, 1969, 1973, 1974, 1977, 1993);

* 294th Contribution to the knowledge of Steninae



Map. Baikal Region.

2. Records and descriptions of new species of the genus from the Baikal Region: South Cisbaikalia (FAUVEL, 1875), Tunkinskaya valley and Tunkinskij mountain range of Eastern Sayan (EPPELSHEIM, 1893), Transbaikalia (BENICK, 1924; MOTSCHULSKY, 1860);
3. Descriptions of new species from the Baikal Region (BENICK, 1922; BERNHAUER, 1915, 1927; PUTHZ, 1969b, 1972a, 1972b, 1980, 1983, 2002);
4. Records of some species from adjacent territories of the Baikal Region: Yenisey taiga (VESELOVA, RYVKIN, 1991), Yakutiya, valley of Lena River (POPPIUS, 1909), Mongolia (PUTHZ, 1972c), China (PUTHZ, 1970);
5. Records of all data on *Stenus* LATR. in various checklists (BERNHAUER and SCHUBERT, 1911; HERMAN, 2001; SCHEERPELTZ, 1933; YAKOBSON, 1905-1913).

The aim of this paper is to present a species-list of *Stenus* LATREILLE, 1797 for the territory of the Baikal Region in the administrative borders of Irkutsk, Chita provinces and Buryatiya Republic. Additional material from adjacent territories (southeastern regions of Tuva republic and Krasnoyarsk Province) are also included.

Abbreviations in the text

M = material; [**M**] = material not verified by the second author; **D** = distribution of species; 1/1 = 1male/1female. All species, which we expect in the the Baikal Region, but which have not confirmed by new material written in brackets []. The labels formula is the following: 1/1 (or ex.), province (if it is possible), district (if it is possible), "label (if in

Cyrillic – English transcription), collector (abbreviation)”, (institutions and private collections of stored material).

The geographical abbreviations are as follows: C = Central, E = East, N = North, S = South, W = West (including combinations). Mountain ranges: CS = Central Sayan, ES = Eastern Sayan, KhD = Khamar-Daban.

The administrative abbreviations are as follows: Irkutsk Province’s districts (= IRK): AD = Alarskij, BD = Bodajbinskij, ID = Irkutskij, KD = Kachugskij, SD = Slydyanskij, ShD = Shelekhovskij, OD = Ol’khonskij, TD = Tajshetskij, UD = Usol’skij, UOD = Ust’-Ordinskij, UUD = Ust’-Udiskij, ZD = Ziminskij; Buryatiya Republic’s districts (= BUR): KD = Kabanskij, UUD = Ulan-Ude city, BargD = Barguzinskij, KurD = Kurumkanskij, OkD = Okinskij, TunD = Tunkinskij; Chita Province’s districts (= CHIT): KCHD = Krasno-Chikojskij, ZD = Zabajkalskij; MD = Mogochinskij, PZD = Petrovsk-Zabajkalskij.

Abbreviations of the collectors: AA = Anistchenko Alexandr, AS = Alexey Shavrin, K+J = Krause & Jäger, LD = Ludmila Dubeshko, VS = Viktor Shilenkov, EB = Eduard Berlov, AP = Andrey Pleshanov.

Abbreviations of institutions and private collections:

| | |
|----------|---|
| cA = | coll.A. ANISTSCHENKO; |
| cB = | coll. E. BERLOV; |
| cS = | coll. A. SHAVRIN; |
| cP = | coll. V. PUTHZ; |
| DEI = | Deutsches Entomologisches Institut (Müncheberg); |
| FMCh = | Field Museum of Natural History, Chicago; |
| IRSCNB = | Institut Royal des Sciences Naturelles de Belgique, Brüssel; |
| ISU = | Irkutsk State University, Irkutsk; |
| MD = | Zoological Museum, Dresden; |
| MHNG = | Muséum d’histoire naturelle, Genf; |
| NHMW = | Naturhistorisches Museum, Wien; |
| NHML = | The Natural History Museum, London; |
| TMB = | Természettudományi Muzéum, Budapest; |
| ZIN = | Zoological Institute of Academy Sciences of Russia, St. Petersburg; |
| ZMB = | Zoologisches Museum, Berlin; |
| ZMH = | Zoological Museum, Helsinki. |

List of species of *Stenus* LATREILLE, 1797 of the Baikal Region

1. *Stenus ageus* CASEY, 1884

(= *dissociatus* EPP.; = *rigidus* CASEY; = *parvulus* L. BENICK). - EPPELSHEIM 1893: 54 (as *dissociatus* EPP.); POPPIUS 1909: 18 (as *dissociatus* EPP.); BERNHAUER & SCHUBERT 1911: 157 (as *dissociatus* EPP.); HERMAN 2001: 2047

M: 1/-, IRK, TD, “valley of Biryusa River, Staro-Shelekhovo, 27.06.1998, AS” (cS); 1/-, IRK, UD, “valley of Belaya River, 13.07.1996, AS” (cS); 1/-, IRK, OD, “Urungoj Island, 27.08.1986, LD” (ISU); 1/1, IRK, ID, “Irkoutsk” (coll. Fauvel, IRSNB), -/1, IRK, ID, “Irkutsk, Bokor” (TMB).

D: C and N Europe, Cisbaikalia, S Buryatiya, N Mongolia, Korea, China, Yakutiya, N America.

2. *Stenus alexanderi* PUTHZ, 1971

M: -/1, “Baical” (coll. Fauvel, IRSCNB); CHIT, “Charskaya basin, Kust`-Kenda, 5.08.1975, Carex-swamp, 60 net’s waves, E. Bessolizina” (ISU).

D: Siberia, Mongolia, Canada, U.S.A.

3. *Stenus alienus* SHARP, 1874

(= *semenovi* EPP.; = *pekinensis* CSIKI; = *subnudus* EPP.). - EPPELSHEIM 1893: 53; YAKOBSON 1910: 478; SHAVRIN 2000: 77 (as *biguttatus* (L.))

M: 1 Ex., BUR, TunD, “Zun-Murino, 31.05.1975, near river, VS” (ISU); 2/1, BUR, TunD, “O-Sajan: Sun-Murino, 16.VII.1974, Hieke” (ZMB, cP); 7/8, BUR, TunD, “Burjätien: Tunkinskaja Dolina, 8.VII.1993, K+J” (MD, cP); -/2, CHIT, “Chita” (FMCh); 1/-, CHIT, MD, “environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, AS” (cS).

D: Buryatiya, Chita province, Far East, Mongolia, Japan, China, Taiwan, Korea

4. *Stenus amurensis* EPPELSHEIM, 1886

PUTHZ 1972c: 137

M: 1/1, IRK, ID, “17th km of Baikal highway, 21.05.1994, AA” (cS); 1/2, CHIT, ZD, “Chita: Steppensee Barun-Toraj, 15.VI.1994, K+J” (MD, cP)

D: Cisbaikalia, Transbaikalia, Far East, Mongolia, Japan.

5. *Stenus assequens* REY, 1884

(= *declaratus* L. BENICK; = *nanus* STEPH. p. p.; = *kaszabi* PUTHZ). - EPPELSHEIM 1893: 55; YAKOBSON 1910: 481; ANISTSCHENKO & SHAVRIN 1998: 32 (as *nanus*); SHAVRIN 1998: 83 (as *incanus*); HERMAN 2001: 2066

M: 1/-, IRK, ND, “Ryabinovij, 25-26.06.1998, h=1000 m, AS” (cS); 1/-, IRK, KD, “Baikal Lake, Pokojniki cape, 23-30.06.1995, AS” (cS); ½, CHIT, MD, env. Malie Kovali station, Chichatka River, 22-29.07.1999, AS (cS, cP).

D: Europe and European part of Russia, Crimea, Georgia, Turkey, Turkmenistan, W Siberia, Baikalian Siberia, Mongolia, Canada, U.S.A.

6. *Stenus aterrimus* ERICHSON, 1839

ANISTSCHENKO & SHAVRIN 1998: 32

M: 1/-, IRK, ShD, "Shelekhov, *Betula*-forest, in anthill of *Formica*, AS" (cS).**D:** Europe, W republics of ex-U.S.S.R., European part of Russia, NW Caucasus, Turkestan, S Cisbaikalia.7. *Stenus aureolus* FAUVEL, 1875(= *fluviatilis* L. BENICK). - FAUVEL 1875: XVII (type locality: "Mydlanka" (may be: Slyudyanka?), "SW. Baikal, Ussuri Siber. Or.") EPPELSHEIM 1893: 53; YAKOBSON 1910: 480; BERNHAUER & SCHUBERT 1911: 154; PUTHZ 1967: 241; 1969: 32; SHAVRIN 2000: 76; RYVKIN 2000: 360

M: 1/4, IRK, TD, "9 km SW Telezhnij (Rudnij), valley of Rubakhina River, 28.06.1998, from mosses, AS" (cS); 1/-, IRK, ND, "70 km NW Trud, 28.06.1999, from mosses, AS" (cS); -/1, IRK, ND, "2 km E Yaga, 30.06.1999, from mosses, AS" (cS); same data, 2 ex., EB (cB); 5/8, IRK, ShD, "Orlenok, 30.04.1999, from mosses, AS" (cS); 1/-, IRK, KhD, "Babkha River, 8.05.1999, wet litter near river, AS" (cS); -/1, IRK, KhD, "middle flow of Babkha River, 8-14.05.1999, from wet mosses on mountain stream, AS" (cS); 2/8, IRK, BD, "valley of Vitim River, kordon 1, mouth of Amalik River, 30.07.00, from forest's litter, mosses, AS" (cS); 2/1, IRK, BD, "Oron lake, right side, kordon 2, mouth of Labasnij stream, 2.08.00, from mosses, AS" (cS); 1/-, IRK, OD, "Olkhon, Idiba, 24.08.05, near stream, AS" (cS); 1/-, IRK, ID, "Listvyanka, forest, Baikal" (coll. Khnzorian); 1/1, "Irkutskaja obl., VS" (cP); 2/3: IRK, SD, "60-64 km S Irkutsk, loc. 5, Lindroth" (Mus. Lund); 1/-, IRK, ID, "Bolschije Koty", (Hieke, ZMB); 4/9, BUR, TunD, "Quellgebiet des Irkut" (FMCh, NHMW, Mus. Paris); 1/-, BUR, TunD, "Irkut" (DEI); 21 Exx., "Baikal" (TMB, ZMB, FMCh, NHMW; IRSNB); 2/5, BUR, KhD, "Dzhida mountains, valley of Malaya Zanginsan River, 26-28.05.1999, from wet mosses, AS" (cS); 6/12, BUR, CS, "Okinsky district, environs of Kropotkin Volcano, 14-17.07.1998, 2070 m, from wet mosses on mountain stream, AS" (cS); 5/6, BUR, ES, "upper of Kyngarga River, 18-23.07.1995, AS" (cS); 1/3, same data, "...30.06.1996, AS" (cS); -/1, same data, "...Arshan, 23.08.1993, VS" (ISU); 1/-, BUR, TunD, "Tunkinsky mountains, Tubota mountain, Ivanova River, 9.07.1992, VS" (ISU); 2/1, "Tunkun Sajan" (FMCh); 1/-, BUR, UUD, "Werchne-Udinsk" (= Ulan-Ude) (NHMW); 1/1, CHIT, KChD, "Malkhansky mountain range, Maleta, 20 km N Maloarkhangelsk, 19,25.08.1998, AS" (cS); -/2, CHIT, KChD, "valley of Chikoj River, Osinovka, 21.08.1998, AS" (cS); 3/1, CHIT, KChD, "5 km lower of Kunalej (tributary of Chikoj River) of Kunalej (nezhiloi), 21-22.08.1998, from mosses, AS" (cS); 1/-, CHIT, KChD, "15 km N Yamarovka, 23-24.08.1998, h=1600 m, AS" (cS); 1/2, CHIT, MD, "right tributary of Chichatka, 1000 m, 20-28.06.1999, from mosses of *Pinus-Betula* forest, AS" (cS).

D: S and SE Siberia, NE Siberia, NE Mongolia.

