A Checklist of the Ground-Beetles of Russia and Adjacent Lands (Insecta, Coleoptera, Carabidae)

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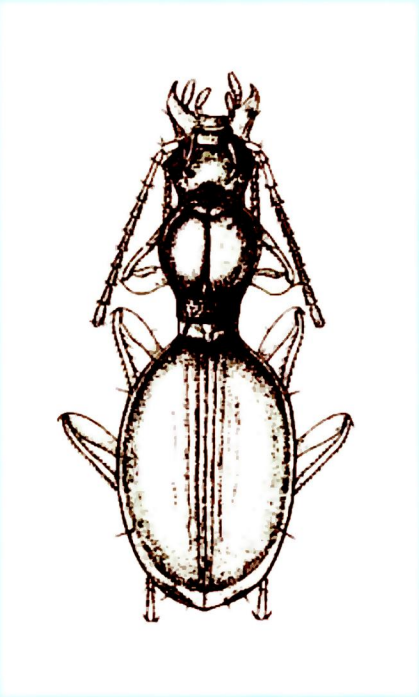

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A Checklist of the Ground-Beetles of Russia and Adjacent Lands

A unique, most meticulous attempt to assess the fauna of a great beetle family within most of the Palearctic. Listing over 3,000 acknowledged species and about 200 genera of the Carabidae populating the ex-USSR, all distributed between its 26 primary physiographic regions and a multitude of subregions, the book is full of taxonomic novelties, including a new subgenus, numerous new combinations, synonyms, revalidations, etc. Bibliography alone lists about 2,900 citations, very many of them Russian, all such titles translated into English. Thoroughly recommended.

Dr. Nikolai B. Nikitsky (Moscow)

A marvelous, most complete and critically revised faunal list, nearly a conventional catalogue, of the ground-beetles (Carabidae) of the former Soviet Union, very neatly compiled, full of information on the taxonomy, zoogeography, and bibliography. Each of the almost 4,000 valid species and subspecies is supplied with exhaustive, often Russian, literature record as well as a list of synonyms, subspecies, varieties, etc., if any. Special remarks concern over 130 taxonomic innovations introduced there, all based on a restudy of pertinent material. The checklist is remarkable in being devoted not only to imagines, which is self-evident, but also to larvae of about 500 species, for which a full catalogue is provided as well. In short, we face a superb piece of work realized by a unique team of top specialists. Absolutely imminent to any active carabidologist!

Dr. Lev N. Medvedev (Moscow)

Cover design by Kirill Makarov, the beetle is *Broscosoma semenovi* Belousov & Kataev 1990, from the Caucasus, del. I. Belousov

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CONTENTS

1 Introduction

1.1 Historical

The first data concerning carabid beetles of the Russian Empire date back to the second half of the XVIII century, since the earliest works of the founders of zoology in Russia, in particular by P. S. Pallas (1772-1779, 1781-1806). Similar studies were carried out those days also in other countries, mainly in Europe, gradually laying the fundmentals of Palearctic carabidology.

Early in the XIX century, numerous faunistic descriptions as regards the faunas of the southern parts of Europe, the Caucasus, Siberia (Ch. Steven, M. Adams) as well as several species lists (J. A. Dwigubski, J. Krynicki, etc.) appeared. Perhaps the most important steps in such faunistic studies were made by Russia's first professional entomologists G. Fischer von Waldheim (1771-1853) and E. Ménétriés (1801-1861). The latter specialist contributed particularly heavily to the fauna of the Caucasus. He was also one of the first explorers of Siberia and Central Asia and the godfather of the Russian Entomological Society, founded in 1861. F. Gebler contributed a lot to the ground-beetle fauna of the Altais and Kazakhstan, while F. A. Kolenati continued with his valuable studies partly concerning the Carabidae of the Caucasus, Transcaucasia, Siberia and Kazakhstan. The role of Finnish entomologists was extremely important in the studies of Siberian insects as well as of many other regions (K. M. Mannerheim, C. R. Sahlberg and R. F. Sahlberg). The name of V. I. Motschulsky (1810-1871) deserves special mention. He was a Russian Headquaters officer who explored intensively many areas of Siberia, the United States, India, etc., having described hundreds of new arthropod species, including Carabidae.

The Russian entomologist M. Chaudoir (1816-1881) was perhaps the first who studied solely ground-beetles. He published a catalogue of the Caucasian fauna and a series of valuable monographs. Among other famous Russian entomologists of the second half of the XIX century, E. Ballion, A. Morawitz and S. Solsky also deserve mention, all being the counterparts and contemporaries of such renown coleopterologists as L. Ganglbauer, L. Heyden, G. Kraatz, E. Putzeys, E. Reitter, H. Schaum, etc., who worked in Western and Central Europe.

A. P. Semenov-Tian-Shanskij (1866-1942) made an epoch in Russian zoogeorgaphy and systematics, working quite actively on Carabidae as well. His friend T. S. Tschitschérine (1869-1904) specialized in the tribes Pterostichini, Zabrini, and Harpalini, having alone described over 600 species and dozens of genera. G. G. Jacobson (1871-1927) elaborated one the most important catalogues of and keys to Palearctic beetles (1905-1916, not completed, Carabidae published in 1905-1907). V. N. Lutshnik, F. A. Zaitzev and D. V. Znojko (regrettably, the latter, a gifted student who published mainly as a co-author of A. P. Semenov, died young) dealt mostly also with the Carabidae of Russia and the Caucasus.

From the beginning of the XX century until World War II, numerous European authors studied Palearctic carabids. Among them, particularly active and prolific were V. Apfelbeck (fauna of the Balkan Peninsula), A. Baliani (*Amara* of Eurasia), M. Bänniger (*Nebria*, Scaritini etc.), S. Breuning (*Calosoma*, *Carabus*), E. Csiki (world catalogue of Carabidae, about 18,000 species, also the fauna of Hungary), K. Holdhaus (fauna of the Alps, *Microlestes*), A. Horion (faunistics of Middle Europe), W. Horn (Cicindelini), R. Jeannel (many groups, especially Trechini), C.H. Lindroth (carabids of Fennoscandia) A. Jedliºka (mostly fauna of SE and E Asia); J. Müller (*Dyschirius*, *Bembidion*), F. Netolitzky (Palearctic *Bembidion*), A. Schatzmayr (Pterostichini and some other tribes), E. Schauberger (Harpalini) and many others.

After World War II, studies on Carabidae resumed with even a greater zeal. Many regional publications started discussing not only Palearctic, but extra-Palearctic groups as well.

In the former USSR, a big team of ecologists and soil zoologists was founded by the Muscovites K. V. Arnoldi (1901-1982) and M. S. Ghilarov (1912-1985), with many important contributions to ground-beetles. Thus, since 1958 their student I. Kh. Sharova has been engaged specifically in carabid life-forms and larvae. Simultaneously, most interesting investigations concerning cavernicolous carabids were performed by S. I. Ljovuschkin.

In St. Petersburg (Leningrad until 1992), O. L. Kryzhanovskij has long been involved in research in zoogeography and systematics, especially in Carabidae. Many of his successors and students specialize(d) in separate genera or tribes, e.g. V. M. Emetz in the tribe Lebiini, particularly the genus *Cymindis* (during the 1970's), V. A. Michailov mostly in the Tajikistan fauna (since 1970), G. Sh. Lafer in the Far Eastern fauna (since 1973), V. G. Shilenkov in the faunas of East Siberia and Mongolia as well as in the Palearctic tribe Nebriini (since 1971); O. R. Aleksandrovich has been especially active in stydying the fauna and ecology of carabids of Belarus (since 1979). Since the early 1980's, a group of younger specialists has joined in, including I. A. Belousov (St. Petersburg: Trechini, Bembidiini, Pterostichini, *Carabus*, carabids of the Caucasus), V. Y. Dolzhansky (Moscow: cave Trechini), D. N. Fedorenko (Moscow: Dyschiriini), I. I. Kabak (Almaty, the Kazakhstan and Tian-Shan faunas, especially *Carabus*, Trechini and Pterostichini, *Cymindis*), B. M. Kataev (St. Petersburg: Harpalini), E. V. Komarov (Volgograd, *Badister*, *Microlestes*, *Synthomus*, *Philorhizus*; carabids of the southern Volga River region), K. V. Makarov (Moscow: larvae of Carabidae, especially of *Carabus*, faunistics of carabids), T. N. Vereschagina (St. Petersburg, tribe Sphodrini), A. S. Zamotailov (Krasnodar, the fauna and systematics of the tribes Deltomerini and Patrobini as well as of the genus *Carabus*), and some others.

Since the 1950's, S. M. Iablokoff-Khnzorian studies the beetles, including Carabidae, of Armenia and, to a lesser extent, of Middle Asia and other republics of Transcaucasia. Between 1958 and 1972, V. N. Kurnakov published valuable data on the Caucasian fauna as well (*Carabus*, *Deltomerus*, *Pterostichus*, etc.).

These efforts have been paralleled by very many other authors dealing with the faunas of Europe, Mediterranean, Central and Eastern Asia. Perhaps the most outstanding among them were the Frenchman R. Jeannel (1879-1965) and the Swede C. Lindroth (1905-1969), followed by the Austrians E. Kirschenhofer and K. Mandl, the Canadians G. Ball, H. Goulet and A. Larochelle, the Czechoslovaks M. Fassati, A. Jedliºka, K. Hurka, K. Kult, Z. Mlyna®, P. Moravec, the Frenchmen Th. Deuve, J. Mateu, P. Morvan, C. Jeanne, G. Perrault and some others, the Germans L. Blumenthal, H. Freude, W. Heinz, F. Hieke, G. Müller-Motzfeld, D. Wrase, etc., the Italians G. Binaghi, A. Casale, M. Magistretti, R. Sciaky, A. Vigna-Taglianti, the Japanese A. Habu, J. Imura, S. Morita, T. Nakane, K. Tanaka, S.-I. Uéno, etc., the

Moroccan M. Antonine, the Dutchmen R. Hengeveld, K. Desender, H. Turin, the Spaniards A. Machado, J.P. Zaballos, the Brit M. Luff, and many others.

Since the 1970's, enormous materials of carabid beetles deriving from various parts of the former Soviet Union have been collected/accumulated owing to the activities of numerous resident carabidologists: O. R. Aleksandrovich, E. E. Alekseeva, A. A. Bar¡evskis, A. Dadamirzoev, V. F. Feoktistov, A. I. Fomichev, T. K. Imekhenova, E. I. Khotko, A. G. Koval, A. E. Kozlov, Yu. I. Korobeinikov, L. V. Lapshin, L. P. Molodova, E. Z. Nasirova, S. V. Ovtshinnikov, G. N. Pavlova, A. A. and S. V. Petrusenko, S. A. Pileckis, N. G. Rekk, V. B. Rizun, S. I. Sigida, A. N. Smetanin, M. A. Stiprais, S. V. Utyanskaya, Kh. Kh. Shashimishev, R. M. Vasilieva, G. I. Yuferev, A. K. Zherebtsov, etc. As a general result of these and many other studies, the first volume of the "Fauna of the USSR" series was published, specially devoted to carabids (Kryzhanovskij, 1983).