8. *Stenus auriger* EPPELSHEIM, 1893

EPPELSHEIM 1893: 57; BERNHAUER & SCHUBERT 1911: 179; L. BENICK 1924: 256; SHAVRIN 1998: 84

M: 1/-, IRK, ZD, "Tunguj, 20-24.06.1997, AS" (AS); -/2, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 1/-, IRK, TD, "3 km SE Patrikha, valley of Biryusa River, 25.07.1998, AS" (cS); 1/-, IRK, TD, "8 km S Trakt-Uzhet, 4.07.1999, dry puddle, AS" (cS); 1/-, IRK, UOD, "Kharat, 20.06.1999, swamp with *Carex*, AS" (cS); -/1, IRK, ID, "Irkutsk, Anchuk, Leiler" (coll. Leiler).

D: E and NE Siberia, Sakhalin, Mongolia, China.

9. *Stenus baicalensis* PUTHZ, 1968

PUTHZ 1968b: 96; 1971: 140

M: 6/3, TUVA, "SE Tuva, Tere Khol" (FMCh, cP); -/1, IRK, ID, "Listvyanka, forest, Baikal, Khnzorian" (coll. Khnzorian); 2/-, "Chita" (FMCh, cP).

D: Cisbaikalia, Mongolia.

10. *Stenus benefactor* RYVKIN, 1985

SHAVRIN 2000:77

M: 1/1, CHIT, MD, "environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, swamp, AS" (cS).

D: SE Chita province, Amur Province, Primorye.

11. *Stenus bifoveolatus* GYLLENHAL, 1827

M: 1/-, IRK, ID, "Bolshije Koty, 27.5.1994, K+J" (MD); 1/2, IRK, ShD, "Podkamennaya, 26.04.1997, VS" (cS); 1/-, IRK, SD, "Marituj, 20-24.07.1994, AS" (cS); -/1, "Baikal" (FMCh).

D: N and C Europe, W republics of ex-U.S.S.R., European part of Russia, Caucasus, ?Middle Asia, Siberia to Baikal.

[*Stenus biguttatus* (LINNAEUS, 1758)]

POPPIUS 1909: 10 (Lena valley); HERMAN 2001: 2085

D: Europe, W republics of ex-U.S.S.R., European part of Russia, Caucasus, Georgia, Azerbaijan, Siberia, Sakhalin, China, Japan. Transpalaeartic species (TIKHOMIROVA 1973: 171).

12. *Stenus bilineatus* J. SAHLBERG, 1871

M: -/1, IRK, "Bratsh (may be: Bratsk?), 6.89, Stankovsky" (coll. Hromádka, Prague); 2/-, IRK, ID, "Irkutsk" (FMCh, ZMH); 1/-, IRK, SD, "60 km S Irkutsk, loc. 12, 12.8.68, Lindroth" (Mus. Lund); -/1, "Tschita, Mandl" (NHMW).

D: Holarctic species.

13. *Stenus bimaculatus* GYLLENHAL, 1810

SHAVRIN, SHILENKOV & VEINBERG, 1999: 34

M: 1/1, IRK, KhD, "Tankhoj, valley of Osinovka River, 24.07.1995, AS" (cS); -/1, IRK, ZD, "right bank of Oka River opposite Bargadaj, 19-20.06.1998, in forest litter, AS" (cS); 1/-, IRK, ND, "valley of Uda River, 5 km S Vodopadnij, 22-23.06.1998, in forest litter, AS" (cS); -/1, same data, "...4-5.07.1999, near water, AS" (cS); -/1, BUR, TunD, "Tunka valley, Zun-Murino, 31.05.1975, VS" (ISU).

D: Europe, European part of Russia, NW Caucasus, Armenia, Ural, Siberia to Baikal, Mongolia.

14. *Stenus bohemicus* MACHULKA, 1947

(= *palmi* L. BENICK). - SHAVRIN 1998: 84

M: 2/-, IRK, KD, "Acikyak, 13.06.1962, on *Carex*, AP" (cS); 2/1, IRK, ND, "2 km E Yaga, 30.06.1999, from mosses, AS" (cS); -/1, IRK, OD, "Sarma, 25.06.1979, LD" (ISU); 2/-, IRK, AD, "Alar", 26-28.06.1997, AS" (cS); -/1, IRK, ID, "Gouv. Irkutsk, VS" (cP); 1/1, IRK, ID, "Baikalseeufer bei Listwianka, Göllner" (ZMB); 1/-, IRK, ID, "Angara between Baikal lake & Irkutsk, Göllner" (ZMB, cP); -/1, IRK, ID, "Irkoutsk" (coll. Fauvel, IRSNB); -/1, IRK, ID, "Irkutsk" (FMCh); 1/-, IRK, ID, "Irkutsk S. Lenin Rayon, K+J" (MD); 2/1, "Baikal" (ZMB, NHML); -/1, IRK, ID, "Listvyanka, forest, Baikal, Khnzorian" (coll. Khnzorian); 1/-, IRK, ShD, "Shelekhov, 12.06.1992, AS" (cS); 1/1, IRK, ShD, "Orlenok, 30.04.1999, from mosses, AS" (cS); -/1, IRK, SD, "Temniktal unterhalb Tajoshuyi, K+J" (MD); -/1, IRK, SD, "Ufer des Flusses Temnik bei Dorf Tajoshuyi, K+J" (MD); 3/5, BUR, "10 km SE Ust-Bargusin, Gusikha, 3-9.08.1997, soil traps, AS" (cS); 1 Ex., BUR, BargD, "Goryachinsk, 12.08.1997, near thermal spring in grass near water, AS" (cS); 1 Ex., CHIT, "Chita, 1.07.90, dried meadow, O. Korsun" (cS); 1/1, CHIT, ZD, "Chita: Steppensee Barun-Toraj, K+J" (MD).

D: Europe, European part of Russia, Siberia, Far East of Russia, Mongolia, China, Korea, Japan.

15. *Stenus boops* LJUNGH, 1804

(= *buphthalmus* GRAV.). - POPPIUS 1909: 15 (as *buphthalmus* GRAV.); SHAVRIN 2000: 74

M: 1/-, IRK, TD, "3 km N Akulshet, 3.07.1999, near water, AS" (cS); 2/2, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 2/1, IRK, ID, "Irkutsk, Poppius" (ZMH); 1/-, IRK, ID, "Irkutsk S Lenin-Rayon, K+J" (MD); -/2, IRK, ID, "Irkutsk, Bokor, Moskvitsch" (TMB, ZIN); -/1, IRK, ID, "G. Irkutsk, Doloto, kosheniem, VS" (cP); -/3, IRK, OD, "Baikal Tal SW Mys Krestovskij, K+J" (MD), -/2, BUR, SelD, "Abramovskoe Lake, Ubukun, 14.08.1998, swampy hillocks, AS" (cS); -/1, BUR, DD, "Verkhnij Direstuj, 6-9.07.1997, AS" (cS); 1/-, BUR, KurD, "valley of Shamanka River, 6.08.1997, under stones, AS" (cS);

1/-, BUR, BargD, "Baikal Lake, Chivirkujsky bay, Zmeinaya cape, 7.07.1989, near termal spring, VS" (ISU); 1/1, BUR, "Dawscha, Baikalufer, Hieke" (cP); 2/2, BUR, "Swatoj (= Svyatoj) Nos env. Kurbulik, Hieke" (ZMB, cP).

D: Europe, European part of Russia, Crimea, Georgia, Siberia, Mongolia, Japan.

16. *Stenus burjaetus* PUTHZ, 1980

(= *nuntiator* RYVKIN). - PUTHZ 1980: 97; 2002: 136; HERMAN 2001: 2102

M: 1/-, IRK, KhD, SD, "Khamar-Daban, Komarinskij khrebet, near Podkomarino, 1600 m, 10-14.06.1996, AA" (cS); 1/-, BUR, W KhD, "Dzhida mountains, upper of Malij Zanginsan River, Bajshint-Ula mountain, 2000 m, 22-25.05.1999, from wet mosses near snowy stream, AS" (cS); -/1, holotypus, BUR, ES, TunD, "Ost-Sajan-Gebirge, Tunkun-Kette, am Fluß Tubota, 1200 m, 19-20.07.1974, F. Hieke" (ZMB); 1/1, BUR, TunD, "O-Sajan, östlicher Hauptast der Kyngarga, 1200-1400 m, Ufer, unter Steinen, 5.07.1993, K+J" (MD); 1/-, BUR, TunD, "upper of Kyngarga River, 2500 m, 18-23.07.1995, AS" (cS); -/1, BUR, TunD, "O-Sajan: Tunkun Mts., obere Kingarga, 1500 m, Bodenstrom 18-23.07.1996, AS" (cP); 1/-, BUR, CS, OkD, "valley of Khodarus River (left tributary of Senza River), 1200 m, 10.07.1998, near mountain stream, AS" (cS).

D: Tunkinsky mountain range of E Sayan, Khamar-Daban, Amur province.

17. *Stenus calcaratus* SCRIBA, 1864

POPPIUS 1909: 14; VESELOVA & RYVKIN 1991: 187; HERMAN 2001: 2103

M: -/1, IRK, ShD, "Irkutsk: Podkamennaja, K+J" (MD).

D: Europe, W republics of ex-U.S.S.R., European part of Russia, Siberia, Mongolia.

18. *Stenus canaliculatus* GYLLENHAL, 1827

(= *cordaticollis* LEINB.). - EPPELSHEIM 1893: 56; POPPIUS 1909: 15; YAKOBSON 1910: 482; DUBESHKO 1984: 52; SHAVRIN 1998: 83; 2000: 74; HERMAN 2001: 2107

M: 1/1, IRK, OD, "Sarma, 25.06.1979, LD" (ISU); 1/5, IRK, UOD, "Kharat, 20.06.1999, swamp, AS" (cS); -/1, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 1/-, IRK, AD, "Alar, 26-28.06.1997, AS" (cS); -/1, IRK, ID, "Irkutsk, mouth of Kaya River, 9.06.1997, VS" (ISU); -/1, IRK, ID, "Irkoutsk" (Fauvel, IRSNB); 1/-, IRK, ID, "Irkutsk S Lenin-Rayon, 28.6.93, K+J" (MD); 1/-, IRK, ShD, "Shelekhov, 11.08.1992, AS" (cS); -/1, BUR, TunD, "Quellgebiet des Irkut, Leder" (NHMW); 1/-, BUR, KD, "Selenga delta, 3.06.1983, LD" (ISU); 1/1, BUR, SelD, "Ubukun, Abramovskoe Lake, 14.08.1998, swampy hillocks, AS" (cS); -/1, BUR, BargD, "O-Baikal Swjatoj Nos, Hieke, 7.7.89" (ZMB); -/2, "Chita, Frieb" (FMCh); 1/-, CHIT, ZD, "Chita: Steppensee Barun-Torej, 15.6.94, K+J" (MD); 1/-, CHIT, ZD, "Barun-Torey, Myrgen, 18-19.06.1994, VS" (cS).

D: Iceland, Europe, W republics of ex-U.S.S.R., European part of Russia, Ural, Turkey, Siberia, Yakutiya, Mongolia, N America.

19. *Stenus carbonarius* GYLLENHAL, 1827

SHAVRIN 1998: 83; 2000: 77; HERMAN 201: 2111

M: 1/1, IRK, TD, "valley of Biryusa River, 27.06.1998, Staro-Shelekhovi, AS" (cS); 1/-, IRK, ND, "70 km NW Trud, 28.06.1999, hillocks swamp, AS" (cS); 1 Ex, IRK, ID, "Irk.obl., st. Malta, Smirnov" (ZIN); -/1, IRK, ID, "Irkutsk's environs, 17th km on Baikals highway, 21.05.1994, AA" (cA); 1/-, same data, "...5.06.1995, AA" (cS); 1/-, IRK, ID, "Bolshye Koti, 1-5.07.1993, AS" (cS); 2/6, BUR, BargD, "Baikal Lake, Svyatoj Nos peninsula, ithmus, 9.08.1997, dried swamp, AS" (cS); 1/-, BUR, CS, OkD, "middle flow of Senza River, 9.07.1998, AS" (cS); 1/3, CHIT, MD, "environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, from litter of willow forest, AS" (cS).

D: Iceland, Europe, W republics of ex-U.S.S.R., European part of Russia, Caucasus, Ural, Siberia.