During the last few years, several specialists from St. Petersburg (Lobanov, 1986; Lobanov, Mikhailov, 1987) and, a bit later, from Moscow have started compiling and using computerized databases for the storage and analysis of data on the fauna and taxonomy of various animal groups. As regards carabid beetles, the first publications using such a procedure have already appeared as well, devoted to certain genera (*Carabus*, cf. Kryzhanovskij & Shilenkov, 1983) or certain regions (SW of Middle Asia, cf. Lobanov, Mikhailov, 1987). In 1989, a computerized database, CARABIDA(E), concerning the taxonomy of USSR carabids was launched at the Zoology & Ecology Department of the Moscow Pedagogical State University, based originally on a handwritten catalogue by O. L. Kryzhanovskij. The first version of that database covered 3,182 taxa, including 2,987 acknowledged species. The database has since been reviewed and updated by I. A. Belousov, S. V. Beloborodov, O. E. Berlov, T. N. Vereschagina, P. K. Eremin, A. S. Zamotailov, I. I. Kabak, B. M. Kataev, E. V. Komarov, O. L. Kryzhanovskij, K. V. Makarov, A. V. Matalin, A. V. Putshkov, V. G. Shilenkov, D. N. Fedorenko, S. I. Cherkasov. As a result, it currently contains already 10,463 taxa, including 3,098 acknowledged species.

1.2 Acknowledgements

The authors feel obliged and most grateful to all colleagues who contributed to this work.

D. N. Fedorenko (Moscow) submitted many valuable data, some unpublished materials included, concerning the tribe Dyschiriini. Useful data on the systematics and distribution of certain groups were given to us also by A. S. Zamotailov (Krasnodar: *Deltomerus*, Caucasian *Carabus*), F. Hieke (Berlin: *Amara*), T. N. Vereschagina (St. Petersburg: Sphodrini) , A. V. Matalin (Moscow: *Stenolophus*), E. V. Komarov (Volgograd: some groups of Licinini and Lebiini), A. G. Koval (St. Petersburg), S. V. Beloborodov (Krasnoarmeisk: *Bembidion*), S. I. Cherkasov (Moscow: Cicindelinae), D. W. Wrase (Berlin: Harpalini), D. Lomakin (Tyumen, *Cryobius*) and O. E. Berlov (Irkutsk: Siberian *Carabus*).

We also acknowledge the help of P. K. Eremin (Moscow) in providing many important comments on the taxonomy and distribution of little-known members of the subgenus *Cryobius*, genus *Pterostichus*.

Concerning the knowledge of larval stages, the help of A. V. Putshkov (Kiev) was of great value. Besides, he also refined significantly our data on the ranges and systematics of *Cicindela*.

We wish to thank particularly also Dr. Lyubomir D. Penev and Dr. Sergei I. Golovatch for their advice, editorial help and the publication of this paper.

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1.3 The geographical regioning accepted in the Checklist

Principles

Informations about the geographical distributions of carabids are presented in the Checklist in the form of a hierarchical system of geographical area units. All the territory of the former Soviet Union, that is, Russia and adjacent lands, has been divided into 26 units of the first order. None of these is a zoogeographical region, being instead a mere information unit reflecting the distribution of carabid species. Coding the distributions as based on the geographical units implies a certain compromise between the extremely detailed data required for the local and/or endemic species, on one hand, and the need for a compact presentation/record of widespread forms, on the other. In part, this compromise has been overcome due to a hierarchical principle applied to the coding procedure. Rooting from the objectives of this paper, special emphasis has been placed here on a purely descriptive, not zoogeographical, approach to a regioning. Yet in a cryptic form, a considerable proportion of the primary units delimited herein are biogeographical in pretext, being based on an analysis of real species distributions. Let us cope with that in due length.

The range of a species is determined first of all by vitability of certain areas. The most evident in this respect is co-ordination necessary between the species' autecological requirements and the region's climatic conditions. The latter depend on two types of factor. The latitude of and continentality at a site are paramount as determining the overall sum of warmth and humidity received by a given region. The orographic structure of an area is among the strongest modifier factors capable of a radical redistribution of both warmth and humidity and often causing most conspicuous climatic inversions. Such complex patterns of climatic modifications in mountainous lands create considerable difficulties for a faunistic regioning.

A direct and purely climatic impact on species distributions occurs rather seldom, this being evident from examples drawn from actively spreading taxa (e.g. *Carabus nemoralis* O.F. Müll.) or forming unexpected disjunctions (e.g. the Ural populations of *Carabus exaratus* Quens. and *C. janthinus* Ganglb., acclimation of *Pterostichus caspius* Mén. in Europe, introductions of a number of European species into North America). Northern borderlines between West and East Siberia, of the Maritime Province and Turan, all known to be determined first of all by drastic changes in temperature and humidity indices, can serve as examples of climatic boundaries.

More often, climate affects indirectly, determining the patterns of interaction between species culminating in the formation of certain biocenoses. Each biocenose is characterized by its own set of habitats, and it is the latter that are explored by species from a viewpoint of suitability of microclimatic conditions. In this case, cenotically determined borders evolve associated with a dominating type of vegetation. For instance, the southeastern borderline between East Siberia and Transbaikalia roughly corresponds to the distribution limit of pine forests.

To be successfully colonized, an area must be not only vitable but also available to species, the latter circumstance being determined by the species' dispersal capacities. These are effectuated against the background of the site's geographical particulars and in relation to the taxon's ecological properties.

Thus, in apterous species with limited dispersal capacities, various relief elements can serve as serious, sometimes insurmountable, biogeographical barriers, e.g. river valleys, watersheds, intermontane depressions, etc. Territorial patchiness and heterogeneity is determined for such species both by the degree of development and topography of hostile landscapes. Bordelines between the landscapes of open and closed types are thereby especially important. For example, the alpine and subnival belts are barriers to forest-dwellers, forests to steppe species, deserts to sylvicoles, etc. In flying species, zonal-climatic barriers outlining survival areas much more often, and geomorphological relief particulars much more seldom, become decisive.

Of course the above situation is somewhat simplified as ignoring both a historical aspect, i.e. the evolutionary interactions between the above factors in time, and the problems of interspecific competition often playing a decisive role in determining the ranges of closely related allopatric vicariants.

One of highly complex cases refers to the criteria to be used for a demarcation of the montane and plain faunas. These are most obviously distinguishable by the borders between open and closed landscapes. Yet the problem becomes even more complicated in the cases when the mountains and adjacent plains support landscapes of the same type. Such are the arid and forestless mountains of Central Asia, on one hand, and cryophilic (oligothermic) taiga forests of the north and east, on the other. In the former case, an arid plain fauna gradually turns into alpine and adnival via a steppe one. In the latter case, the most drastic change in the fauna coincides with the upper forest line. According to Sergeev (1988), in most of the mountain systems of Middle Asia, borders seem best to be drawn between the montane slopes and lowland plains, while in the montane regions of South Siberia and the southern Far East at an altitude of about 2,000 m a.s.l.

Table 1. An approximate number of species per region

Region	All species	Local species
A	442	99
B	402	17
C	420	8
D	737	39
E	346	33
F	513	4
G	1194	647
H	408	79
I	495	67
J	140	18
K	275	7
L	163	0
M	261	0
N	390	3
O	445	12
P	588	90
Q	226	31
R	819	393
S	510	210
T	717	131
U	528	12
V	476	35
W	244	27
X	164	24
Y	561	215
Z	213	63

The main traits of modern distributions in Carabidae could have been developed during the latest, most active, phases of Alpine orogenesis known to have resulted in the formation of the Alpine - Hindu Kush Folding Belt (Carpathians, Altais, Pamirs) as well as the mountain systems of northeastern Siberia (Koryakskoye Upland, Kamchatka, Kuriles, Sakhalin as parts of the Pacific Folding Belt). Still earlier stages of Cenozoic folding could hardly have left any extant traces, perhaps with the exception of relatively few relict groups at the level of individual genera or even tribes. The Miocene seems the most probable temporal border still allowing for certain speculations about modern carabid faunas to be made at the specific level. In any event, an early and vast development of mid-montane landscapes in the conditions of a subtropical climate reported in the Miocene from areas currently supporting some high, often severe, mountain systems suggests such a faunal continuity. Among the later events, the formation of the modern distributions in Carabidae seems to have been especially strongly affected by the Pleistocene glaciations, though with a quite opposite consequence. Indeed, orogenic processes must have promoted speciation, whereas glaciations could have at best only redistributed the already established biodiversity, rather favoring local or total extinctions.

Some carabid distribution patterns, presumably largely glaciation-induced, are well-known, e.g. boreo-alpine, refugial, etc. Yet within greater mountain systems, the internal faunal structure as affected by glaciations always appears much more complex, difficult to assess and often displayed in repeated redistributions of closely related allopatric species.

Summing up, one ought to admit that the difficulties in outlining the numerous subdivisions of such a vast area as Russia (s. l.) often arise from a varying nature both of the borders between species ranges and the territories themselves.

Again, based on the above, the entire territory of Russia and adjacent lands has been divided into 26 regions of the first order, all coded in capital letters. The borders between them are presented in Maps 1-3.

The above regions differ widely in carabid species diversity (Tab. 1) as well as in the number of local and endemic forms. The greatest number of species, including local ones, is observed in the mountainous areas of the Caucasus, Middle Asia, South Siberia, and the southern Far East. In contrast, such "plain" regions as northern and, partly, central Siberia are both less species-rich and devoid of endemics. The regions especially complex in a chorological aspect have been further subdivided into areas of the second and third orders. Yet we consider it necessary to downgrade the hierarchical level of some areas supporting a poor carabid fauna as well, for:

- as a result of future explorations, some of such regions, e.g. the montane northeastern Siberia, can prove to actually harbor endemic forms, hence warranting significant changes to be introduced into the present-day lists;

· the above information approach to delimiting the (sub)regions is indirectly based on presumed dispersal and speciation capacities of the Carabidae, hence the disclosed irregular pattern of (sub)regional distribution of carabid diversity may be natural.

All subregions of the second and third orders are coded in small letters and numerals, respectively. The designations are arranged from west to east and from north to south. Therefore the species more or less strongly zonal or regional in distribution usually display relatively compact groups of codes.

Two cases present evident difficulties to any system of formal coding:

· distributions of intrazonal, synanthropic and/or anthropochorous species penetrating various, often numerous, zones, belts and regions via special habitats;

· especially local forms.

As a compromise, special remarks have been introduced for such cases (see below).

Description of the (sub)regions*

Each (sub)region is outlined by geographical, mainly geomorphological, borders. Besides, data are provided on the dominating relief, vegetation and soil type(s), all concluded by the administrative units encompassed by those borders.

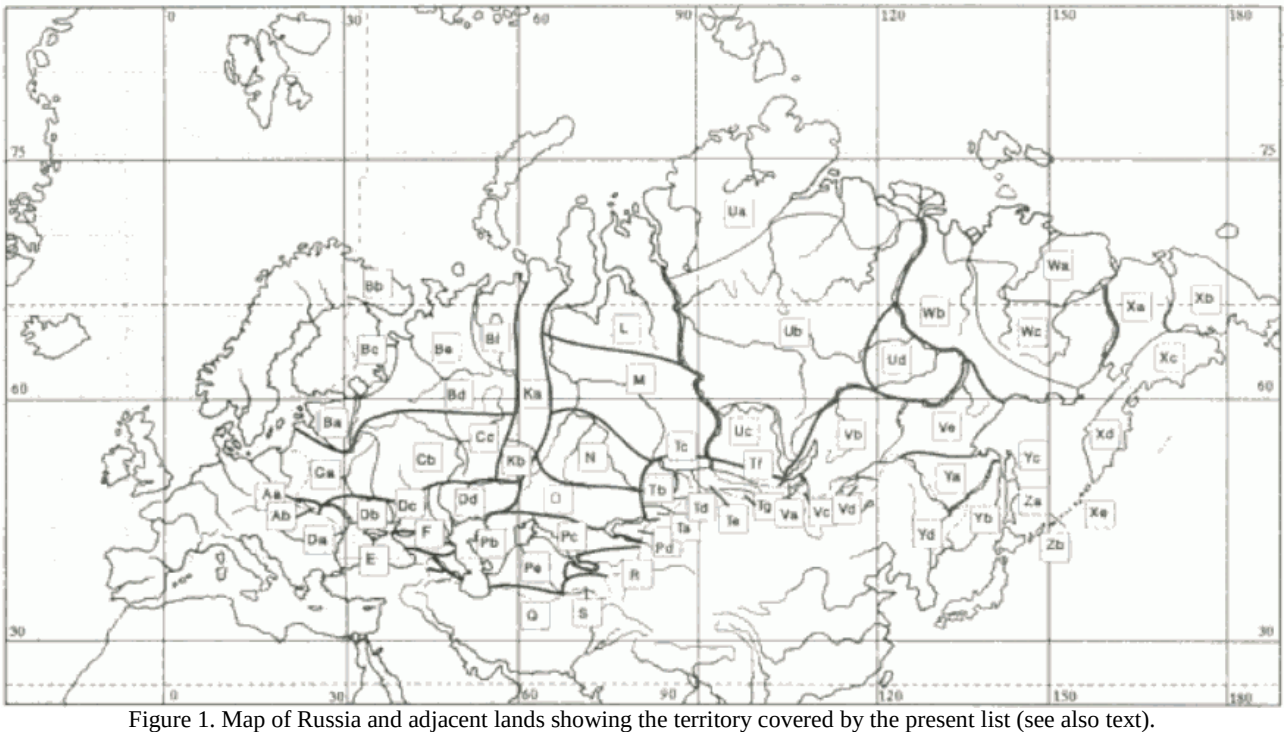

Figure 1. Map of Russia and adjacent lands showing the territory covered by the present list (see also text).

A The Ukrainian Carpathians and Transcarpathia

Bordering the Russian Plain from the southwest. Within the Ukraine, it harbors the central part of the Eastern, or Forest, or Ukrainian, Carpathians. This is a province of the Eastern Carpathians of the Carpathian Mountain System. The border between the Carpathians and the Russian Plain lies along the line: River Vishnya (right tributary of River San) - River Dnestr - Ivano-Frankovsk - River Kolomya - River Prut across the Ciscarpathian Foredeep. These are moderately high mountains of a young Alpine folding within the Zakarpatskaya and Ivano-Frankovskaya areas as well as the SW part of the Lvovskaya Area.

A *a* The Carpathian arch includes five main mountain masses: Outer (Skibovye) Carpathians, Watershed-Verkhovinskie Carpathians, Poloninsko-Chernogorskie Carpathians, Chivchinsko-Rakhovsky Massif, and Volcanic Carpathians. The NE part of Zakarpatskaya Area, Ivano-Frankovskaya Area and the SW part of Lvovskaya Area.

A *b* Transcarpathia lies fully within the Transcarpathian Lowland (= Chop-Mukachevskaya Tectonic Depression) in the SW part of the Zakarpatskaya Area.

B Northern Russian Plain

The North Russian Province of the Russian Plain as well as the Karelo-Finnish and Finnish-Bothnic provinces of Fennoscandia. This is a plateau supporting a glacial accumulative relief. From the south, the region is delimited by the Kama, Volga, Oka and Zapadnaya Dvina river valleys. An area of dark coniferous and mixed broadleaded-coniferous forests within Estonia, Latvia; the Murmanskaya, Arkhanguelskaya, Leningradskaya, Novgorodskaya, Pskovskaya, Yaroslavskaya, Kostromskaya, Vologodskaya areas, Komi Republic and Nenets Autonomous Region.

B *a* Baltic (except for Lithuania)

The Baltic Moraine-Lake Plain with southern taiga and broadleaved-coniferous forests. It is delimited from the north by the Baltic Sea, from the south and southeast by the former borders of the Late Pleistocene Valdai Glaciation, i.e. Zapadnaya Dvina - Lake Pskovskoe. It includes Estonia, Latvia and the W parts of the Pskovskaya, Leningradskaya and Novgorodskaya areas.

B *b* Kola Peninsula

* The present subdivision is based on the works of Voskresensky et al. (1980), Dobrovolsky & Uryksevskaya (1984), and Tochenov (1983).

The Kola tundra-taiga beyond the Arctic Circle. The Khibiny Mts are stratified as follows: foothill forest (130-420 m a.s.l.), forest-tundra (up to 550 m a.s.l.), montane tundra (550-700 m a.s.l.), and fruticulose-lichen tundra (over 700 m a.s.l.). The dominating vegetation types are tundra and dark coniferous (north taiga) forest within the Murmanskaya Area.

B *c* Karelia

The Karelian Isthmus within the Karelian Autonomous Region, delimited from the south by the Onega (= Onezhskaya Guba) Bay - Onezhskoe and Ladozhskoe lakes. Light north taiga pine forests.

B *d* The western part of the North Russian Plain

Delimited from the east by the N spurs of the Valdai Upland (to Lake Onezhskoe) up to the orographical Valdai-Onezhsky Escarpment. It comprises a part of the Leningradskaya Area, the Pskovskaya Area as well as the western Novgorodskaya Area.

B *e* The central part of the North Russian Plain

The Yaroslavsko-Kostromskaya and Mariiskaya lowlands within the Kostromskaya, Viatskaya (= Kirovskaya) and Permskaya areas, Udmurt Republic, southwestern Komi Republic (up to the Timansky Chain). Podzolic soils, dark fir and spruce-fir taiga.

B *f* Pechera Plain

A marine-moraine, tundra-taiga plain situated in the NE of the Russian Plain between the Timansky Kryazh Chain in the west and the Urals in the east, all within the Nenets Autonomous Region and Komi Republic. Podzolic soils supporting tundra and taiga.

C The central part of the Russian Plain

The southern border roughly coincides with the line: Volyno-Podolskaya Upland - southern slopes of both Middle Russian (at the sources of the Don River) and Cisvolga uplands - Kama River valley. The region covers Lithuania, Belarus (= Byelorussia), the Kaliningradskaya, Brianskaya, Tulskaya, Orlovskaya, Ryazanskaya, Vladimirskaya, Tverskaya, Nizhegorodskaya (= Gorkovskaya) and Penzenskaya areas, Mari El Republic and a part of Tatarstan Republic. This is the Middle Russian Province of the Russian Plain harboring the Middle Russian Upland, the Oksko-Donskaya and Middle Dneprovskaya lowlands.

C *a* West

Roughly corresponding to the Pripyatsko-Dneprovskoe Polesye on fluviglacial sands between the borders of the Moscow and the Dnepr glaciations. A slightly undulate, strongly swampy (50-80%) plain supporting light pine forests and lying within Lithuania, Belarus, the Kaliningradskaya, Brianskaya and Smolenskaya areas.

C *b* Center

The Middle Russian Upland: the central part of the southern half of the Russian Plain, a watershed between the Atlantic and Aral-Caspian basins. Broadleaved and broadleaved-coniferous forests of the Tulskaya, Orlovskaya, Kaluzhskaya and Moskovskaya areas.

C *c* East

The eastern part of the Pripyatskoe Polesye - Meshchersko-Vetluzhskoe Polesye. A slightly undulate, strongly swampy plain supporting mixed broadleaved-dark taiga forests and lying within the Ryazanskaya, Vladimirskaya, Tverskaya, Gorkovskaya (= Nizhegorodskaya), Penzenskaya areas, Mordov (= Mordovian), Mari El (= Mariiskaya) and a part of Tatarstan republics.

D Southern Russian Plain

The South Russian Province of the Russian Plain, with its southern geomorphological border coinciding with the line: Kumo-Manychskaya Depression - Buzachi Peninsula - Aktyubinsk.

D *a* Southwestern part

Moldova (= Moldavia)

D *b* South: the Ukraine (**D *b* *1*** - Cisdnepr area; **D *b* *2*** - Transdnepr area)

D *c* The steppe zone of the South Russian Plain within the Voronezhskaya and Rostovskaya areas as well as the Cisvolga part of the Saratovskaya Area.

D *d* The desert-steppe zone of the South Russian Plain within the Volgogradskaya and Astrakhanskaya areas as well as the Transvolga part of the Saratovskaya Area, Kalmyk Republic.

D *d* *1* - Cisvolga area and **D *d* *2*** - Transvolga area

E The montane Crimea

The southern part of the Crimean Peninsula and the Kerch Peninsula. The mountains are Upper Triassic and Jurassic deposits, the Kerch Peninsula is Paleo-Neogene in age. The southern Krymskaya Area of the Ukraine.

F Ciscaucasia

Delimited from the south by the northern macroslope of the Caucasus, the northern border coinciding with the line: Rostov/Don - Kuma River mouth.

F *a* Western Ciscaucasia

Extending up to the Stavropolskaya Upland in the east, it covers the plain parts of the Krasnodarsky Province, the Rostovskaya Area S of the Manych Lakes system as well as the Stavropolsky Province W of Stavropol.

F *b* Eastern Ciscaucasia

Ranging from the Stavropolskaya Upland to the plain parts of Daghestan and Chechnya (the Nogaiskaya Steppe).

G The Caucasus Major

The Caucasian Mountains of the Crimeo-Caucasian Mt. Land, with a high-montane and an alpine relief and foothill plains. The N slope of the Caucasus Major is taken up by a series of cuestas: the Skalistyi, Patsbishchnyi, and Lesistyi ranges. On the S macroslope, similar karstic formations are less strongly expressed, with a developed belt only in the W part up to Racha in the east.

The Caucasus Major begins from the accumulative Kubano-Azovskaya and Kumo-Terskaya lowlands.

G *a* Western Caucasus

Ranging from the town of Anapa to Elbrus Mt., with the borderline along the E macroslope of Elbrus Mt., the area covers the montane part of Krasnodar Prov., Abkhazia and Karachaevo-Cherkessia.

G *a* *1* The NW Caucasus, up to the Bolshaya Laba River basin, including the Abishir-Akhuba Mt. Range in the east Caucasus

G *a* *2* The East-Kuban Caucasus, ranging from the Bolshoi Zelenchuk River basin in the west to Elbrus Mt. in the east

G *a* *3* Abkhazia

G *b* Central Caucasus

A high-montane land ranging from the E slopes of Elbrus Mt. to Krestovy Pass and covering Kabardino-Balkaria, North and South Ossetia, NW Georgia (Svanetia and Megrelia).

G *b* *1* Kabardino-Balkaria

G *b* *2* Ossetia: North and South, including the Racha and Surami Mt. ranges

G *b* *3* Svanetia (including the Lechkhumi Mt. Range)

G *b* *4* Megrelia together with the Colchidan foothills

G *c* Eastern Caucasus

Ranging from the Kazbek Mt. meridian in the west to Sumgait River in the east, with high-montane alpine landscapes and deciduous forests W, as well as forestless to small-leaved forest medium- to low-montane territories E, of the Babadagh Massif. The area includes the montane parts of Ingushetia, Chechnya, Daghestan, northern Azerbaijan and the adjacent regions of Georgia (Kakhetia).