20. *Stenus cautus* ERICHSON, 1839

PUTHZ 1972c: 139; HERMAN 2001: 2115

M: 1/1, IRK, ID, "Irkutsk, Bokor" (TMB); 1/2, IRK, ID, "Bolshye Koti, Kotinka River, 1-4.07.1993, AS" (cS); 1/-, IRK, ShD, "Shelekhov, 10.07.1991, AS" (cS); -/1, same data, "...17.07.1993, AS" (cS); -/1, "Chita, FrieB" (FMCh).

D: N Caucasus, Turkey, Siberia.

21. *Stenus cicindeloides* (SCHALLER, 1783)

FAUVEL 1873: 110; HERMAN 2001: 2121

M: -/1, IRK, OD, "Baikal-Tal SW Mys Krestovskij, 26.6.93, K+J" (MD); -/17, IRK, ID, "Irkutsk, Talaue des Flusses I. ob. Kaja, 29.6.93, K+J" (MD, cP); -/4, IRK, ID, "Irkutsk, S. Lenin Rayon, 28.6.93, K+J" (MD); -/2, IRK, ID, "Irkutsk, 13.9.77" (VS, ISU); -/1, IRK, ID, "Irkoutsk" (Fauvel, IRSNB); -/2, IRK, ?ShD, "45 km S Irkutsk, loc. 6, Lindroth, 13.8.68" (Mus. Lund); -/5, IRK, ID, "Irkutsk, Angara-Stausee, 9.6.94, K+J" (MD); -/1, CHIT, ZD, "Tschita, Steppensee Barun-Toraj, 15.6.94, K+J" (MD).

D: Madeira, Europe, W republics of ex-U.S.S.R., western part of Russia, Siberia, Mongolia, Vietnam, Korea, Japan, Taiwan.

22. *Stenus clavicornis* (SCOPOLI, 1763)

(= *boreellus* POPP.). - EPPELSHEIM 1893: 55; YAKOBSON 1910: 480; ANISTSCHENKO & SHAVRIN, 1998: 32; SHAVRIN 1998: 83; 2000: 76, 77; SHAVRIN, SHILENKOV & VEINBERG, 1999: 37; HERMAN 2001: 2126

M: 2/-, IRK, BD, “mouth of Uryakhh River, kordon 3, Uryakh, 08.00, from mosses, AS” (cS); 1/-, IRK, KD, “N Baikal, Pokojniki cape, 23-30.06.1995, near swamp, AS” (cS); -/1, IRK, ND, “Ryabinovij (nezh.), 1000 m, 25-26.06.1998, from mosses, AS” (cS); -/1, IRK, ND, “valley of Uda River, 5 km S Vodopadnij, 22-23.06.1998, in forest litter near water, AS” (cS); 1/-, IRK, TD, “valley of Biryusa River, 27.06.1998, Staro-Shelekhovi, AS” (cS); 1/-, IRK, AD, “Alar, 26-28.06.1997, near swamp, AS” (cS); -/1, IRK, ID, “Irkutsk, Solnechnij, 10.04.1998, *Betula*-forest, AS” (cS); -/4, IRK, ID, “Irkutsk, 1976, VS” (cP); -/1, IRK, ID, “Irkutsk” (Fauvel, IRSNB); 2/2, IRK, ID, “Irkutsk, Bokor” (TMB, cP); -/1, IRK, ID, “Bolshye Koti, 16.07.1993, AS” (cS); -/1, IRK, ID, “Tal des Bolshije Koty, 16.6.93, K+J” (MD); 1/-, IRK, ID, “Baikal Lake, Malaya Kadilnaya, 20.07.1993, AS” (cS); 2 Ex., IRK, ID, valley of Goloustnaya River, Nizhnij Kochergat, 19.07.1991, VS (ISU); 1/-, IRK, ShD, “Shelekhov, valley of Olkha River, 17.08.1993, AS” (cS); -/2, IRK, ShD, “Olkha, 2.08.05, AS” (cS); 1/-, IRK, ShD, “Orlenok, 30.04.1999, from mosses, AS” (cS); 1/-, IRK, ShD, “Podkamennaya, 17.08.1994, VS” (ISU); -/1, IRK, SD, “Baikal nr. Hudianka (?near Slyudyanka)” (Fauvel, IRSCNB); -/2, KhD, SD, “Baikalsk, valley of Solzan, 4.07.1978, VS” (ISU); 2/-, same data, “...*Betula* forest, 10.07.1982, VS” (ISU); 1/-, same data, “...14.09.1982, IV” (ISU); 1/1, same data, “...16-18.08.77, VS” (ISU); 1/-, same data, “...30.06.1982, VS” (ISU); 1/-, same data, “...20.07.1982, VS” (ISU); 2/-, same data, “...25.07.1982, VS” (ISU); -/1, same data, “...26.06.1982, VS” (ISU); 1/1, same data “...19.08.1982, VS” (ISU); 1/-, same data, “...*Betula* forest, 27.06.1983, VS” (ISU); 2/-, same data, “...21.07.1983, SD” (ISU); 1/1, same data, “...24-25.08.1983, SD” (ISU); -/2, IRK, SD, “Okr. Baikal, valley of Solzan River, 4.7.78, VS” (cP); 1/-, IRK, KhD, “valley of Utulik River, 30.07.77, Zuev” (ISU); -/1, IRK, SD, KhD, “valley of Bolshaya Osinovka River, 20.08.77, VS” (ISU); 1/-, IRK, KhD, “valley of Pereemnaya River, 13.07.77, VS” (ISU); 1/-, IRK, SD, KhD, “valley of Snezhnaya River, 25.07.77, VS” (ISU); 2/2, BUR, TunD, “Quellgebiet des Irkut, Leder 1891” (FMCh, cP); 1/22, BUR, TunD, “Tunkun Sajan” (FMCh); 1/-, BUR, TunD, “Arshan, 23.08.1983, VS” (ISU); -/2, BUR, KD, “Il'yinka, 18.6.75, VS”, (cP); 3 Ex., CHIT, PZD, “30 km N Maloarkhangel'sk (mountain pass of Khansky range), 25.08.1998, *Betula*-forest, from mosses, AS” (cS); 3 Ex, CHIT, KCHD, “5 km lower Kunalej (tributary of Chikoj River), 21-22.08.1998, from mosses, AS” (cS); 1/-, CHIT, MD, “Chichatka River, h=1000 m, 20-28.06.1999, from mosses *Pinus-Betula* forest, AS” (cS).

D: Europe, western republics of ex-U.S.S.R., European part of Russia, Crimea, NW Caucasus, Georgia, Armenia, Azerbaijan, Turkey, Ural, Siberia, Mongolia, China, Korea, Japan, Canada, U.S.A.

23. *Stenus comma* LECONTE, 1863

(= *bipunctatus* ER.). - EPPELSHEIM 1893: 53; YAKOBSON 1910: 478; SHILOV & SHILENKOV 1977: 65; ANISTSCHENKO & SHAVRIN, 1998: 32; SHAVRIN 1998: 83; 2000: 76, 77; SHAVRIN, SHILENKOV & VEINBERG 1999: 34; HERMAN 2001: 2135

M: 7 Ex., IRK, KD, “N. Baikal, Pokojniki cape, 23-30.06.95, AS” (cS); 1/2, IRK, UUD, “Srednyaya Muya, 26.07.1991, AS” (cS); 1 Ex., IRK, ND, “5 km S Vodopadnij, valley of Uda River, 4-5. 07.1999, near water, AS” (cS); 1/-, IRK, TD, “3 km N Akulshet, 3.07.1999,

near water, AS" (cS); 4 Ex., IRK, TD, "valley of Biryusa River, 5 km S Trakt-Uzhet, 3-4.07.1999, near water, AS" (cS); 5 Ex., IRK, ZD, "valley of Oka River, 3 km SE Preezd, AS" (cS); -/2, IRK, UD, "Malta, Irk. Gouv., 9.7.07, Smirnov" (ZIN); 5 Ex., IRK, UD, "valley of Belaya River, 13.07.1996, AS" (cS); 10 Ex., IRK, UD, "valley of Kitoj River, 17.07.1996, AS" (cS); 1/-, IRK, OD, "W-Ufer Baikal-See, gegenüber SüdSpitze Insel Olchon, 25-27.7.74, Hieke" (ZMB); 1/1, IRK, OD, "S. Baikal, 5 km NW Kap Krestovskij, 22.6.93, K+J" (MD); 8/20, IRK, OD, "Tal des "Sukhushka"-Flusses, 8.7.93, K+J" (MD, cP); -/1, IRK, ID, "Bolshye Koti, 1-5.07.1993, AS" (cS); 1/3, IRK, ID, "43 km Irkutsk-Listvjanka, Angara-Ufer, 13-14.7.74, Hieke" (ZMB); 1 Ex., IRK, ID, "Irkutsk, 13.09.77, VS" (cS); 10 Ex., IRK, ID, "Irkutsk, 11.05.1970, EB" (cB); 2/3, IRK, ID, "Angara-Ufer bei Irkutsk, 26.6.67, Hieke" (ZMB, cP); 5/3, IRK, ID, "Ufer des Angarastausees, 2 km SE Raketstation, 3.6.94, K+J" (MD, cP); 3/4, IRK, ID, "Irkutsk, Talaue des Flusses Irkut oberhalb Kaja, 29.6.93, K+J" (MD, cP); -/1, IRK, ID, "Irkouts" (coll. Fauvel); 3 Ex., IRK, ID, "Vdovino, 19.05.1974, VS" (ISU); -/1, IRK, ID, "Irkutsk's environs, 17th km of Baikals highway, 2.05.1991, AA" (cA); 1/-, IRK, ShD, "Shelekhov, 15.05.1991, AS" (cS); -/1, same data, "...5.06.1992, AS" (cS); -/1, same data, "...29.6.1992, AS" (cS); 1/-, same data, "...23.05.1993, AS" (cS); 2 Ex., same data, "...26.05.1993, AS" (cS); 3 Ex., same data, "...17.08.1993, AS" (cS); 2/1, IRK, ShD, "Olkha, 20.07.05, AS" (cS); -/2, IRK, ShD, "Orlenok, 20.07.05, AS" (cS); 1/1, IRK, ShD, "Podkamennaja, 11.6.94, K+J" (MD); 1/1, IRK, SD, "Temniktal Tayoshuyi (pad' Tyomnaya), 31.5.94, K+J" (MD); 9 Ex., BUR, KhD, "Tankhoj, valley of Osinovka Mishikhinskaya River, 29.07.1995, AS" (cS); 2 Ex., IRK, KhD, "Baikalsk, valley of Kharlakhta River, 18.06.1978, VS" (ISU); 1/-, IRK, SD, KhD, "Babkha River, 8.05.1999, near river, AS" (cS); 2 Ex., BUR, KD, "Taezhnij, 9.06.1981, VS" (ISU); 1 Ex., BUR, KD, "Turkinsk, valley of Turka River, 6.07.1989, VS" (ISU); 1 Ex., BUR, KD, "Nukuti, 11.08.1974, VS" (ISU); 5/3, BUR, TunD, "Sun-Murino, O-Sajan, 22-23.7.74, Hieke" (ZMB, cP); 6/10, BUR, TunD, "Altwasser des Flussufers des Zun-Murino, 9.7.93, K+J" (MD, cP); 2/3, BUR, TunD, "Burj., Tunkinsk-Dolina, Margasan v., 10.7.93, K+J" (MD, cP); 2/1, BUR, TunD, "Quellgebiet des Irkut, Leder 1891" (NHMW); -/3, BUR, TunD, "O-Baikal, Turka-Mündung, 6.7.89, Hieke" (ZMB); -/2, BUR, TunD, "Tunkun Sajan" (FMCh); 1/1, BUR, TunD, "Mondi, 6.07.1998, near river, AS" (cS); 4 Ex., BUR, TunD, "Arshan, 29.07-19.08.1982, VS" (ISU); 7 Ex., BUR, SelD, "Deben, 14-15.08.1998, near river, AS" (cS); 2/1, BUR, DD, "Belozersk, 25.07.97, on the shore of salt lake, AS" (cS); 16 Ex., BUR, DD, "7 km SE Belozersk, near Djida River, 24.07.97, near river and swamp, AS" (cS); 7 Ex., BUR, DD, "Verkhnij Direstuj, 6-9.07.1997, under stones near river, AS" (cS); 1/-, CHIT, KCHD, "Krasnij Chikoj, 4 km lower Chikoj, 20.08.1998, AS" (cS); 2 Ex., CHIT, KCHD, "5 km lower Kunalej (tributary of Chikoj River) from Kunalej (nezhiloi), 21-22.08.1998, near water, AS" (cS); 5 Ex., CHIT, ZD, "Nizhnij Zasuhej, Onon River, 31.05.00, O. Korsun" (cS); 3 Ex., CHIT, MD, "environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, near stream, AS" (cS); 4/5, CHIT, ZD, "Chita: Nishn. Zabutshek, 21.6.94, K+J" (MD, cP); 1/-, CHIT, "Chita, Frieb" (FMCh); 1/-, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS).