G *c* *1* Checheno-Kakhetian, extending up to Avarsky Koisu River (northern macroslope of the Caucasus Major) and Zakataly Distr. of Azerbaijan (southern macroslope) in the east, it encompasses the W regions of both Daghestan and Azerbaijan as well as Kakhetia.

G *c* *2* Southern Daghestan and northern Azerbaijan

H The Caucasus Minor

The Caucasus Minor begins from the W spurs of the Meskhetian (= Adzharo-Imeretian) Mt. Range and covers the Trialetian and Shakhdagh Mt. ranges up to the Murovdagh in the east. It lies within Georgia, including Adzharia, SW Azerbaijan, and N Armenia.

H *a* Colchidan Lowland

The Colchidan Lowland extends up to the Likhi Mt. Range which separates it from the Kura Lowland.

H *b* The Adzharo-Imeretian and Trialetian Mt. ranges bordering the next subregion (**H *c***) along the watershed of the Trialetian Mt. Range.

H *c* The mountain ranges and uplands of North Armenia up to Lake Sevan in the southeast and up to the Murovdagh in the east

I Uplands of Armenia

The steppified, arid mountains in the N part of Armenian Upland, including the Aragats Massif, the Gegam, Vardenis, Zanguezur Mt. ranges, the Karabakh Upland, the Arax Depression, and Zuvant. This region covers Armenia, Nakhichevan, SE Azerbaijan, and Karabakh.

I *a* Armenian Upland

The Armenian Upland ranges from the Aragats Massif to the Karabakh Upland, the latter included.

I *b* Arax Valley

The Arax Valley encompasses solely arid landscapes on the S slopes of the Zanguezur Mt. Range, the Daralaguez and Megri Mt. ranges included, as well the southernmost Erivan Depression.

I *c* Zuvant

The Zuvant Depression in the extreme SE of Azerbaijan (Lerik Distr.)

Figure 2. Subdivision of the Caucasus and adjacent territories (see also text).

J The Talysh Mts

The relict Hyrcanian broadleaved forests of the Talysh Mts in the extreme SE of Azerbaijan, within its Lenkoran, Astara, Masally, and Yardymly districts.

K The Urals

The low- to medium-sized mountains of the Uralskaya Mt. Land.

K *a* Northern Urals

K *a* *1* Cispolar and Polar Urals

The Pai-Khoi Mt. Range between Yugorsky Shar and Kara River (400-450 m a.s.l.), the Transpolar Urals from Konstantinov Kamen to Sob-Yeletsky Pass (up to 1,000 m a.s.l.), the Polar Urals up to the upper reaches of Khulga River (up to 1,472 m a.s.l.), the Cispolar Urals between the Khulga and Shuguer rivers (the most strongly elevated part, Narodnaya Mt., is 1,895 m a.s.l.). The subregion borders the adjacent parts of Komi Republic in the west and the Yamalo-Nenets plus Khanty-Mansi autonomous regions in the east.

K *a* *2* Middle Urals

Down to Ufa River in the south, the northern Urals from Telpoziz Mt. to the Kosvinskie Kamni (1,500 m a.s.l.), the Middle Urals down to Yurma Mt. (<1,000 m a.s.l.) in the south, all within the mountainous parts of the Permskaya and Ekaterinburgskaya (former Sverdlovskaya) areas.

K *b* Southern Urals

The southern Urals (S of Ufa River valley) range from Yurma Mt. to the latitudinal flow of Ural River (up to 1,640 m a.s.l.). The Mugodzhary Chain belongs to the Kazakhstan Region. The subregion concerned covers Bashkir Republic (=Bashkortostan) and the E part of the Chelyabinskaya Area.

L Northern West Siberia

Delimited by the Urals in the west and by both Yenisei Chain and Middle Siberian Table-land escarpments in the east. The S border roughly crosses the Siberian Spurs.

Both tundra and forest-tundra N of the Arctic Circle within the Salekhard-Yenisei sector. This is the Northern Province of the West Siberian Plain Land, with the plains of Yamal and Guydan and lowlands. The lowest are the Lower Obskaya, Nadymskaya, Purskaya, Tazovskaya, Kondinskaya, and Vakhskaya lowlands. The area covers the N part of Tyumenskaya Area: Yamalo-Nenets Autonomous Region.

M The middle stretch of West Siberia

The zone of taiga ranging from the Urals to Yenisei River, with the S border crossing the N escarpment of Ishimskaya Plain and the Om River basin. This is much of the Southern Province of the West Siberian Plain Land (except for N). Stratified accumulative uplands: Vasyuganskaya, Siberian Spurs, Cis-Ob Plateau. Up to 70% West Siberian Plain are taken up by swamps, the Middle Ob Province is a flat, lacustrine, strongly swampy plain. The area covers the S part of the Tyumenskaya Area: Khanty-Mansi Autonomous Region.

N Southern West Sibera

The SW part of the Southern Province of the West Siberian Plain Land, delimited in the east by the Ob River valley, from the south by the N slopes of Kazakhstan Folding Land, encompassing the Ishimskaya Plain and Barabinskaya Lowland.

The Chulymo-Yeniseiskaya Province: the SE part of the forest-dwampy zone.

The Barabinskaya Province: a forest-steppe plateau within the Ob-Irtysh interfluve.

The region covers the Omskaya Area, the southernmost Tyumenskaya Area as well as the W of the Novosibirskaya Area.

O The plains of Kazakhstan

Central Kazakhstan: from Mugodzhary Chain (from 657 m a.s.l. to semi-deserts), Turgaiskoe Plateau, Kazakhstan Folding Land, down to about the line: Aral - Balkhash.

The Turgai-Betpakdala Province of the Turan Land and the Central Kazakhstan Land: Cisbalkhashia and the Northwestern Province. Lowlands and plateaus. The Kokshetau and Ulytau uplands as well as the Tenguiz-Kurgaldzha and Dzhezkazgan depressions in the west, while in the east a more or less regularly elevated area, with the Kyzyltas (up to 1,565 m a.s.l.), Kent (1,469 m a.s.l.), Karkarala (1,403 m a.s.l.), Chinghiztau mountains (1,305 m a.s.l.). Also Akshatau Mts, the N foothills of Tarbagatai Mt. Range and the Zaisan Depression.

Kazakhstan: the Severokazakhstanskaya, Kokchetavskaya, E Turgaiskaya, Karagandinskaya, Akmolinskaya (= former Tselinogradskaya), Pavlodarskaya, Semipalatinskaya (except for SE), Dzhezkazganskaya and S of Vostochnokazakhstanskaya areas, the W part of the Altaisky Province (Kulunda).

P Turan

The plains of Middle Asia and a part of Transcaucasia.

The N border coincides with the line: Emba River valley - S extreme of the Mugodzhary - Ulytau Upland. The S border is formed by the Kopetdagh Mts and Karabil Upland.

The Turan Plain Land: the Aral-Karakum, Ustyurt-Mangyshlak, and Kyzylkum-Muyunkum provinces. Also included is the Transcaucasian Intermontane Depression of the Crimeo-Caucasian Mt. Land as well as plateaus (Krasnovodskoe, Mangyshlakskoe, Turgaiskoe, Ustyurt, Kyzylkumskoe) and alluvial plains. Isolated sandy deserts - "kumy".

Provinces: Western plateaus (up to the Uzboi Waterbed) and Karakum.

P *a* Kura-Arax Lowland and Apsheron Peninsula. The Talysh Lowland is an orographic continuation of the Kura Lowland.

Georgia, Azerbaijan.

P *b* Transcaspian Plateau: Krasnovodskoe, Mangyshlakskoe, Ustyurt, etc.

Delimited in the east and south by the ancient Uzboi Waterbed, in the west by the Caspian Sea.

The Mangyshlakskaya (Kazakhstan) and N Krasnovodskaya (Turkmenistan) areas as well as W Karakalpak Republic up to the Amu Darya River valley (Uzbekistan).

P *c* Southern Kazakhstan: the flat part from the region's N borders down to the Kyzylkumy in the south, up to the Aitau Mt. Range in the east. The Moyunkumy Sandy Desert.

The Kyzyl-Ordinskaya, N of Dzhambulskaya and N of Chimkentskaya areas of Kazakhstan, N Uzbekistan.

P *d* The sands of southern Cisbalkhashia

Delimited by the Chu-Ili Mts in the west, by the Tian-Shan Mts in the south and east, by Lake Balkhash and the Alakol Depression in the north.

The NE parts of the Alma-Atinskaya and Taldy-Kurganskaya areas of Kazakhstan.

P *e* Karakumy and Kyzylkumy

The sandy deserts of Turkmenistan and Uzbekistan, Turan Lowland.

Turkmenistan: the S Krasnovodskaya, Tashauzskaya, Ashkhabadskaya, and Chardzhouskaya areas; Uzbekistan: Karakalpak Republic E of Amu Darya, the Bukharskaya and Navoinskaya areas, the W Chimkentskaya Area.

P *f* Fergana Valley

Sandy-cleyey deserts and desertified foothills.

The Namanganskaya, Andizhanskaya and Ferganskaya areas of Uzbekistan.

P *g* The cleyey and gypsum deserts of SW Tajikistan (the Surkhan-Daryinskaya and Vakhshskaya valleys)

The Surkhan-Daryinskaya (Uzbekistan) and Kurgan-Tyubinskaya (Tajikistan) areas.

Q The Kopetdagh

The northernmost Turkmeno-Khorassan Province of the Iranian Table-land. Medium-sized mountains, plateaus, foothill plains of the Kopetdagh.

The extreme S of Turkmenistan.

Q *a* Western

The Syunt-Khassardagh Massif, Mondzhukly, Kyurendagh, Karaguez Mt. ranges and low hills.

The SE part of the Krasnovodskaya Area.

Q *b* Central

The mid-montane part of the Range from Karagura Mt. in the west to the Zirakev Mt. Range in the east.

The S Ashkhabadskaya Area of Turkmenistan.

Q *c* Eastern

The low-montane part from the Zirakev Mt. Range to Tedzhen.

The SE Ashkhabadskaya Area of Turkmenistan.

Q *d* Badhkyz & Karabil

Highlands in the extreme S of Mary Area, Turkmenistan.

R Tian-Shan

A land of revived orogenesis in Middle Asia, the latter's Tian-Shan Province. A high-montane and an alpine relief, table-lands, plateaus, lowland plains and intermontane depressions.

R *a* Dzhungarsky Alatau Mt. System

The Kaikan, Zhabyk, Kunguei, Tastau, Ispul, Dzhungarsky Alatau, Kokzhota, Mynshukyr, Koitas, Zhumankol, Toksanbai, Altynemel, Koyandytau, Suattau, Bukhansyrtau, Tyshkantau, Muztau, Bedzhintau, Kichik-Kazantau Mt. ranges and their spurs.

The E of Taldy-Kurganskaya Area of Kazakhstan.

R *b* Northern

The Chu-Ili Mts, Zailiisky Alatau and Kunguei Alatoo Mt. ranges, the Turaigyr, Syugaty, Kuluktau Mts, the Ketmen and Yelshinbuiryuk Mt. ranges, the Terskei Alatoo (except for its W part) Mt. Range with its E spurs Kopyl, Basulytau, the Meridionalny and E Kirghizsky Mt. ranges, the Issyk-Kul Depression.

The S and E parts of the Alma-Atinskaya Area of Kazakhstan and the Issyk-Kulskaya Area (except for its SE) of Kirghizstan.

R *c* Central

The Sary-Dzhaz River basin down to the Kokshaal-Too Mt. Range in the south. The S slope of E Terskei Alatoo Mt. Range as well as the Sary-Dzhaz, Inylchektoo, Kaindy-Katta, Keolyuiu-Too, Maibash Mt. ranges, and the N slope and spurs of E Kokshaal-Too Mt. Range.

The SE Issyk-Kulskaya Area of Kirghizstan.

R *d* Inner

The Naryn, Uzengyu-Kuush and Aksai river basins, the S slope of the Kirghizsky Mt. Range and the Terskei Alatoo Mt. Range with all its W part, the SE Talassky Alatau, Susamyr, Dzhumgol, Kavak-Too, Sonkul-Too, Moldo-Too, Baiduly, Karadzhorga, Nura, Dzhetim, Dzhetim-Bel, Naryntoo, Chaartash, Akshiirak (western) Mt. ranges, the W slopes of Akshiirak (eastern), the Borkoldoi, Kekkiirin-Too, Dzhaman-Too, Baibiche-Too, Atbashi Mt. ranges, the NE slope of the Fergansky Mt. Range, the N slope of Kokshaal-Too Mt. Range.

The Narynskaya, S Issyk-Kulskaya and E Dzhelal-Abadskaya areas of Kirghizstan.

R *e* Western

The Talassky Alatau (except for the E part), W Kirghizsky, Karzhantau, Pskemsky, Maidantal, Chandalashsky, Keksuisky, Chatkalsky (and its spurs), Kuraminsky, Atoinoksky, Bazbutau, Fergansky (SW slope), Karatau Mt. ranges.

Kazakhstan: the Chimkentskaya, S and W Dzhambulskaya areas; Uzbekistan: the Tashkentskaya and Namanganskaya areas; Kirghizstan: the Oshskaya, Talasskaya and Dzhelal-Abadskaya areas; Tajikistan: the N Leninabadskaya (Khudjantskaya) Area.

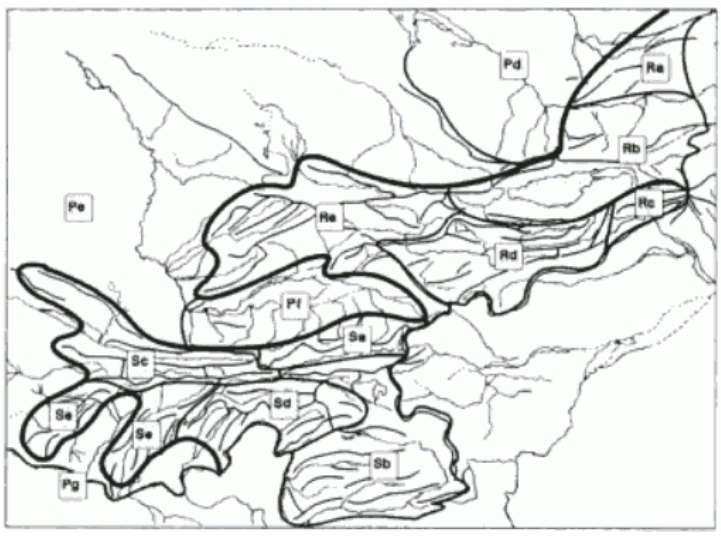

Figure 3. Subdivision of the Middle Asian mountains: Tian-Shan (R) and SE mountain region (see also text).

S Mountains of SE Middle Asia

The Pamirs-Tajik Province of the Pamirs-Hindu Kush Mt. Land and the Alai Province of the middle-aged mountains of Middle Asia (**S *a*** & **S *c***, respectively). A high-montane and an alpine relief, uplands.

Delimited by the Piandj River in the south.

S *a* Alai

Includes the Alaisky, Zaalaisky, and Kichik-Alai Mt. ranges in the S of the Oshskaya Area of Kirghizstan.

S *b* Badahshan-Pamirs

The W Pamirs (Badahshan Mts) include the Akademii Nauk, Beleuli, N Tanymas, Zulumart, Vanchsky, Yazgulemsky, Rushansky, Shugansky, Ishkashimsky and Shakhdaryinsky Mt. ranges, while the E Pamirs the Sarykolsky, Muzkol, Pshartsky, N and S Alichursky, E Vakhansky Mt. ranges as well as uplands over 3,500 m a.s.l.

The Mountainous Badahshan Autonomous Region of Tajikistan.

S *c* Hissar

Delimited by the slopes of Nuratau and Turkestansky Mt. ranges in the north, by spurs of the Aktai and Zeravshansky Mt. ranges in the west. The subregion includes the Nuratau, Aktau, Turkestansky, Belisynyk, Zeravshansky, Hissarsky, Chakchar, Machitli, Karateghinsky Mt. ranges.

The Leninabadskaya and Dushanbinskaya areas of Tajikistan.

S *d* Darvaz

Delimited by the Piandj and Vanch river valleys in the south, by Surkhob River in the north, by Kyzylsu River and its affluents in the west, and by the sources of Obikhingou River in the east.

The subregion includes the Vakhshsky, Peter-the-Great, Khozratishoh and Darvazsky Mt. ranges.

The E Dushanbinskaya Area and the extreme W of the Mountainous Badahshan Autonomous Region.

S *e* Low-montane ridges of S Tajikistan and Uzbekistan

The South Tajik Depression with an armored relief type.

The Kuhitangtau, Baisuntau, Sukhaktau, Babatagh, Tuyuntau, Aktau, Karatau, Teriklitau, Piandjsky Karatau Mt. ranges.

The Surkhan-Daryinskaya Area of Uzbekistan, the Kurgan-Tyubinskaya and Kulyabskaya areas of Tajikistan, E Turkmenistan.

T The Altais-Sayan Mt. Land

An area of revived orogenesis in Central Asia: the Dzhungaro-Zaisan, Altais, West Sayan (including Tuva), and East Sayan provinces of the South Siberian mountains. A high-montane relief (Altais), uplands, plateaus, foothill plains, the Tuva Intermontane Depression.

T *a* Tarbagatai, Saur

Kazakhstan: The SE Semipalatinskaya and S Vostochnokazakhstanskaya areas.

T *b* Southern and southwestern Altais

T *b* *1* Southern Altais

The S border follows the fracture between the S Altais and Zaisan Depression, with the South Altai, Azutau, Kurchumsky, Tarbagatai, Sarym-Sakty and Narymsky Mt. ranges situated between the valleys of the rivers Black Irtysh, Bukhtarma and Lake Zaisan.

T *b* *2* Southwestern Altais

The mountains N of Bukhtarma River, S and W of the Kholzun, Listvyaga and Stanovoi Belok Mt. ranges. The subregion includes the Ivanovsky, Ubinsky, Ulbinsky and Prokhodnoi Belok Mt. ranges.

The Vostochnokazakhstanskaya Area of Kazakhstan, a part of both Altai Republic and Altaisky Province.

T *c* Kuznetsky Alatau

Delimited by the Yenisei and Chulym river valleys in the north and east, by Abakan River in the south, by Tom River in the west.

The Kuznetsky Alatau, Sargaya, Tighirtysh, Kosinsky, Sakhsar, Abakansky Mt. ranges, the Solgonsky and Batenevsky chains.

Khakassian Republic (except for its S part), the E Kemerovskaya Area.

T *d* Central and eastern Altais

The W border lies along Katun River, delimited by the Ukok Highland and Sailyughem Mt. Range in the south, by the Tsagan-Shibetu and Shapshalsky Mt. ranges as well as by the upper reaches of Abakan River in the east.

The W part lies W of Katun River. The Koksuisky, Korgonsky, Bashelaksky, Anuisky, Seminsky, Terektinsky Mt. ranges.

Central Altais: a mountainous area situated within the Katun-Chulyshman interfluve and encompassing the Iolgo, Kuminsky, Sumultinsky, Altyntu, Tongosh, Aigulaksky, Saldzhar, Kuraisky, North- and South-Chuisky, Sailyughem, Katunsky Mt. ranges, the Ukok and Ulaganskoe highlands, the Uimonskaya, Abaiskaya, Kuraiskaya, and Chuiskaya steppes.

Eastern Altais: Shapshalsky Mt. Range and Chulyshmanskoe Highland.

Altai Republic, the extreme SW of Tuva (= Tuva Republic).

T *e* Western Sayan

The Karlygan, Khansyn, Shaman, Chukut, Saldzhur, Sailyg-Khem-Taiga, Dzhoisky, Dzhebashsky, Taskyl, Kanteghirsky, Sayansky, Khemchiksky, Borus, Berezovsky, Oisky, Aradansky, Mirskoi, Kutushibinsky, Khaidym, Yergaki, Sheshlir-Taiga, Shandym, Ergak-Targak-Taiga Mt. ranges.

The S Krasnoyarsky Province and the extreme N of Tuva.

T *f* Eastern Sayan

The Manskoe Belogorye, Koiskoe Belogorye, Kuturchinskoe Belogorye, Idarskoe Belogorye, Kanskoe Belogorye, Shindinsky, Kryzhyina, Mezhduozerny, Agulskie Belki, Tagulsky, Gutarsky, Yaghi, Badan, Biryusinsky, Dzhuglymsky, Udinsky, Dashtyg-Art, Dototsky, Bulgutuisky, Ukhtum-Iisky, Okinsky, Shitsky, Kropotkina, Surkhoisky, Shele, Bolshoi Sayan, Belskie Goltsy, Kitoiskie Goltsy, Tunkinskie Goltsy Mt. ranges.

The E Krasnoyarsky Province, the W Irkutskaya Area and NW Buryatia (= Buryat Republic).

T *g* Tannu-Ola and Tuva

The Tuva Depression and Tuva Upland (including the Western and Eastern Tannu-Ola Mt. ranges) E of Shapshalsky Mt. Range. Delimited by the Yenisei Basin (Bii-Khem) in the north and by the Ubsu-Nurskaya Depression in the south.

The Alashskoe Plateau and the Tsagan-Shibetu, W Tannu-Ola, Adar-Dash, Uyuksky, Bert-Dagh, E Tannu-Ola, Tastyl, Ottug-Taiga, Akademika Obrucheva, Kadyr-Eghi-Taiga, Ulug-Archa, Ulug-Taiga, Kut-Taiga, Khorumnug-Taiga, Senghilen Mt. ranges.

Tuva Republic.

T *h* Minusinskaya Depression

Delimited by the Kuznetsky Alatau Mt. Range in the west, by the E Sayan in the north and east, by the West Sayan in the south.

Koibalskaya Steppe and Minusinskaya Depression.

The Krasnoyarsky Province.

U Middle Siberia

The plains, uplands and lowlands of E Siberia between the Yenisei and Lena river valleys. The Kuznetsko-Minusinskaya Province of the South Siberian mountains.

The main geomorphological provinces: Middle Siberian Table-land, Yakutian, northern Middle Siberia. Highlands.