D: Europe, western republics of ex-U.S.S.R., European part of Russia, Crimea, Caucasus, Georgia, ?Middle Asia, Siberia, Far East, Sakhalin, Mongolia, Korea, Japan, Canada, U.S.A.

[*Stenus confusus* J. SAHLBERG, 1876]

POPPIUS 1909: 17 (Lena valley = *latipennis* J. Sahlberg); L. BENICK 1924: 254 (Siberia); KRÁSA 1941 (Simbirsk); PUTHZ 1972b: 107; HERMAN 2001: 2139

D: Norway, Finland, C Siberia.

[*Stenus coriaceus* PUTHZ, 1969]

PUTHZ 1969b: 80; 1974: 112; HERMAN 2001: 2144

D: East Siberia (valley of Lena River), Canada, U.S.A.

24. *Stenus crassus* STEPHENS, 1833

(= *dauricus* MOTSCH.; = *salamandra* BONDR.; = *salisburgensis* BERNH.). - EPELSHEIM 1893: 55; POPPIUS 1909: 18; YAKOBSON 1910: 482; SHAVRIN 1998: 83

[M]: 1/-, IRK, UD, “valley of Kitoj River opposite Neudachnikh Island, 14-16.07.1996, AS” (cS); 1/-, CHIT, KCHD, “5 km lower Kunalej (tributary of Chikoj River) from Kunalej (nezh.), 21-22.08.1998, from mosses, AS” (cS).

D: Europe, W republics of ex-U.S.S.R., European part of Russia, Caucasus, Siberia, Mongolia.

[*Stenus depressus* PUTHZ, 1973]

EPELSHEIM 1893: 58 (as *flavipes* STEPH.); YAKOBSON 1910: 483 (as *flavipes* STEPH.); PUTHZ 1973: 88

D: Europe, European part of Russia, Caucasus, Siberia.

25. *Stenus devius* RYVKIN, 2000

RYVKIN 2000: 357 f.

M: 1/-, IRK, ND, 20 km NW Yaga, 30.06.1999, AS (cP).

D: Middle Siberia

26. *Stenus exploratus* FALL, 1926

(= *incanoides* PUTHZ; = *calculensis* RYVKIN)

M: 1/-, BUR, TunD, “Mondi, 6.07.1998, AS” (cS).

D: S Buryatiya, NE Siberia, Alaska, Canada.

27. *Stenus fasciculatus* J.SAHLBERG, 1870

POPPIUS 1909: 11; PUTHZ 1972c: 137; HERMAN 2001: 2174

M: 1/-, IRK, KD, "N Baikal, Acikyak, AP" (cS); 2/2, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); -/1, IRK, UD, "valley of Kitoj River opposite Neudachnikh Island, 14-16.07.1996, AS" (cS); -/2, IRK, ID, "Baikal, Riv. Ilusianka (= Listvyanka?)" (coll. Fauvel, IRSCNB); -/1, IRK, ID, "Irkutsk's environs, 17th km of Baikals highway, 21.04.1994, AA" (cS); 1/-, IRK, ShD, "Shelekhov, 15.06.1999, *Carex* swamp, AS" (cS); -/1, IRK, SD, "valley of Kultuk River, 21.07.1989, near water, VS" (ISU); -/1, IRK, SD, "Baikal, Kultuk" (coll. Fauvel, IRSNB); 1/-, "Baikal" (FMCh); -/1, BUR, TunD, "Tunkinsk Dolina, Margasan (r. Mündung) in Zun-Murino, 10.7.93, K+J" (MD); 1/-, BUR, DD, "Belozersk, 6-9.07.1997, on the shore of salt lake, AS" (cS); 2/1, CHIT, "Chita, Frieb" (FMCh, NHMW).

D: N Europe, NW and NE Russia, Central Siberia.

28. *Stenus formicetorum* MANNERHEIM, 1832

SHAVRIN 1998: 84 (as *opticus* GRAV.)

[M]: 1/-, IRK, OD, "Sarma, 25.06.1979, LD" (cS); 1/1, BUR, BargD, "Goryachinsk, 12.08.1997, near thermal spring in grass near water, AS" (cS).

D: Europe, Crimea, NW Caucasus, Baikalian Siberia, Amur region, Canada.

29. *Stenus fornicatus* STEPHENS, 1833

M: 1/-, IRK, ID, "Irkoutsk" (coll. Fauvel, IRSCNB).

D: N Africa, Europe, Iran, Siberia

30. *Stenus fuscipes* GRAVENHORST, 1802

POPPIUS 1909: 17; HERMAN 2001: 2192

M: 1/1, BUR, KD, "5 km N Mostovka, Selenga River, 31.07-1.08.1997, AS" (cS); 1/-, BUR, KurD, "10 km SE Ust-Barguzin, Gusikha, 3-9.08.1997, soil traps, AS" (cS); -/1, BUR, KurD, "25 km NW of Ust-Barguzin, Zabajkalskij nat.park, 7.93, Sálek" (cHromádka, Prague).

D: Europe, Baltic region, NW Russia, Caucasus, Siberia.

31. *Stenus gibbicollis* J. SAHLBERG, 1880

HERMAN 2001: 2200; Ryvkin 2002: 299

M: 1/-, BUR, TunD, "O-Sajan: Tunkun, at river Tubota 1200 m, 19-20.7.74, Hieke" (ZMB); 2/4, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS).

D: N Europe, E Siberia.

32. *Stenus humilis* ERICHSON, 1839

EPPELSHEIM 1893: 55; POPPIUS 1909: 2218; YAKOBSON 1910: 482; HERMAN 2001: 2218

M: 1/-, IRK, ShD, "Podkamennaya, 26.04.1997, AS" (cS); 1/1, IRK, TD, "valley of Biryusa River, Staro-Shelekhovi, 26.07.1998, AS" (AS); 5/8, IRK, ND, "5 km S Vodopadnij, valley of Uda River, 4-5. 07.1999, from mosses, AS" (cS).

D: Europe, W republics of ex-U.S.S.R., European part of Russia, Crimea, Turkey, Georgia, Azerbaijan, Ural, Siberia. Records from the Far East refer probably to other species of the humilis-group.

33. *Stenus illotulus* PUTHZ, 1972

PUTHZ 1972a: 169 (type locality: "Tunkun Sayan"); RYVKIN 1987: 159; HERMAN 2001: 2223

M: 1/-, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 1/-, BUR, KD, "5 km N Mostovka, Selenga River, 31.07-1.08.1997, AS" (cS).

D: S of Krasnoyarsk and Irkutsk provinces, S Buryatiya, N Mongolia.

34. *Stenus imitator* EPPELSHEIM, 1893

EPPELSHEIM 1893: 56 (type locality: "Tunkun Sayan, Munku-Sardik"); SCHEERPELTZ 1933: 1178; PUTHZ 1972c: 141; SHAVRIN 1998: 84; 2000: 74; HERMAN 2001: 2223

M: 1/-, IRK, TD, "3 km SE Patrikha, valley of Biryusa River, 25.07.1998, AS" (cS); 1 Ex., same data, AA (cÅ); 1 Ex., IRK, TD, "3 km N Akulshet, 3.07.1999, near water, AS" (cS); 1/-, IRK, ND, "2 km E Yaga, 30.06.1999, from mosses, AS" (cS); -/1, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 2/2, IRK, AD, "Alar, 26-28.06.1997, AS" (cS); 1 Ex., IRK, ID, "Irkutsk, 17.06.1994, EB" (cB); 1 Ex., BUR, KD, "right shore of Selenga River opposite Tataurovo, 2.08.1997, AS (cS); 1/2, BUR, SelD, "Ubukun, Abramovskoe Lake, 14.08.1998, swampy hillock, AS" (cS).

D: Altai, Baikalian Siberia, Amur region, N Mongolia, Korea.

35. *Stenus immarginatus* MÄKLIN, 1852

(= *monticola* CASEY; = *variabilis* PUTHZ). - PUTHZ 1968b: 209; 1972: 140; SHAVRIN 2000: 76

M: 1/-, IRK, SD, KhD, "upper of Talzi River (tributary of Snezhnaya River), 19-25.05.1997, AS (cS); 2/6, BUR, TunD, Quellgebiet des Irkut, Leder 1891 (FMCh, NHMW, cP); 1/-, CHIT, KCHD, "15 km N Yamarovka, Cheremkhovsky mountain, AS" (cS); 1/-, CHIT, KCHD, "15 km N Yamarovka, 23-24.08.1998, 1600 m, AS" (AS).

D: Khamar-Daban, S Chita province, NE Russia, Japan, Canada, Alaska, U.S.A: Northern States.

36. *Stenus incrassatus* ERICHSON, 1839

POPPIUS 1909: 15 (Lena); HERMAN 2001: 2229

M: 2/2, BUR, KurD, "Barguzin valley, Bolshoe Alginskoe Lake, Dushelan, 3-4.08.1997, near termal springs, AS" (cS); 1/3, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS).

D: Europe, European part of Russia, Turtkey, Caucasus, Middle Asia (Caspian Sea), Azerbaijan, Siberia.

37. *Stenus innuptus* EPPELSHEIM, 1893

(= *paululus* L. BENICK). – EPPELSHEIM 1893: 55 (type locality: Tunka, Munku-Sardik); YAKOBSON 1910: 480; BERNHAUER & SCHUBERT 1911: 160; PUTHZ 1966: 298; 1974: 111; SHAVRIN 2000: 77

M: 1/-, IRK, UD, "valley of Kitoj River, 17.07.1996, AS" (cS); 1/3, IRK, OD, "Olkhon, Idiba, 24.08.05, in wet mosses near stream, AS" (cS); 1/-, IRK, ID, "Irkutsk" (FMCh); 1/-, IRK, ShD, Orlenok, 4.09.2005, AS (cS); -/1, "Baikalsee" (TMB); -/1, "Baikal" (NHML); -/2, BUR, TunD, "Quellgebiet des Irkut, Leder 1891" (NHMW); 2/2, BUR, DD, "Verkhnij Direstuj, 6-9.07.1997, AS" (cS); 1/-, CHIT, ZD, "Dauria, Barun-Torej lake, 1.06.2000, O. Korsun" (cS); -/1, CHIT, ZD, "Nizhnij Zasuchej, Onon River, 31.05.2000, O. Korsun" (cS); 1/-, CHIT, MD, "environs of Malie Koval station, valley of Chichatka River, 20-28.06.1999, swamp, AS" (AS).

D: Baikal Region, N Kuril Islands.

38. *Stenus jacuticus* POPPIUS, 1909

PUTHZ 1965: 27, 1972b: 102.

M: -/1, CHIT, "Tchita: Udotschnoje, Ingodazufluss, 9.06.1966, Hieke" (cP).

D: Siberia, N Canada.

39. *Stenus juno* (PAYKULL, 1789)

EPPELSHEIM 1893: 55; POPPIUS 1909: 11; YAKOBSON 1910: 478; PUTHZ 1972c: 137; SHAVRIN 1998: 83; 2000: 75, 76; HERMAN 2001: 2240

M: 1/-, IRK, OD, "Sarma, 25.06.1979, LD" (ISU); -/2, IRK, UD, "valley of Belaya River, 13.07.1996, AS" (cS); 1/-, IRK, AD, "Alar, 26-28.06.1997, near swamp, AS" (cS); 1/-, IRK, ZD, "Tunguj, 20-24.06.1997, AS" (cS); 1/1, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 3 Ex., IRK, UOD, "Kharat, 19.06.1996, EB" (cB); -/1, IRK, ID, "Bolshije Koty, 27.5.94, K+J" (MD); 3/1, IRK, ID, "Irkutsk's environs, 17th km of Baikals highway, 7.07.1994, AS" (AS); 1/-, IRK, ID, "Irkoutsk" (coll. Fauvel, IRSNB); -/1, IRK, ShD, "Shelekhov, 2.06.1991, V. Vladimirov" (cS); 1 Ex., IRK, ShD, "Podkamennaya, 2.05.1997, VS" (ISU); 1 Ex., same data, 9.05.1999, VS (ISU); 5 Ex., BUR, BargD, "Goryachinsk, 12.08.1997, termal

springs in grass near water, AS" (cS); -/3, BUR, KyakhD, "valley of Chikoj River, 4 km SE Chikoj, 16-17.08.1998, in wet litter near river, AS" (cS); -/1, BUR, DD, "Verkhnij Direstuj, 6-9.07.1997, AS" (cS); 1 Ex., CHIT, KCHD, "valley of Chikoj River, 8 km NNW Urluk, 18-19.08.1998, near water, AS" (cS); 1/-, ZD, CHIT, "35 km SW Olovyannij, Zagan-Nor lake, 2.06.02, AA" (cS).

D: Algeria, Europe, western republics of ex-U.S.S.R., European part of Russia, NW Caucasus, Georgia, Azerbaijan, Ural, Siberia, China, Japan, Canada, U.S.A.

40. *Stenus kamtschaticus* MOTSCHULSKY, 1845

(= *aquilonius* L. BENICK). - EPPELSHEIM 1893: 55 (EPPELSHEIM's specimens = *innuptus* EPP. and *secretus* BERNH.); POPPIUS 1909: 15; YAKOBSON 1910: 480; PUTHZ 1972c: 137; ANISTSCHENKO & SHAVRIN, 1998: 32; 2000: 77; HERMAN 2001: 2244

M: 13/25, "SE Tuva, Kargy R., 28-30.6.96, Marusik" (FMCh, cP); 1/-, IRK, KD, "Baikal Lake, Pokojniki cape, 23-30.06.1995, AS" (cS); 2/3, IRK, BD, "Vitimskij nature reserve, valley of Chelolek River, 25-26.07.2000, near thermal stream, AS" (cS); 1/-, IRK, TD, "8 km S Trakt-Uzhet, 4.07.1999, near water, AS" (cS); -/1, IRK, ID, "valley of Goloustnaya River, Nizhnij Kochergat, 19.07.1991, swampy shore of forest lake, VS" (ISU); -/1, BUR, TunD, "Zun-Murino, 8.7.93, K+J" (MD); 1/-, BUR, TunD, ES, "upper of Kyngarga River, 18-23.07.1995, AS" (cS); 1 Ex., BUR, TunD, "upper of Kyngarga River, 2500 m, 4.07.1993, VS" (ISU); 1/-, BUR, KhD, TunD, "upper of Malij Zanginsan River, Bajshint-Ula mountain, 20-29.05.1999, h=2000 m, AS" (cS); 1/3, CHIT, MD, "environs of Malie Koval station, valley of Chichatka River, 20-28.06.1999, swampy hillocks, AS" (cS).

D: E and NE Siberia, Mongolia, Alaska, Canada.

41. *Stenus kryzhanovskii* PUTHZ, 1977

PUTHZ 1977: 207; SHAVRIN 2000: 77

M: -/1, IRK, UD, "Malta, Irkustk Gouv., 9.7.07, Smirnov" (ZIN); 2/-, IRK, OD, Kholbo Lake, 3 km E Chernorud, 10.07.1998, VS (cS); 1/-, CHIT, ZD, "Barun-Toreys lakes, Myrgen, 18-19.06.1994, VS" (cS); -/1, CHIT, MD, "environs of Malie Koval station, valley of Chichatka River, 20-28.06.1999, swamp, AS" (cS).

D: S Cisbaikalia, S Transbaikalia, Yakutiya, Canada.

[*Stenus labilis* ERICHSON, 1840]

(= *lapponicus* J. SAHLB.). - POPPIUS 1909: 17 (Lena valley); HERMAN 2001: 2250

D: N Europe, NW Russia, E Siberia, Canada, U.S.A.

42. *Stenus lagopodis* RYVKIN, 1987

(= *miserandus* RYVKIN)

M: 3/-, IRK, KhD, "Komarinskij mountain range, upper of Slyudyanka River, 14.06.1996, 1900 m, from wet mosses near mountain stream, AS (cS); 5/16 Ex., IRK, KhD, valley of Levaya Poperechnaya (tributary of Babkha River), h=900 m, 10-14.05.1999, from wet mosses near mountain stream, AS (cS); 2/1, BUR, ES, TunD, "upper of Kyngarga River, 27-29.06.1996, 2500 m, AS" (cS).

D: Khamar-Daban, Eastern Sayan, Magadan province.

43. *Stenus latipennis* J.SAHLBERG, 1880

PUTHZ 1972b: 107 (Irkutsk); HERMAN 2001: 2256

M: -/1, IRK, ID, "Irkutsk, Poppius" (ZMH).

D: Finland, Siberia, Far East, Canada, Alaska.

44. *Stenus latissimus* BERNHAUER, 1938

(= *gibbicollis latissimus* BERNH.; = *gibbicollis canus* PUTHZ). - RYVKIN 2002: 299

M: -/1, IRK, ID, "Bolshye Koti loc. 3, 12.8.68, Lindroth" (Mus. Lund); 1/3, IRK, ID, "Baikal: Koty (= Bolshye Koti), 12.8.68, Leiler" (coll. Leiler, cP); 1 Ex., KhD, "Komarinskij mountain range, upper of Slyudyanka River, 14.06.1996, 1200 m, AS" (cS); 3/5, IRK, KhD, "upper of Talzi River (tributary of Snezhnaya River), 19-25.05.1997, AS" (cS); 1/-, BUR, KhD, "Vidrinnaya, 30.07.1997, AS" (cS); -/1, ES, TunD, "upper of Kyngarga River, 18-23.07.1995, 2500 m, AS" (cS); 1/4, BUR, TunD, "Zun-Murino 9.7.93, K+J" (MD, cP).

D: NE Russia, Khamar-Daban, Mongolia.

45. *Stenus ludyi* FAUVEL, 1886

M: 1/-, "Krasnojarsk distr.: Shumicha, II-VI.63, N. I. Valetskaya" (coll. Tikhomirova); 4/-, "Jenisseisk, Wuorentaus" (FMCh, ZMH).

D: Europe, Russia to Jennissej.

46. *Stenus mammops* CASEY, 1884

PUTHZ 1972b: 103

M: 5/3, CHIT, MD, env. Malie Kovali station, Chichatka River, 22-29.07.1999, AS (cS, cP); -/1, "SE Tuva: Naryn River, upper flow, 1820-1900 m, 26.06.1996, Y. Marusik" (has to be verified by the respective male) (FMCh).

D: Siberia, North America

47. *Stenus mandli* PUTHZ, 1983

PUTHZ 1983: 65 (type locality: Ulan-Ude); HERMAN 2001: 2273

M: 1/-, BUR, UUD, holotypus, "USSR: Transbaikalien: Werchne-Udinsk (= Ulan-Ude), K. Mand" (NHMW).

D: S Transbaikalia.

48. *Stenus melanarius* STEPHENS, 1833

POPPIUS 1909: 16 (Lena valley); HERMAN 2001: 2276

M: -/1, IRK, ID, "Irkoutsk" (coll. Fauvel, IRSCNB); -/1, IRK, ID, "Irkutsk, Jakovlev 1892-93" (ZIN); 1/1, IRK, SD, "Temniktal bei Tayoshuyi, 4.6.94, K+J" (MD); 3/6, BUR, KurD, "Barguzin valley, Bolshoe Alginskoe Lake, Dushelan, 3-4.08.1997, near termal strings, AS" (cS); 1/-, CHIT, "Env. Chita, 7.66, Hieke" (ZMB); 1/1, CHIT, ZD, "Chita: Lake Zun-Toraj SO Zasutschej, 16.6.94" (MD); 2/-, CHIT, ZD, "O-Ufer des Zun-Torej, 17.6.94, K+J" (MD, cP); -/1, CHIT, ZD, "Steppensee Barun-Torej, 15.6.94, K+J" (MD).

D: Europe, western republics of ex-U.S.S.R., Russia, Georgia, Azerbaijan, Turkey, Iran, Mongolia, China, Korea, Japan, Taiwan, Philippines, Indonesia, Vietnam, Myanmar, Nepal, India, Sri Lanka, Canada, U.S.A.

49. *Stenus merens* RYVKIN, 1987

SHAVRIN, SHILENKOV & GISATULLIN 2001: 103

M: 2/5, IRK, BD, "valley of Vitim River, kordon 1, mouth of Amalik River, 30.07.00, from forest's litter, mosses, AS" (cS); 2/1, IRK, BD, "Oron lake, right side, kordon 2, mouth of Labasnij stream, 2.08.00, from mosses, AS" (cS)

D: W Sayans, N Cisbaikalia

50. *Stenus minutissimus* MOTSCHULSKY, 1860

MOTSCHULSKY 1860: 557 (type localities from Ulan-Ude and Dauria); YAKOBSON 1910: 481; PUTHZ 1972c: 140; HERMAN 2001: 2286

M: 1/-, IRK, OD, "Sarma, 25.06.1974, LD" (cS); 1/-, BUR, SelD, "Ubukun, Abramovskoe Lake, 14.08.1998, swampy shore of lake, AS" (cS); 1/-, CHIT, ZD, "Barun-Torey lake, Myrgen, 18-19.06.1994, VS" (cS); 2/1, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS).

D: S Transbaikalia, Mongolia.

[*Stenus mongolicus* EPPELSHEIM, 1889]

PUTHZ 1972c: 137

D: Turkey, Georgia, Iran, Afghanistan, Uzbekistan, Tajikistan, Kyrgyzstan, Kazakhstan, Altai, ?Transbaikalia, Mongolia, China (Tibet), India (upper of Mekong), Pakistan.

51. *Stenus morio* GRAVENHORST, 1806

L. BENICK 1922: 162.

M: 1/-, IRK, TD, "Ryabinovij, 15 km SW Patrikha, 24-25.07.1998, AA". (cS); 1/-, IRK, UD, "valley of Kitoj River, 17.07.1996, AS" (cS); -/1, IRK, ShD, "R. Irkut near Shelichov (=Shelekhov), 15.8.68, Lindroth" (Mus. Lund); 4/3, BUR, TunD, "Zun-Murino, 9.7.93, K+J" (MD, cP); 1/-, BUR, TunD, "Quellgebiet des Irkut, Leder 1891" (NHMW); 1/-, BUR, KyakhD, valley of Chikoj River, Malaya Kudara, 18.08.1998, AS (cS); -/1, CHIT, "S Siberia: "Kalna" (may be "Kalga"-river in Dauria (S of Chita Province)?) (FMCh).

D: Europe, Russia, Georgia, Uzbekistan, Mongolia, China, Canada, U.S.A.

52. *Stenus nanus* STEPHENS, 1833

POPPIUS 1909: 17 (valley of Lena); HERMAN 2001: 2295

M: 1/1, IRK, ShD, env. Shelekhov Irkai/Olkha, 2.8.2005, AS (cS); 1/-, IRK, "Baikal" (NHML); -/3, "Baikalsee" (TMB); 1/-, CHIT, "Chita, Frieb" (FMCh).

D: Russia, Georgia, Turkmenistan Uzbekistan, Mongolia.

53. *Stenus nigrifulus* GYLLENHAL, 1827

PUTHZ 1972c: 141, 2001: 54; HERMAN 2001: 2299

[**M:** 1/-, IRK, UOD, "Kharat, 19.06.1996, EB" (cS).

D: Europe (without Mediterranean), European part of Russia, Caucasus, Siberia.

[*Stenus nitens* STEPHENS, 1833]

POPPIUS 1909: 16 (Lena valley); HERMAN 2001: 2301

D: N, C, E Europe, NW, C Russia, E Siberia.

54. *Stenus niveus* FAUVEL, 1865

(= *cavifrons* MULSANT & REY; = *niveoides* GUSMAN; = *vista* SANDERSON)

M: -/1, IRK, ID, "Irkutsk 2 km S Bez. 1. Mai, 30.6.93, K+J" (MD); -/2, IRK, ID, "Irkutsk, Talaue des Irkut, 29.6.93, K+J" (MD, cP); -/1, CHIT, ZD, "Tschita, Steppensee Barun-Toraj, 15.6.94, K+J" (MD).

D: Holarctic species.