U *a* North Siberian Lowland

The Taymyr-North Siberian Land separated by Yenisei River in the west, by the Olenek River valley in the east, by a chain of plateaus (Putorana, Anabarsko-Olenekskoe, etc.) in the south. The subregion comprises the Taimyr Peninsula (Byrranga Mts), the Severnaya Zemlya, Nordenskiold, etc., archipelagos as well as the North Siberian Lowland.

The Taimyr (Dolgano-Nenets) Autonomous Region and NW Yakutia (= Yakut-Saha Republic).

U *b* Middle Siberian Table-land

The Middle Siberian Table-land unites a system of 17 plateaus. The N border crosses the spurs of the Putorana and Anabarskoe plateaus, the NE extreme of the Vilyui Plateau; delimited in the east both by the E margin of the Vilyui Plateau and Lena River (up to Ust-Kut), and then by Angara River. The W border is represented by Yenisei River.

The subregion comprises the Putorana and Tungus provinces: W Middle Siberian Table-land in the Nizhnyaya and Podkamennaya Tunguska basins. The border lies along the S periphery of Putorana Plateau and the upper reaches of Vilyui River, then along the Pondkamennaya Tunguska-Angara interfluve. The subregion is characterized by a less strongly pronounced continental climate.

The mountains: Lontokoisky Kamen, Kharayelakh, Lamskie, Keta, Chan-Ayal, Ayaktal, Brus-Kamen; the plateaus: Putorana, Anabarskoe, Yang, Yaktali, Vilyuiskoe, Tungusskoe, Zaangarskoe, Central Tungusskoe and Leno-Angarskoe, W Prilenskoe Plateau; the chains: Angarsky and Yeniseisky.

The Krasnoyarsky Province: the extreme S of Taimyrsky Autonomous Region, the Evenk Autonomous Region, N Irkutskaya Area and W Yakutia (= Yakut-Saha Republic).

U *c* Cisangaria

Delimited by the East Sayan in the south, by the mountains flanking Lake Baikal in the east, by the Angara-Podkamennaya Tunguska interfluve in the north.

The Cisagarian Plateau and SW Angarsky Chain, Biryusinskoe Plateau, Katyrminsky Mt. Range, Irkutsko-Cheremkhovskaya Plain.

The SE Krasnoyarsky Province and the SW Irkutskaya Area.

U *d* Yakutskaya Depression

Delimited in the north and east by Aldan and Lena rivers (downstream of the Aldan mouth), in the west by the Vilyui River valley and then across toward the Olekma River mouth.

Central Yakut Plain and E Prilenskoe Plateau.

The Central Yakut Province supports forests and meadow steppes.

Central Yakut-Saha Republic.

V Transbaikalia

Mountains of South Siberia: the Baikalo-Patomskaya (Stanovoe Upland), Baikalian (Khamar-Daban and Vitim) and Transbaikalian provinces. Medium-sized mountains, the Barguzinskaya and North Baikal intermontane depressions. The Baikal Mountainous Land. Cisbaikalia is a system of mountain ranges and depressions along the W and E banks of Lake Baikal.

V *a* Khamar-Daban Mt. Range

Delimited by the Irkut River valley in the northwest, by the Selenga River valley in the east. This subregion includes the Khamar-Daban, Lesser Khamar-Daban, Khagarulsky, Klyuchevskoi, Dzhidinsky Mt. ranges.

S Buryat Republic, the extreme S of the Irkutskaya Area.

V *b* Stanovoe and Vitimskoe uplands

Transbaikalia is a system of flat-topped mountain ranges and table-lands E of the line: Khamar-Daban - Barguzin. Delimited in the SE by the Chikoi, Ingoda, Chita, Vitim river valleys.

Western Transbaikalia: up to the Yablonovyi Mt. Range, including the Vitimskoe Table-land: Barguzinsky Mt. Range; Vitimskoe Table-land (North and South Muisky, Lesser Kholtan, Muyakansky, Ikatsky, Golondinsky, Ulan-Burgasy, Kurbinsky, Zusy, Byisykhan Mt. ranges); Yablonovyi Mt. Range system (Khudansky, Tsaga-Daban, Tsaga-Khurtein, Zagansky, Malkhansky Mt. ranges).

Central Transbaikalia: from the S borders of the preceding subregion down to the Shilka River valley in the south and to Olekma River in the east.

Dahurian Elevation (Dayrsky, Cherskogo, Olekminsky Mt. ranges).

Olekminskoe Upland (Yankan, Olekminsky Stanovik, Muroisky, Tungarsky, Khorkovyi, Sovachkin, etc., Mt. ranges), the Cherskogo Mt. Range together with the adjacent S system of ridges: Asinsky, Menzinsky, Chikokonsky, Onon-Baldzhinsky, Ermana, Dahursky, etc.

Northern Transbaikalia: Stanovoe Upland, a group of mountain ranges from the N part of Lake Baikal to Olekma River (Synnyr, Verkhneangarsky, Deliu-Uransky, Kalarsky, Udokan).

The S border: Verkhnyaya Angara - Muya - Kalar river valleys.

The North Baikal (Kropotkina, Dyryndinsky Mt. ranges) + Patomskoe uplands, the Olekmo-Charskoe Table-land.

Buryat Republic and the adjacent Chitinskaya Area.

V *c* Selenga Dahuria

The Selenga River valley S of Ulan-Ude between Khamar-Daban Mt. Range and the S spurs of Yablonovyi Mt. System.

Steppes in the Selenga River basin.

The extreme SE of Buryatia.

V *d* Onon Dahuria

Steppes in the Shilka-Argun interfluve.

The extreme SE Chitinskaya Area.

V *e* Aldanskoe Upland and Stanovoi Mt. Range

Delimited in the west by the Olekma River valley, in the north by Aldan River. The subregion comprises a system of the mountain ranges forming both Aldanskoe Upland (Chuganskoe Table-land, Amghinsky, Tommotsky, West Yanghi, Zvereva, Aldano-Uchursky, Sutano-Gonamsky, Ket-Kap, Lurikan) and Stanovoi Mt. Range (Stanovoi, Tokinsky Stanovik, Dzhugdyr, Maisky, Gheran, Ulkansky, Dzhugdzhur, Pribrezhnyi).

The SE of Yakut-Saha Republic, the N Amurskaya Area and the N Khabarovsky Province.

W Northeastern Siberia

This Northeastern Mountainous Land is situated E of Lena River and Aldan lower flow. The S border is a latitudinal extent of Lena River and Aldan lower flow to about the mouth of Amga River, then up to the town of Okhotsk along the S spurs of Suntar-Khayata Mt. Range.

These are the Verkhoyano-Suntarkhayatinskaya, Yano-Oimyakono-Kolymskaya, Cherskaya and Stolovo-Dzhungarskaya provinces of the Far Eastern Land. A midmontane relief. The Lensko-Vilyuiskaya, Sredneindighirskaya, Kolymskaya and Anadyrskaya alluvial lowlands.

NE Yakut-Saha Republic, the extreme N of the Khabarovsky Province and the SW of the Magadanskaya Area.

W *a* The Yano-Kolymskaya (Yana-Kolyma) Plain

A system of lowlands (Yano-Indighirskaya, Abyiskaya, Kolymskaya) delimited in the south by a low-montane relief, i.e. the Kular Mt. Range, Polousny Chain, Momsky Mt. Range, Yukaghirskoe Table-land, in the west by the spurs of Kharaulakhsky Mt. Range, in the east by the mountains on the right bank of Kolyma River. The subregion includes also the Novosibirskie and Lyakhovskie islands.

Tundra, frozen soils.

The NE of Yakut-Saha Republic.

W *b* Verkhoyanskaya Mt. Area

Delimited in the west by Lena, Aldan and Maya rivers, the eastern border lies along the Skalistyi and Suntar-Khayata Mt. ranges including the Yana River valley.

This subregion comprises the mountain systems of the Verkhoyansky (Kharaulakhsky, Dzhardzhansky, Sietindensky, Kalar, Byrandia, Kuyellyakhsky, Taghinoyansky, Kuturghinsky, Munkinsky, Keltersky, Sordoghinsky, Khunkhadinsky, Skalisty, Sette-Daban, Ulakhan-Bom) and Suntar-Khayata Mt. ranges (Chelat, Net-Taga, Yudomsky, Kukhtuisky).

North taiga larch forest.

E Yakut-Saha Republic, the exteme N Khabarovsky Province.

W *c* Cherskaya Province

From north to south, the subregion ends by the Elghinsky, Yansky and Oimyakonsky uplands, in the east it is delimited by the western edge of the Indighiro-Kolymskaya Lowland, by Kolyma River down to the mouth of Seimchan River and then across toward Pyaghina Peninsula. The western border lies along the valleys of Yana River and its tributary Adycha River.

The Cherskogo Mt. System (Kyun-Tas, Nemkuchensky, Selennyakhsky, Irghichinsky, Khadaranya, Kisilyakh, Kurunda, Dogdo, Tas-Khayakhtak, Chemalghinsky, Chibagalakhsky, Onelsky, Porozhnyi, Silensky, Ulchansky, Ulakhan-Chistai, Tas-Kystabyt, Khalkansky Mt. ranges), the Borong, Momsky, etc., Mt. ranges; the Yanskoe Upland (Tirekhtyakhsky, Nendelghinsky, Nelghechinsky Mt. ranges), Yanskoe and Oimyakonskoe table-lands.

E Yakut-Saha Republic, the extreme W Magadanskaya Area.

X The North Cispacific Land

A part of the Northeastern Land: the Yukaghiro-Anyuiskaya and Okhotsko-Chokutskie provinces; the Kamchatka-Kuriles Land: the Kamchatskaya, Penzhinsko-Anadyrskaya and Koryakskaya provinces. Uplands. The Koryakskaya Province harbors uplands, tundras and elfin woodlands (up to 2,562 m a.s.l.). The Penzhinskaya, Anadyrskaya and Kamchatskaya lowlands.

The Magadanskaya Area, Chukot and Koryak autonomous regions.

X *a* Anyuisko-Anadyrskaya Area

This area lies beyond the Arctic Circle E of the lower flow of Kolyma River.

The Magadanskaya Area.

X *b* Chukotka

The W border lies along the Anyuisky Mt. Range and the Yukaghirskoe Upland, the Kolyma River valley up to the Omsuchansky Mt. Range and W spurs of the Kolymskoe Upland; the Wrangel Island.

Yukaghirskoe Upland (Chubukulakh, Siversky Mt. ranges), Kolymskoe Upland (Kuryinsky Chain, Omsuchansky Mt. Range, Nenkoi, Korkodonsky, Konguinsky, Molkaty, Korbendya, Oloisky, Ush-Urekchen, Molongdinsky, Icheghemsky Mt. ranges), Anadyrskoe Upland (Tainykotsky, Rauchansky, Ilirneisky, Anyuisky, Neutensky, Chuvansky, Shchuchy Mt. ranges) and Chukotskoe Upland (Ichuveemsky, Ekvyvatansky, Pegtymelsky, Palyavaamsky, Chentalsky, Ekityksky, Pekulnei, Iskatel, Ghenkanyi Mt. ranges).

The Chukot Autonomous Region (except for W and SW), NW Koryak Autonomous Region and the extreme NE Magadanskaya Area.

X *c* Koryakskoe Upland

Delimited in the south by the Parapolsky Dol Valley, in the north by the Penzhina and Anadyr river valleys. The mountainous system of Koryakskoe Upland: Vetveisky, Vaegsky, Pakhachinsky, Apuksky, Vatyna, Meinypilghinsky Mt. ranges; the Noiverelansky Chain and the Mainskoe Upland.