55. *Stenus noctivagus* CASEY, 1884

(= *methodii* RYVKIN; = *veselovae* RYVKIN). - POPPIUS 1909: 16 (Lena valley, misidentified as *atratus* ERICHSON, 1839); PUTHZ 1993: 146.

M: 3/1, TUVA, "SE Tuva, Tere-Khol, 6-14.6.1996, Marusik" (FMCh); 5/6, TUVA, "SE Tuva, Balyktyg-Khem River, 26.-28.6.96, Marusik" (FMCh, cP).

D: Holarctic species.

56. *Stenus nubilus* RYVKIN, 1987

M: 1/2, IRK, ND "Ryabinovij, 25-26.06.1998, h=1000 m, AS" (cS).

D: Siberia, Japan (Hokkaido).

57. *Stenus opticus* GRAVENHORST, 1806

POPPIUS 1909: 18 (Lena valley); HERMAN 2001: 2313; RYVKIN 2002: 292

M: 1/-, IRK, UD, "valley of Kitoj River, opposite Neudachnikh Island, 14-16.07.1996, AS" (cS); 1/-, CHIT, KCHD, "Kunaley valley, 6 km NW Kunalej, 21.08.1998, AS" (cS).

D: Europe, W Russia, Altai, Siberia.

58. *Stenus palustris* ERICHSON, 1839

EPPELSHEIM 1893: 58; POPPIUS 1909: 20; YAKOBSON 1910: 484; SHAVRIN 1998: 84; 2000: 76, 77; HERMAN 2001: 2323

M: 2/4, IRK, KD, "Baikal Lake, Pokojniki cape, 23-30.06.1995, AS" (cS); 1/1, IRK, TD, "valley of Biryusa River, 27.06.1998, Staro-Shelekhovi, in forest litter of valley's forest, AS" (cS); 1/-, IRK, ID, "Listvyanka, forest, 16.7.73, Khnzorian" (coll. Khnzorian); 1 Ex., IRK, "Irkutsk, 20.05.1979, VS" (ISU); 1/1, IRK, ID, "Gouv. Irkutsk, 20.7.1979, VS (ZIN); 1/-, IRK, ShD, "Orlenok, 30.04.1999, from mosses, AS" (cS); 1 Ex., IRK, KhD, "valley of Solzan, 3.08.1982, valley, soil traps, Veinberg" (ISU); 1 Ex., IRK, KhD, "Komarinskij mountain range, upper of Slyudyanka River, h=1900 m, 14.06.1996, AS" (cS); 7 Ex., BUR,

TunD, "Baikal, Quellgebiet des Irkut, Leder 1891" (TMB, NHMW); 1/2, BUR, ES, TunD, "upper of Kyngarga River, 18-23.07.1996, 2500 m, AS" (cS); 1 Ex., CHIT, KCHD, "5 km lower Kunalej (tributary of Chikoj) from Kunalej (nezhiloi), 21-22.08.1998, from mosses, AS" (cS).

D: Europe, European part of Russia, Ural, Siberia.

59. *Stenus paululus* L. BENICK, 1924

(= *campbelli* PUTHZ). - L. BENICK 1924: 251 (type locality: Chita); SCHEERPELTZ 1933: 163; PUTHZ 1966: 298; 1974: 110; HERMAN 2001: 2328

M: 1/-, BUR, DD, "Verkhnij Direstuj, 6-9.07.1997, AS" (cS); 1/-, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS).

D: SE Transbaikalia, NE Russia, U.S.A., Canada.

60. *Stenus pilosiventris* BERNHAUER, 1915

(= *bodemeyeri* BERNH. 1927 nec 1909; = *bodemeyerianus* BERNH.). - PUTHZ 1972c: 140; HERMAN 2001: 2340

[M]: 1/-, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS).

D: E Siberia, Far East, Mongolia, Korea, China.

61. *Stenus pubescens pubescens* STEPHENS, 1833

POPPIUS 1909: 20 (Lena valley); DUBESHKO 1984: 56

M: -/1, IRK, OD, "Baikal Tal SW Mys Krestovskij, 25.6.93, K+J" (MD); 6/5, IRK, ID, "Ral des Bolschaja Kotynka, 27.5.94, K+J" (MD, cP); 1/2, IRK, ID, "Bolshije Koty, 2 km near village, 27.5.94, K+J" (MD).

D: Europe, European part of Russia, Siberia, Turkey, Mongolia.

61a. *Stenus pubescens fraternus* CASEY, 1884

(= *pubescens sandersonianus* PUTHZ, 1972). - L. BENICK 1924: 256 ("*pubescens*"); PUTHZ 2001: 38

M: -/1, IRK, ID, "Irkutsk" (IRSCNB, coll. Fauvel); 1/-, CHIT, "Tschita, village Udotschnoje, Ingoda tributary, 9.6.66, Hieke" (ZMB); 1/1, CHIT, "Tschita, Frieb" (Mus. Frey, Basel, cP).

D: E Siberia, Canada, U.S.A.

[*Stenus pusillus* STEPHENS, 1833]

POPPIUS 1909: 17 (Lena valley); HERMAN 2001: 2361

D: Morocco, Europe, Belorussia, European part of Russia, Georgia, Turkey, Siberia ?.

62. *Stenus rufomaculatus* BERNHAUER, 1902

(= *subguttatus* L. BENICK). - PUTHZ 1968b: 98; 1972: 136; SHAVRIN 2000: 77; HERMAN 2001: 2372

M: 1/-, IRK, ID, "Baikal Lake, Kadilnij cape, 20.07.1993, AS" (cS); -/1, IRK, UUD, "Srednyaya Muya, 24.07.1991, AS (cS); 1/-, BUR, TunD, "Zun-Murino, 23.07.1995, VS" (ISU); 1/1, BUR, KD, "Il'inka, 17.06.1975, VS" (ISU); -/1, CHIT, "Tschita, Mandl" (NHMW); 1 Ex., CHIT, PZD, "MTF Cheremushki, 25-26.08.1998, AS" (cS); 1/-, CHIT, ZD, "Barun-Torey lake, Myrgen, 18-19.06.1994, VS" (ISU); 1/3, CHIT, MD, "environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, swamp, AS" (cS).

D: Kazakhstan, Altai, Transbaikalia, Mongolia.

63. *Stenus rugosulus* FAUVEL, 1875

FAUVEL 1875: 218 (type locality "Mydcanka" (may be "Slyudyanka?"), "pres du lac Baikal"); EPPELSHEIM 1893: 56; YAKOBSON 1910: 482; BERNHAUER & SCHUBERT 1911: 166; PUTHZ 1972c: 140

M: 1/-, IRK, ShD, "Orlenok, 30.04.1999, from mosses, AS" (cS); -/1, IRK, KhD, "Podkomarnaya, h=1600 m, near mountain stream, AS" (cS); -/1, BUR, ES, TunD, "upper of Kyngarga River, 18-23.07.1995, 900 m, AS" (AS); 1/1, BUR, KhD, TunD, "upper of Malij Zanginsan River, Bajshint-Ula mountain, 20-29.05.1999, h=2000 m, AS" (cS).

D: Eastern Siberia, Far East.

64. *Stenus ruralis* ERICHSON, 1839

POPPIUS 1909: 15; ANISTSCHENKO & SHAVRIN 1998: 32; SHAVRIN 1998: 83; 2000: 77

M: 1/-, IRK, KD, "Baikal Lake, Pokojniki cape, 23-30.06.1995, AS" (cS); 1/-, IRK, ID, "Bolshaya Rechka, 3.08.1990, VS" (ISU); 1/-, IRK, ID, "Bolshije Koty, 23-26.7.89, Hieke" (ZMB); -/1, IRK, ID, "Irkutsk, Jakowlev" (ZIN); 1/-, IRK, ID, "Irkutsk, studgorodok, 21.08.1982, VS" (ISU); 2/3, IRK, SD, KhD, "valley of Snezhnaya River, 19-25.05.1997, AS" (cS); -/1, BUR, W KhD, "Dzhida mountains, upper of Malij Zanginsan River, 1500 m, 22-25.05.1999, from mosses, AS" (cS); 1/-, CHIT, KCHD, "Gornachikha River, tributary of Kunaley, 22.08.1998, AA" (cS); 2/4, CHIT, MD, "environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, from the litter willow forest, AS" (cS).

D: N and C Europe, Belorussia, European part of Russia, Siberia, Far East, Mongolia, Korea, Japan.

65. *Stenus scabriculus* J. SAHLBERG, 1876

M: 1/-, IRK, ND, "Ryabinovij (nezh.), 1000 m, 25-26.06.1998, from mosses, AS" (cS).

D: Norway, Finland, NW Russia, Cisbaikalia.

66. *Stenus secretus* BERNHAUER, 1915

(= *aureosetulus* L. BENICK). - BERNHAUER 1915: 70; PUTHZ 1968b: 98; 1970: 30

M: 1/-, IRK, ID, "Irkutsk, Jaklowlev" (ZIN); 2/4, IRK, ID, "Irkoutsk" (coll. Fauvel, IRSCNB, cP); 1/1, BUR, KD, Iljinka, 17.06.1975, Shilenkov (cS, cP); 1/-, BUR, SD, left side of Chikoj River, 6 km S parom to Zingan-Debe, 1.-3.6.2002, AS (cS); -/2, BUR, TunD, "Zun-Murino, 16.7.74, Hieke" (ZMB, cP); -/1, CHIT, "Tschita, Mandl" (NHMW).

D: E Siberia, Manchouria.

67. *Stenus shavrini* PUTHZ, 2002

ANISTSCHENKO & SHAVRIN 1998: 32 (as *S. (Nestus)* sp.); PUTHZ 2002: 132

M: 1/-, IRK, KD, "Baikal Lake, Pokojniki cape, 23-30.06.1995, from swamp, AS" (cS), paratypus; 1/-, IRK, ID, "SW Baikal, Bolshije Koty, 23-26.07.1981, F. Hieke" (ZMB), paratypus; 1/-, IRK, SD, KhD, "upper of Talzi River (tributary of Snezhnaya River), 19-25.05.1997, AS" (cS), paratypus; 1/3, BUR, TunD, "O.-Sajan, Tunkinskije Goltsy, Tal des östlichen Hauptstates der Kynygarga, blockige Schmelzwassersteilrinne unter Schneefeld, 1800-1900 m, 5.07.1993, K+J" (MD, ZMB, cP), holotypus, paratypen; 2/1, BUR, OkD, CS, "valley of Khodarus River, 10.07.1998, AS" (cS, MHNG), paratypen; 1/-, BUR, OkD, CS, "Senza River (tributary of River Oka), village Shasnur, 7-16.07.1998, AA" (cP), paratypus.

D: Cisbaikalia.

68. *Stenus sibiricus* J. SAHLBERG, 1880

(= *alpicola* sensu SANDERSON.; = *confusus* CASEY; = *deductor* CASEY; = *exasperatus* L. BENICK; = *montanus* CASEY; = *wenzeli* PUTHZ). - POPPIUS 1909: 15; PUTHZ 1993: 146 ff.; SHAVRIN 2000: 77; SHAVRIN, SHILENKOV & VEINBERG, 1999: 35; RYVKIN 2000: 356; HERMAN 2001: 2388

M: 1/4, TUVA, "SE Tuva, Kargy River, 6-7.97, Marusik" (FMCh); 2/4, IRK, ND, "Ryabinovij (nezh.), 1000 m, 25-26. 06.1998, from mosses, AS" (cS); 1/3, IRK, ND, "70 km NW Trud, 28.06.1999, from mosses, AS" (cS); 1/-, IRK, ND, "20 km NW Yaga, Yaga River, 30.06.1999, from mosses, AS" (cS); 1/1, IRK, ND, "2 km E Yaga, 30.06.1999, from mosses, AS" (cS); 1/-, IRK, TD, "9 km SW Telezhnij (Rudnij), valley of Rubashkina River, 28.06.1998, from mosses, AS" (cS); 1/1, IRK, UD, "valley of Kitoj River, 40 SW Oktyabrskij (houses), 10.07.1996, AS" (cS); 1/-, IRK, OD, "Olkhon, 3 km NW Shara-Nur Lake, SE exposition, 22.08.05, AS" (cS); -/1, IRK, SD, KhD, "valley of Levaya Poperechnaya River

(tributary of Babkha River), h=900 m, 10-14.05.1999, from mosses near mountain stream, AS (cS); 2/-, IRK, SD, KhD, "Komarinskij mountain range, upper of Slyudyanka River, 1900 m, 14.06.1996, AS" (cS); 1/-, IRK, SD, KhD, "upper of Talzi River (tributary of Snezhnaya River), 19-25.05.1997, AS" (cS); 3/-, IRK, BD, "Oron lake, right side, kordon 2, mouth of Labasnij stream, 2.08.00, from mosses, AS" (cS); 8/9, BUR, TunD, "Quellgebiet des Irkut, Leder 1891" (NHMW, NHML, FMCh, Mus. Prag, cP); 3/3, "Baikal" (MB, NHMW); 3/11, BUR, W KhD, "Dzhida mountain range, upper of Malij Zanginsan River, environs of Bajshint-Ula mountain, 2000 m, 22-25.05.1999, from wet mosses, AS" (cS); -/3, BUR, ES, TunD, "upper of Kyngarga River, 18-23.07.1995, 2500 m, AS" (cS); 2/2, BUR, KhD, TunD, "upper of Malij Zanginsan River, Bajshint-Ula mountain, 20-29.05.1999, h=2000 m, AS" (cS); 1/-, BUR, OkD, CS, "Okinsky district, environs of Kropotkin Volcano, 14-17.07.1998, 2070 m, from wet mosses near mountain stream, AS (cS); 3/5, BUR, OkD, CS, "valley of Khodarus River, 13.07.1998, AS, AA" (cS); 1/-, BUR, CS, OkD, environs of Kropotkin Volcano, 14-17.07.1998, 2070 m, from wet mosses near mountain stream, AS (cS); 1/-, CHIT, KCHD, "5 km lower Kunalej (tributary of Chikoj River) from Kunalej (nezhiloi), 21-22.08.1998, from mosses, AS" (cS); 5/12, CHIT, MD, "right tributary of Chichatka, 1000 m, 20-28.06.1999, from mosses of *Pinus-Betula* forest, AS" (cS); 3/7, CHIT, MD, Malie Kovali, valley of Chichatka River, 20-28.06.1999, from mosses, AS (cS).

D: "Turkestan", Siberia, Mongolia, China, Canada, U.S.A.

69. *Stenus similis* (HERBST, 1784)

EPPELSHEIM 1893: 56; YAKOBSON 1910: 483; DUBESHKO & MALIKOVA 1989: 12; SHAVRIN 1998: 84; HERMAN 2001: 2390

M: 1/-, IRK, ZD, "Bazhir, 20-24.06.1997, AS" (cS); 2/1, IRK, UOD, "Kharat, 20.06.1999, *Carex* swamp, AS" (cS); 1/-, IRK, UOD, "Ishin-Gol River, 20.06.1999, AS" (cS); -/2, IRK, UD, "Irkutskaja Gouv., St. Malta, Smirnov" (ZIN); -/2, IRK, ID, "Irkutsk, mouth of Kaya River, 9.06.1997, swamp with *Carex*, VS" (ISU); 2 Ex., IRK, ID, "Irkutsk, 14.08.1996, 15.08.1998, EB" (cB); -/1, IRK, ID, "Gouv. Irkutsk, Irkut river, Kosluna, 1.6.191" (ZIN); -/1, IRK, ID, "River Irkut" (IRSCNB, coll. Fauvel); -/1, IRK, ID, Irkutsk's environs, 17th km of Baikals highway, 18.04.1997, AS" (cS); 1/-, IRK, ShD, "Shelekhov, 9.06.1993, AS" (cS); -/1, same date, "...17.06.1992, AS" (cS); 1/1, same date, "...8.05.1993, AS" (cS); 2 Ex., same date, "...3.06.1993, AS" (cS); 1/-, same date, "...7.08.1992, AS" (cS); 2 Ex., same date, "...2.06.1998, AS" (cS); 3/1, BUR, TunD, "Quellgebiet des Irkut, Leder 1891" (NHMW); 1/-, IRK, SD, "Okr. Baikal, valley of Solzan, 18.6.1978, VS" (ZIN); 2/-, BUR, KurD, "Barguzin valley, Bolshoe Alginskoe Lake, Dushelan, 3-4.08.1997, AS" (cS); 1/1, BUR, BargD, "Goryachinsk, 12.08.1997, near thermal spring in grass near water, AS" (cS); 1 Ex., CHIT, ZD, "Barun-Torey lake, Myrgen, 18-19.06.1994, VS" (ISU).

D: Morocco, Algeria, Tunisia, Europe, European part of Russia, Crimea, Georgia, Armenia, Azerbaijan, Turkey, Iran, Siberia, Mongolia.

[*Stenus tarsalis* LJUNGH, 1810]

POPPIUS 1909: 18; HERMAN 2001: 2412

D: Europe, Russia, Georgia, Azerbaijan.

Siberian records refer to *S. bohemicus* MACH.

70. *Stenus transbaicalicus* BERNHAUER, 1927

BERNHAEUER 1927: 91; L. BENICK 1930; SCHEERPELTZ 1933: 1170; PUTHZ 1967: 81; 1968: 206; 1971: 140; SHAVRIN 2000: 77; HERMAN 2001: 2419

M: -/1, CHIT, ZD, "Nishn. Zaβutshek (= Nizhnij Zasuchej), Onon-Ufer, 21.6.94, K+J" (MD); 1/2, CHIT, ZD, "Tschita: Barun-Toraj, 15.6.94, K+J" (MD, cP); 1/3, CHIT, ZD, "Zun-Torej lake, 2.06.02, AA" (cS); -/1, CHIT, "NO-Ufer Barun-Toraj, Uferodontschak, 18.6.94, K+J" (MD); 3/1, CHIT, MD, "environs of Malie Kovali station, valley of Chichatka River, 20-28.06.1999, swamp, AS" (cS).

D: S Transbaikalia, Mongolia.

71. *Stenus vastator* RYVKIN, 1987

M: 2/1, IRK, "ND, Ryabinovij (nezhiloi), 25-26.06.1998, 1000 m., from mosses near stream, AS" (cS, cP); 2/1, 20 km NW Yaga, 30.6.199, AS (cS, cP).

D: Cisbaikalia, Maritime Province (= Primorye).

Zoogeographical comments on the faunistic list of *Stenus* LATREILLE, 1797 of the Baikal Region

This study is based on the examination of about 1300 specimens of rove beetles of *Stenus* from the Baikal Region. The genus is represented here by 71 species. Nine species (*biguttatus* (LINNAEUS), *confusus* J. SAHLBERG, *coriaceus* PUTHZ, *depressus* PUTHZ, *labilis* ERICHSON, *mongolicus* EPPELSHEIM, *nitens* STEPHENS, *pusillus* STEPHENS, *tarsalis* LJUNGH), recorded by previous authors, are not present in our material from Cis- and Transbaikalia and were, at least some of them, probably misidentified. The records of *Stenus incanus* ERICHSON for Cisbaikalia by EPPELSHEIM (1893:51) and by YAKOBSON (1910:282) has been removed from the list of species as a misidentification: EPPELSHEIM's records = *morio* GRAVENHORST, YAKOBSON's records based on previous author. The record of *Stenus providus* ERICHSON for Cisbaikalia by YAKOBSON (1910:478) has been removed from the list of species as a misidentification. One species in the list is represented by 2 subspecies: *pubescens pubescens* STEPHENS and *pubescens fraternus* CASEY.

Eleven species are new to the fauna of the Baikal Region: *alexanderi* Puthz, *bifoveolatus* GYLLENHAL, *bilineatus* J. SAHLBERG, *devius* RYVKIN, *fornicatus* STEPHENS, *latissimus* BERNHAUER,

ludyi FAUVEL, *mammops* CASEY, *niveus* FAUVEL, *nubilus* RYVKIN, *scabriculus* J. SAHLBERG. The record of *Stenus vastator* RYVKIN, described from Far East (Maritime Prov., nr. Krasnorechensky, Mt. Eldorado), is new for the territory of all Siberia.

For the Irkutsk Province are recorded 53 species: ID (31), SD+KhD (19), ShD (19), TD (13), OD (13), ND (14), KD (10), ZD (10), UD (11), AD (5), UOD (5), BD (4); UUD (1); for the Buryatiya Republic - 36: TunD+ES (23), BargD (7), KD (7), DD (6), KurD (5), SelD (6), OkD (5), UUD (2), KyachD (2); for the Chita Province - 41: ZD (18), MD (16), «Chita» (14), KCHD (10), PZD (2); for the Tuva Republic – 5. Eight species are recorded from localities, which are not specified in detail and have labels like as “Baical”, “Baikal”, “Baikalsee”.

The knowledge of the *Stenus*-fauna of such an extensive territory (as that of other Staphylinid-genera) is preliminary. Many northern regions and Baikalian mountain ranges have not been investigated so far. For the adjacent territory of Mongolia 33 species have been recorded (HERMAN, 2001), of which only *Stenus paradoxus* BERNHAUER and *Stenus gobialtaicus* PUTHZ are not known from the Baikal Region [*S. incrassatus* was recorded by L. BENICK, 1922; we know 1 male from about 100 km far from the Mongolian border, so this record should be probable. The 34th species known from Mongolia is *S. alexanderi* PUTHZ, which was found amongst material from Northern Mongolia (“MNR, Khubsugul lake, Khesen-gol River, 29.07.1977, VS” (ISU)].

The zoogeographical analysis of material presented in this paper leads to the following results:

24 holarctic species (*agens* CASEY, *assequens* REY, *bilineatus* J. SAHLBERG, *canaliculatus* GYLLENHAL, *clavicornis* (SCOPOLI), *comma* LECONTE, *fasciculatus* J. SAHLBERG, *formicetorum* MANNERHEIM, *juno* (PAYKULL), *latipennis* J. SAHLBERG, *melanarius* STEPHENS, *morio* GRAVENHORST, *niveus* FAUVEL, *noctivagus* CASEY), including okhotian (=berengian) component (*alexanderi* PUTHZ, *exploratus* FALL, *immarginatus* MAEKLIN, *jacuticus* POPPIUS, *kamtschaticus* MOTSCHULSKY, *kryzhanovskii* PUTHZ, *mammops* CASEY, *paululus* L. BENICK, *pubescens fraternus* CASEY, *sibiricus* J. SAHLBERG);

17 palaeartic species, including transpalaeartic (*amurensis* EPPELSHEIM, *bohemicus* MACHULKA, *boops* LJUNGH, *cicindeloides* (SCHALLER), *ruralis* ERICHSON) and eastpalaeartic (*alienus* SHARP, *auriger* EPPELSHEIM, *benefactor* RYVKIN, *imitator* EPPELSHEIM, *innuptus* EPPELSHEIM, *lagopodis* RYVKIN, *latissimus* BERNHAUER, *nubilus* RYVKIN, *pilosiventris* BERNHAUER, *rugosulus* FAUVEL, *secretus* L. BENICK, *vastator* RYVKIN) components;

20 European-siberian species (*aterrimus* ERICHSON, *bifoveolatus* GYLLENHAL, *bimaculatus* GYLLENHAL, *calcaratus* SCRIBA, *carbonarius* GYLLENHAL, *cautus* ERICHSON, *crassus* STEPHENS, *formicatus* STEPHENS, *fuscipes* GRAVENHORST, *gibbicollis* J. SAHLBERG, *humilis* ERICHSON, *incrassatus* ERICHSON, *ludyi* FAUVEL, *nanus* STEPHENS, *nigritulus* GYLLENHAL, *opticus* GRAVENHORST, *palustris* ERICHSON, *pubescens pubescens* STEPHENS, *scabriculus* J. SAHLBERG, *similis* (HERBST));

9 Siberian species (*aureolus* FAUVEL, *baicalensis* PUTHZ, *burjaetus* PUTHZ, *devius* RYVKIN, *illolulus* PUTHZ, *mandli* PUTHZ, *merens* RYVKIN, *secretus* BERNHAUER, *shavrini* PUTHZ);

2 Dauro-mongolian species (*minutissimus* MOTSCHULSKY, *transbaicalicus* BERNHAUER);

1 Kazakhstano-mongolian species (*rufomaculatus* BERNHAUER).

Acknowledgements

We wish thank the colleagues from all museums and institutions for making *Stenus*-material available for study. The first author wishes to thank especially ALEXANDR V. ANISTSCHENKO, EDUARD YA. BERLOV and VIKTOR G. SHILENKOV, Ph. D. for the material, they entrusted me for treatment.