The N part of the Koryak Autonomous Region and the extreme S of the Chukot Autonomous Region.

X *d* Kamchatka

The Kamchatka Peninsula S of the Parapolsky Dol Valley, Karghinsky and Commander islands.

The mountain systems of the Sredinnyi and Vostovnyi Mt. ranges, the Klyuchevskaya Sopka and Shiveluch volcanos, the Kamchatka River valley.

The N part of the Kamchatkskaya Area and the S Koryak Autonomous Region.

X *e* Northern Kuriles

The Kuriles N of Iturup Island: Urup, Black Brothers, Simushir, Ketoi, Onekotan, Paramushir, Atlasova, Shumshu, etc., islands.

The Sakhalin Area.

Y Cisamuria and the Maritime Province

The Far Eastern (Amursko-Sakhalinskaya) Mountainous Land: the Cisamurian and Maritime (= Primorie) provinces. Medium-sized mountains.

The W border is the Zeya-Olekma interfluve, the N foothills of the Stanovoi Mt. Range.

Y *a* Northern Cisamuria

The Zeisko-Amurskaya (Zeya-Amur) Province is a "triangle" between the block Tukuringra, Dzhagdy, Turana and Lesser Khingan Mts. The interfluve between Zeya and Amur lower flow. Up to 50-80% Amur Basin is taken up by swamps.

N border: Tukuringra, Soktakhan, Dzhagda; the Zeya-Olekma interfluve: Selemzhinsky and Tvikansky Mt. ranges; the S border along the N and W banks of Amur River; the Amursko-Zeiskaya and Zeisko-Bureinskaya plains, the valleys of Zeya, Amur and Amgun rivers.

The N Amurskaya Area, Jewish Autonomous Region, central Khabarovsky Province.

Y *b* Sikhote-Alin

The Sikhote-Alin Geomorphological Area.

The Sikhote-Alin Mt. System and S Cisamuria. Delimited in the south by the E bank of Ussuri River prior to its discharging site into Amur River, then along the Amur Valley. The Livadiisky, Przhevalskogo, Partizansky, Eastern Sinii, Kholodnyi, Pervyi Pereval, Olghinsky, Sikhote-Alin, Dalnii, Bogoladza, Khekhtsyr, Khodzial, Khomli, Tumninsky, Primorsky, Bolshoi Yan, Yan-Indya Mt. ranges.

The N and E Maritime and SE Khabarovsky provinces.

Y *c* North Sakhalin - the North Sakhalin Plain

The Sakhalin Area.

Y *d* South Primorie (Maritime Province)

The W bank of Ussuri River and the W spurs of Sikhote-Alin.

The subregion embodies the Pogranichnyi, Black Mountains, Sinii Mt. ranges; the Cis-Khingan, Ussuri and Khasan lowlands.

The SW of the Maritime Province: Khasansky, Pogranichnyi and Ussuriiski districts.

Z South Sakhalin, South Kuriles

The Sakhalin Province of the Japanese-Sakhalin Land and the Kurile Province of the Kamchatka-Kurile Land. Medium-sized mountains.

Z *a* South Sakhalin

S of the N slopes of the Navilsky and Sakhalinsky Mt. ranges, Moneron Island.

The mountainous part of Sakhalin, the West and East Sakhalinsky, Susunaisky and Tonino-Anivsky Mt. ranges.

The Sakhalin Area.

Z *b* South Kuriles (S of Iturup, the latter island included)

The southern Kuriles: Iturup, Urup, Kunashir, and Habomai islands (Shikotan, Polonskogo, Zelenyi, Anuchina, Tanfilieva).

The Sakhalin Area.

2 The Checklist

2.1 General remarks

The Checklist embodies all carabid species hitherto known in the faunas of Russia and adjacent lands, but excluding 174 species or subspecies prepared for description, mainly from the tribes Trechini (79 species), Nebriini (19), Pterostichini (17), Sphodrini (14), Bembidiini (13), Harpalini (12), Carabini (9), Lebiini (4), Dyschiriini (2), Licinini (2), Agonini (1) and Amarini. While compiling the present paper, 103 taxa have been synonymized, and for further three new replacement names have been proposed. The rank of 23 species has been downgraded to subspecies, and three species have been transferred elsewhere. Besides, further six are nomina nova, and one new subgenus has been erected.

Twenty-nine species have been recorded in the region concerned for the first time, four species have been ejected as erroneous:

Species new to the former USSR territories:

Elaphrus parviceps Van Dyke - NE Siberia
Trechus obliquebasalis Reitter - Terskei Alatoo & Meridionalnyi Mt. ranges
Trechus taghizadehi Morvan - Talysh Mts
Troglocimmerites pasquinii Vigna-Taglianti - Adzharia
Bembidion yokohamae H.Bates - Sakhalin
Bembidion judaicum J.Sahlberg - Transcaucasia
Bembidion decolor Apfelbeck - S Turkmenistan, Kopetdagh Mts.
Bembidion colasi Schuler - Caucasus
Bembidion deliae yasujensis Morvan - Caucasus, Zuvant
Bembidion tolbonuri Müller-Motzfeld - mountains of Middle Asia
Bembidion brittoni Fassati - Khozratishokh Mt.R.
Bembidion hoberlandtianum Fassati - NW Tian-Shan and Hissar-Darvaz
Taphoxenus trochanteralis van Emden - S Turkmenistan, Dushak
Taphoxenus transmontanus Semenov - SE Kazakhstan, Ketmen Mt. Range (Kirghiz-Sai); environs of Narynkol
Anisodactylus punctatipennis A. Morawitz - S Primorie, Khasan Distr.
Bradycellus heinzi Jaeger - Talysh Mts
Dicheirotrichus tenuimanus tenuimanus H. Bates - S Sakhalin & S Kuriles
Dicheirotrichus tenuimanus amplipennis H. Bates - Maritime Prov., Khasan Distr.
Dicheirotrichus roborowskii (Tschitcshérine) - SE Altais & Inner Tian-Shan
Anthracus transversalis Schaum - SW Moldova & Taman
Trichotichnus nishioi Habu - Maritime Prov.
Parophonus dia Reitter - S Turkmenistan, Kopetdagh Mts.
Harpalus platynotus H. Bates - S Sakhalin
Ophonus rebellus (Schauberger) - S Turkmenistan, Kopetdagh Mts.
Ophonus scharifi (Morvan) - Transcaucasia
Ophonus sciakyi Wrase - Caucasus, Transcaucasia, S Turkmenistan (Kopetdagh Mts)
Graniger femoralis Coquerel - Crimea
Anomotarus pakistana (Jedlicka) - Turkmenistan & Tajikistan
Microlestes golvani Mateu - Armenia

Species newly excluded from the list

Carabus imperfectus Semenov
C. infantulus A. Morawitz
Leistus spinangulus Reitter
*Agonum setiporum*m Reitter

Hence, altogether 4,447 valid carabid taxa have become formally referred to in this Checklist, including 3,098 acknowledged species and 4033 species or subspecies from 219 genera. The taxonomic composition at the tribal level is presented in Tab. 2.

2.2 Taxonomy and classification

A general taxonomic survey

The Carabidae, or ground-beetles, is one of the largest and diverse beetle families. In spite of a two-century long history of carabidology, there is no consensus as to the family's scope and subdivisions. Dependent on various approaches, the ground-beetles are treated either as a single family or a complex of two to up to a few dozen families. The suprageneric systematics of carabids is highly complex as well, with views on the higher classification varying a lot.

Starting from the pioneering works of, e.g., Latreille (1802, 1810), Dejean (1825-1831), Schaum (1860), Ganglbauer (1892), G. Horn (1878), etc., such peculiar and distinct subgroups as Cicindelinae, Omophroninae, Paussinae, etc., were recognized. The composition of such higher taxa has since remained quite stable, with discussions mainly concerning only their rank and possible affinities. The remaining ground-beetles were usually united in the sole subfamily Carabinae or allocated within two subfamilies, Carabinae and Harpalinae (Ganglbauer, 1892).

This standpoint had been generally accepted earlier this century (e.g., Sloane, 1923; Csiki, 1927-1932, etc.) until the works of Jeannel (1941-42) who promoted the ground-beetles to a division comprising numerous (over 50) families. Later, Basilewski (1953, 1962) used a similar classification, yet having downgraded these taxa to the rank of subfamilies. Crowson (1955) distinguished the Paussidae and the Trachypachidae as separate families, while the remaining carabids were grouped among four subfamilies: Cicindelinae, Carabinae, Scaritinae, Harpalinae.

Starting from the classics of Lindroth (1961-62), eight subgroups have been allotted a subfamilial status: Paussinae, Carabinae, Cicindelinae, Trachypachinae, Metriinae, Omophroninae, Brachyninae and Pseudomorphinae. The large subfamily Carabinae has thereby been subdivided into a few dozen tribes. To reflect their interrelations, Kryzhanovskij (1976, 1983) has proposed to use supertribes as an annectent taxon, this standpoint having since gained wide support in numerous subsequent publications. Its modified version has been introduced by Trautner & Geigenmüller (1987). These authors have elevated the rank of all tribal groups, with the supertribes and subfamilies becoming subfamilies and families, respectively.

The latest, considerably revised reclassification of the ground-beetles belongs to Erwin (1984, 1991) who has retained their partition into two families, Trachypachidae and Carabidae, with introduction in the latter of divisions as an additional hierarchical level between the families and subfamilies. As a result, the Carabidae is composed of four divisions, six subfamilies, 30 supertribes, and 86 tribes. The scope and composition of the subfamilies differ strongly from Lindroth's classification, yet the division into supertribes generally resembles that of Kryzhanovskij (1983). Thus, the subfamily Carabinae sensu Erwin embodies the supertribes Nebriitae, Loriceritae, Carabitae, Cicindelitae, and Omophronitae; the Scaritinae is represented by Migatopitae, Elaphritae, Promecognathitae, Siagonita, Hiletitae, Pseudomorphitae, and Scarititae, and so on. The division Psydriformes encompassing the sole subfamily Psydritae seems the most controversial as uniting such dissimilar taxa as, e.g., Geringini, Rhysodini, Psydrini, Partobini and Trechini. The isolation of the Rhysodidae is well-grounded both by imaginal and larval characters (Crowson, 1955; Burakowski, 1975; Grandi, 1956; Bils, 1976; Beutel & Roughley, 1988). Furthermore, by larval structure (Arndt, 1993), the Carabidae is much closer to Dytiscidae than to Rhysodidae.

Recently, Arndt (1993) has introduced a cladistic interpretation of a system based on larval features. In some particulars, it agrees with the classifications by Kryzhanovskij and Erwin. In our opinion, of special interest appear both the closer affinities of Cicindelinae and Loricerinae, on one hand, and the separation of Platynini from Pterostichitae, on the other. Yet the position and relationships of the Platynini have remained obscure; perhaps the tribe is closer to Lebiitae than to other supertribes.

Unfortunately, both the classification by Erwin and the innovations by Arndt leave too many questions as to the subdivision of the large subfamily Harpalinae, the latter known to embody the most complex and morphologically diverse subgroups. It seems thereby quite probable that further elaborations of the systematics of Harpalinae will render considerable effect on the rank and interpositions of the other carabid tribal groups.