Literature

- ANISTSCHENKO, A. V. & SHAVRIN, A. V. (1998): To the fauna of Carabidae and Staphylinidae (Coleoptera) of Baikalo-Lenskiy natural reserve. - Vestnik of the Irkutsk State Agricultural Academy **13**: 30-33. [in Russian].
- BENICK, L. (1922): Insecta, ex Sibiria meridionali et Mongolia, in itinere prajni OLSEN 1914 collecta. A. Coleoptera, a FRITZ JENSEN lecta. IV. Staphylinidae (Steninae). - Norsk Entomologisk Tidsskrift **1**: 161-164.
- BENICK, L. (1924): H. FRIEBS *Stenus*-Ausbeute in sibirischer Kriegsgefangenschaft. - Deutsche Entomologische Zeitschrift: 249-258.
- BENICK, L. (1930): Der Artenkreis des *Stenus crassus* STEPH. (Col., Staph.). - Coleopterologisches Centralblatt **4**: 219-232.
- BERNHAEUER, M. (1915): Neue Staphyliniden des paläarktischen Faunengebietes. - Wiener Entomologische Zeitung **34**: 69-81.
- BERNHAEUER, M. (1927): Neue Staphyliniden des paläarktischen Faunengebietes. - Koleopterologische Rundschau **13**: 90-99.
- BERNHAEUER, M. & K. SCHUBERT (1911): Staphylinidae II. In: S. Schenkling, Coleopterorum Catalogus 5 (29): 87-190.
- DUBESHKO, L. N. (1984): Beetles in biocenoses of delta of Selenga River. In: "Beetles of Siberia". Irkutsk. pp. 46-63. [In Russian].
- DUBESHKO, L. N. & G. E. MALIKOVA (1989): Beetles of Malomorskie islands. In: «Insects and spiders of Siberia». Irkutsk. pp. 6-33. [In Russian].
- EPPELSHEIM, E. (1893): Beitrag zur Staphylinen-Fauna des Südwestlichen Baikal-Gebietes. - Deutsche Entomologische Zeitschrift **37**: 17-67.
- FAUVEL, A. (1873): Faune Gallo-Rhénane ou species des insectes qui habitent la France, la Belgique, la Hollande, le Luxembourg, les provinces Rhenanes et la Valais avec tableaux synoptiques et planches gravées. - Bulletin de la Société Linnéenne de Normandie (2)6: 8-136.
- FAUVEL, A. (1875): Faune Gallo-Rhénane... Catalogue systematique des staphylinides de la Faune Gallo-Rhenane avec l'addition synonymique des espèces européennes, siberiennes, caucasiques et Mediterranéennes et descriptions nouvelles. Vol. 3. Liv. 6. I-XXXVIII. Caen: Le Blanc-Hardel.

- HERMAN, L. H. (2001): Catalog of the Staphylinidae (Insecta: Coleoptera). 1758 to the End of the Second Millenium. Part IV. - Bulletin of the American Museum of Natural History **265**: 1807-2440.
- KRÁSA, T. (1941): Kritische Bemerkungen über europäische, mit *Stenus ater* nächstverwandte Arten nebst Beschreibung von 3 neuen Arten aus dem Palaarktischen Gebiete. - Èasopis Èeskoslvenské Spoleènosti Entomologické **38**: 115-119.
- MOTSCHULSKY, V. (1860): Énumération des nouvelles espèces de Coleoptères rapportées de ses voyages. - Bulletin de la Sociétè Impériale de Naturalistes de Moscou **33**: 539-588.
- POPPIUS, B. (1909): Beiträge zur Kenntnis der Coleopteren-Fauna des Lena-Thales in Ost-Sibirien. IV. Staphylinidae. - Ofversigt af Finska Vetenskaps-Societetens Forhandlingar **51**: 1-53.
- PUTHZ, V. (1965): Nomenklatorische, systematische u. faunistische Bemerkungen über paläarktische Steninen (Col., Staphylinidae) 6. Beitrag zur Kenntnis der Steninen. - Mitteilungen der Deutschen Entomologischen Gesellschaft **24**: 25-30.
- PUTHZ, V. (1966): Über nord- und ostpaläarktische Steninen (Coleoptera, Staphylinidae). - Suomen Hyönteistietellinen Aikakauskirja **32**: 295-308.
- PUTHZ, V. (1967a): Über *Stenus (Parastenus) alpicola* FAUVEL und andere abweichend gebaute paläarktische *Parastenus*-Arten (Col., Staphylinidae). - Suomen Hyönteistietellinen Aikakauskirja **33**: 226-256.
- PUTHZ, V. (1967b): Staphylinidae: Steninae II. Ergebnisse der zoologischen Forschungen von Dr. Z. KASZAB in der Mongolei (Coleoptera). - Reichenbachia **9**: 229-233.
- PUTHZ, V. (1968a): Neue Steninen aus der Sowjetunion nebst synonymischen Bemerkungen (Coleoptera, Staphylinidae). - Notulae Entomologicae **48**: 93-102.
- PUTHZ, V. (1968b): Die *Stenus*- und *Megalopinus*-Arten MOTSCHULSKYS und Bemerkungen über das Subgenus *Tesnus* REY, mit einer Tabelle der paläarktischen Vertreter (Coleoptera, Staphylinidae). - Notulae Entomologicae **48**: 197-219.
- PUTHZ, V. (1969a): Revision der FAUVELSchen *Stenus*-Arten, exclusive madagassische Arten. - Bulletin Institut royal des Sciences naturelles de Belgique **45**(9): 1-47.
- PUTHZ, V. (1969b): Ein neuer nordpaläarktischer *Stenus*: *St. (Nestus) coriaceus* n. sp. (Coleoptera, Staphylinidae). - Notulae Entomologicae **49**: 80-82.
- PUTHZ, V. (1970): On a collection of Steninae from China (Coleoptera, Staphylinidae). - Proceedings of the Royal Entomological Society of London (B) **39**: 29-32.
- PUTHZ, V. (1972a): Zwei neue *Stenus*-Arten aus der *canaliculatus*-Gruppe nebst synonymischen Bemerkungen (Coleoptera, Staphylinidae). - Koleopterologische Rundschau **49**: 169-175.
- PUTHZ, V. (1972b): Über einige nordostpaläarktische *Stenus*-Arten (Coleoptera, Staphylinidae). - Notulae Entomologicae **52**: 102-108.
- PUTHZ, V. (1972c): Staphylinidae: Steninae III. Ergebnisse der zoologischen Forschungen von Dr. Z. KASZAB in der Mongolei (Coleoptera). - Faunistische Abhandlungen Staatliches Museum für Tierkunde in Dresden **3**: 135-143.

- PUTHZ, V. (1974): Weitere nordostpaläarktische *Stenus*-Arten (Coleoptera, Staphylinidae). - Notulae Entomologicae **54**: 107-113.
- PUTHZ, V. (1977): Ein neuer ostsibirischer *Stenus* (Coleoptera, Staphylinidae). - Reichenbachia **16**: 207-210.
- PUTHZ, V. (1980): Ein neuer, bemerkenswerter, *Stenus* aus Ostsibirien: *Stenus* (s. str.) *burjaetus* n. sp. (Coleoptera, Staphylinidae). - Mitteilungen aus dem Zoologischen Museum in Berlin **56**: 97-98.
- PUTHZ, V. (1983): Eine neue *Stenus*-Art aus Transbaikalien: *Stenus* (s. str.) *mandli* n. sp. (Coleoptera, Staphylinidae). - Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen **34** (1982): 63-68.
- PUTHZ, V. (1993): Zur Synonymie und Stellung einiger Steninen VI. (Coleoptera, Staphylinidae). - Entomologische Blätter für Biologie und Systematik der Käfer **89**: 139-153.
- PUTHZ, V. (2001a): Beiträge zur Kenntnis der Steninen CCLXIX Zur Ordnung in der Gattung *Stenus* LATREILLE, 1796 (Staphylinidae, Coleoptera). - Philippia **10**: 31-41.
- PUTHZ, V. (2001b): Beiträge zur Kenntnis der Steninen CCLXX Neue und alte paläarktische Arten der Gattung *Stenus* LATREILLE (Staphylinidae, Coleoptera). - Philippia **10**: 53-64.
- PUTHZ, V. (2002): Neue und alte Arten der Gruppe des *Stenus gibbicollis* J. SAHLBERG (Staphylinidae, Coleoptera). - Philippia **10**: 132-140.
- RYVKIN, A. B. (1987): New species of staphylinid beetles (Coleoptera, Staphylinidae) of Siberia and Far East. - Entomologicheskoe Obozrenie **66**: 123-128.
- RYVKIN, A. B. (2000): On the Siberian and Far Eastern species of *Stenus* (*Parastenus*) of the *alpicola*-group (Insecta: Coleoptera: Staphylinidae: Steninae). - Reichenbachia **33**: 355-365.
- RYVKIN, A. B. (2002): *Stenus* (*Nestus*) *permundus* sp. n. and two allied species from Siberia and the Russian Far East (Insecta: Coleoptera: Staphylinidae: Steninae). - Reichenbachia **34**: 297-301.
- SAHLBERG, J. (1871): Anteckningar till Lapplands coleopter-fauna. - Notiser ur Sällskapets pro Fauna et Flora Fennica **11**: 385-440.
- SCHNEERPELTZ, O. (1933): Staphylinidae VII. In: S. SCHENKLING (ed.), Coleopterorum Catalogus. 6(129): 989-1500.
- SHAVRIN, A. V. (1998): To the knowledge of staphylinid beetles fauna (Coleoptera, Staphylinidae) of Baikal region. In: Entomological problems of Baikalian Siberia. - Proceedings of the Regional Conference. December 23-24, 1997. Novosibirsk. Nauka. pp. 81-86. [in Russian, with abstract in English].
- SHAVRIN, A. V. (2000): To the knowledge of staphylinid beetles fauna (Coleoptera, Staphylinidae) from southern parts of Buryatiya and Chita district. In: Problems of Taxonomy, Ecology and Toxicology of Invertebrates. Irkutsk State University. Irkutsk. pp. 73-79. [in Russian, with abstract in English].

- SHAVRIN A. V. (2002): The fauna and ecology of staphylinid beetles (Coleoptera, Staphylinidae) of Baikalian Siberia. - Abstract of doctoral thesis. Irkutsk. 19 pp. [in Russian].
- SHAVRIN, A. V., SHILENKOV, V. G. & VEINBERG, I. V. (1999): Fauna and ecology of Staphylinidae (Coleoptera) on the Northern slope of Khamar-Daban in the Southern Cisbaikalia. In: Biodiversity of the Baikal Region. Proceedings of the Biology and Soil Department of the Irkutsk State University 1: 26-42. [in Russian, with abstract in English].
- SHAVRIN A. V., SHILENKOV, V. G. & GISATULLIN, A. A. (2001): The beetles (Coleoptera) of Vitimskiy natural reserve. In: Biodiversity of the Baikal Region. Proceedings of the Biology and Soil Department of the Irkutsk State University 5: 100-107. [in Russian].
- SHILOV V. F. & V. G. SHILENKOV (1977): Rove beetles (Coleoptera, Staphylinidae) of South Cisbaikalia. In.: «Fauna and ecology of insects of East Siberia and Far East». Irkutsk. pp. 62-70.
- VESELOVA, E. M. & A. B. RYVKIN (1991): On the fauna and ecology of Staphylinidae (Coleoptera) of the Yenissey taiga. In: "Biological Resources and biocenoses of Yenissey taiga". Moscow. pp. 178-199.
- YAKOBSON, G. G. (1905-1913): Beetles of Russia and Western Europe. - St. Petersburg. 1024 pp. [in Russian].

Manuskripteingang: 14.02.2006, rev. 20.06.2006

Anschriften der Verfasser:

Dr. A. V. SHAVRIN, Siberian Institute of Plant Physiology and Biochemistry, Lermontova str., 132, RU-664033 Irkutsk

E-mail: ashavrin@hotmail.com

Dr. VOLKER PUTHZ, Limnologische Fluss-Station, Max-Planck-Institut für Limnologie, Damenweg 1, D-36110 Schlitz

E-mail: Stenus.Puthz@t-online.de