In this connection, this paper retains the system of Lindroth and Kryzhanovskij which has in general become already traditional.

The Carabidae is accepted here as a monophyletic group (excl. Trachypachidae and Rhysodidae), this being confirmed by paleontological (Ponomarenko, 1977, 1980) and larval morphological (Arndt, 1993) evidence as well.

As regards the family's classification, the "Fauna of the USSR" pattern (cf. Kryzhanovskij, 1983) has largely been conserved, with certain modifications. Thus, the subfamily Carabinae is regarded as a single complex subdivided into supertribes and tribes. The tribe Submerini, distinguished by Lafer (1989), is downgraded to the rank of a subtribe, while the Brachininae is placed near, yet not united with, the Paussinae.

Hence, the Checklist quotes five subfamilies, 22 supertribes, 45 tribes, while the tribes Trechini, Harpalini and Lebiini have been split into subtribes.

In view of vast variations in treating the status and/or scope of suprageneric taxa, their synonymics is largely ignored, except for a few most well-known and important cases.

Classification

Familia *CARABIDAE*
- Subfamilia *CICINDELINAE*
  - Supertribus *CICINDELITAE*
    - Tribus *MEGACEPHALINI*
      - Subtribus *MEGACEPHALINA*
    - Tribus *CICINDELINI*
      - Subtribus *CICINDELINA*
- Subfamilia *OMOPHRONINAE*
  - Tribus *OMOPHRONINI*
- Subfamilia *CARABINAE*
  - Supertribus *NEBRIITAE*
    - Tribus *NEBRIINI*
  - Supertribus *NOTIOPHILITAE*
    - Tribus *NOTIOPHILINI*
  - Supertribus *CARABITAE*
    - Tribus *CARABINI*
    - Tribus *CYCHRINI*
  - Supertribus *ELAPHRITAE*
    - Tribus *ELAPHRINI*
  - Supertribus *LORICERITAE*
    - Tribus *LORICERINI*
  - Supertribus *SIAGONITAE*
    - Tribus *SIAGONINI*
    - Tribus *CYMBIONOTINI*
  - Supertribus *SCARITITAE*
    - Tribus *SCARITINI*
    - Tribus *CLIVININI*
    - Tribus *DYSCHIRIINI*
  - Supertribus *BROSCITAE*
    - Tribus *BROSCINI*
    - Tribus *APOTOMINI*
  - Supertribus *TRECHITAE*
    - Tribus *TRECHINI*
      - Subtribus *PERILEPTINA*
      - Subtribus *TRECHODINA*
      - Subtribus *TRECHINA*
    - Tribus *TACHYINI*
    - Tribus *BEMBIDIINI*
    - Tribus *POGONINI*
  - Supertribus *PATROBITAE*
    - Tribus *PATROBINI*
    - Tribus *DELTOMERINI*
  - Supertribus *PSYDRITAE*
    - Tribus *PSYDRINI*
  - Supertribus *PTEROSTICHITAE*
    - Tribus *MORIONINI*
    - Tribus *PTEROSTICHINI*
    - Tribus *SPHODRINI*

Tribus *PLATYNINI*
Tribus *AMARINI*
Supertribus *HARPALITAE*
Tribus *HARPALINI*
Subtribus *ANISODACTYLINA*
Subtribus *STENOLOPHINA*
Subtribus *HARPALINA*
Subtribus *DITOMINA*
Subtribus *AMBLYSTOMINA*
Supertribus *PERIGONITAE*
Tribus *PERIGONINI*
Supertribus *PANAGAEITAE*
Tribus *PANAGAEINI*
Supertribus *CALLISTITAE*
Tribus *CALLISTINI*
Tribus *OODINI*
Tribus *LICININI*
Subtribus *SUBMERINA*
Subtribus *LICININA*
Supertribus *MASOREITAE*
Tribus *MASOREINI*
Tribus *TETRAGONODERINI*
Tribus *CORSYRINI*
Supertribus *PENTAGONITAE*
Tribus *PENTAGONINI*
Supertribus *ODACANTHITAE*
Tribus *ODACANTHINI*
Supertribus *LEBIITAE*
Tribus *LEBIINI*
Subtribus *LEBIINA*
Subtribus *CALLIDINA*
Subtribus *PLATYTARINA*
Subtribus *DEMETRIINA*
Subtribus *DROMIINA*
Subtribus *CYMINDINA*
Tribus *ANTHIINI*
Tribus *DRYPTINI*
Tribus *ZUPHIINI*
Subfamilia *BRACHININAE*
Tribus *BRACHININI*
Subfamilia *PAUSSINAE*
Tribus *PAUSSINI*

Species-level taxonomy

Wherever possible, the species within the genera have been arranged in an order reflecting their similarities (and presumed closer relationships). In some cases, this order has been further refined as a system of species groups (e.g. in the genera *Nebria*, *Deltomerus*, *Trechus*, *Bembidion*, *Pseudotaphoxenus*, *Harpalus*, subgenus *Myosodus* of the genus *Pterostichus*, etc.). As a rule, in addition to a phylogenetic relationship, a species group more or less strongly implies a geographical isolation of this complex. Numerous species groups in most complicated genera are indistinguishable morphologically from others populating remote areas. Yet discrimination of such groups is widely practised and does seem warranted. In some especially complex genera, the subordination and, consequently, the priority of the subgeneric names in which remains obscure (genus *Harpalus*, subgenus *Peryphus* of the genus *Bembidion*), the species group category has been accepted but provisionally. In the cases when the relationships between the constituent taxa are difficult to interpret, an alphabetical order of presentation has been used (e.g. in the genus *Amara*).

Infraspecific forms and synonymics

The limited scope of the Checklist coupled with difficulties arising from an analysis of old literature sources did not allow as yet to perform a full synonymy for all taxa concerned. When selecting the synonyms, we gave priority to new or rarely quoted names relevant to the Palearctic fauna. Hence a whole number of names mentioned in the catalogues by Jacobson (1905) and Csiki (1927-1933) as well as numerous names established for Nearctic forms have been omitted from the present paper.

In addition, so far as possible the authors tried to retain the hierarchy of subspecific categories reflecting the species' polytypic structure. Although the Code implies the subspecies as the only infraspecific taxon, such terms as form, variety, morph, populations, etc., remain widely used in the entomological literature, often in different senses. The Checklist accepts an hierarchic order of presentation of infraspecific taxa or varieties based both on a traditional understanding of certain terms (cf. Semenov-Tian-Shanskij, 1910c; Rensch, 1929; Breuning, 1932; Iablokoff-Khnzorian, 1968, 1976) and the modern provisions of nomenclature (Jeffry, 1977; International Code of Zoological Nomenclature, 1985; etc.). According to such an approach, all infraspecific categories can be united into two groups:

1. Allopatric (geographical) populations - subspecies or races - characterized by morphological (habitual, as a rule) differences and restricted to a certain part of the species range. Allopatry is full, often with intergradation zones (with the exception of montane species).
   According to the Code, the subspecies is the only valid infraspecific taxon, while such terms as population and nation can be applied to local groups of individuals (= microgeographical races) no matter how strongly these differ morphologically.
2. Sympatric varieties, morphs or aberrations are marked by the absence of their own (sub)ranges. The terms "variety" and "morph" are especially widely used in various senses, hence we offer but purely conventional differences between both. Variety is a sympatric assemblage due to habitat-induced, and morph due to seasonal, variations. Aberrations are random, irregular and more or less strong deviations from the norm, their characteristic feature lying in the absence of individuals transitional toward the norm.

Due to the undeveloped real infrasubspecific structure of numerous species referred to in the Checklist, in some nominal taxa such categories as "variety", "morph" or "aberration" often display no difference in essence. Their various applications are based here almost entirely on the original description and/or later treatments. The Checklist embodies also some names proposed as infrasubspecific since 1960, hence unavailable in terms of nomenclature, but perhaps useful in a way from a taxonomic viewpoint.

Table 2. Taxonomic composition of the ground-beetle faunas of Russia and adjacent lands (the number of unavailable names given in brackets)

		Number of taxa		
Subfamily	Tribe	Genus	Species	Infraspecies
CICINDELINAE	MEGACEPHALINI	1 (1)	1 (-)	1 (2)
	CICINDELINI	1 (-)	56 (58)	60 (164)
OMOPHRONINAE	OMOPHRONINI	1 (2)	3 (-)	2 (2)
CARABINAE	NEBRIINI	3 (-)	114 (69)	30 (18)
	NOTIOPHILINI	1 (-)	23 (12)	-
	CARABINI	3 (1)	325 (458)	377 (577)
	CYCHRINI	1 (-)	7 (7)	2 (2)
	ELAPHRINI	3 (4)	22 (13)	8 (10)
	LORICERINI	1 (1)	1 (2)	2
	SIAGONINI	1 (-)	1 (-)	-
	CYMBIONOTINI	1 (2)	3 (1)	-
	SCARITINI	1 (-)	11 (28)	2 (3)
	CLIVININI	3 (1)	6 (6)	2 (1)
	DYSCHIRIINI	4 (3)	81 (106)	24 (30)
	BROSCINI	5 (4)	11 (10)	-
	APOTOMINI	1 (-)	3 (-)	-
	TRECHINI	26 (10)	340 (81)	51 (6)
	TACHYINI	6 (12)	39 (17)	2
	BEMBIDIINI	4 (4)	348 (331)	114 (118)
	POGONINI	4 (-)	25 (16)	-
	PATROBINI	2 (2)	12 (10)	4
	DELTOMERINI	2 (3)	44 (2)	6
	PSYDRINI	1 (1)	1 (1)	-
	MORIONINI	1 (1)	1 (2)	-
	PTEROSTICHINI	7 (1)	393 (432)	63 (96)
	SPHODRINI	9 (2)	141 (103)	41 (64)
	PLATYNINI	19 (8)	107 (97)	9 (8)
	AMARINI	7 (3)	239 (485)	31 (473
	HARPALINI	40 (31)	391 (562)	76 (231)
	PERIGONINI	1 (3)	2 (10)	-
	PANAGAEINI	3 (-)	7 (7)	-
	CALLISTINI	5 (2)	46 (49)	5 (13
	OODINI	1 (-)	6 (3)	0 (1)
	LICININI	5 (5)	31 (13)	1
	MASOREINI	2 (1)	11 (9)	1
	TETRAGONODERINI	1 (1)	1 (-)	-
	CORSYRINI	2 (-)	3 (-)	2
	PENTAGONINI	1 (2)	1 (-)	-
	ODACANTHINI	1 (2)	2 (3)	-
	LEBIINI	29 (9)	197 (229)	9 (45)
	ANTHIINI	1 (-)	1 (-)	-
	DRYPTINI	1 (-)	2 (3)	-
	ZUPHIINI	2 (2)	9 (5)	1
BRACHININAE	BRACHININI	4 (4)	29 (49)	9 (9)
PAUSSINAE	PAUSSINI	1 (-)	1 (-)	-
Total:		219 (128)	3098 (3289)	935 (1877)

2.3 Explanations to the list

Checklist

Each generic-group taxon is supplied with the following informations: Latin name, author(s) and year of description, type-species with its own author(s) and year of description.

The following data are given for the acknowledged species or subspecies: ordinal number within the genus, Latin name, author(s) and year of derscription, distribution between 26 main regions. For numerous (sub)species, the right part of the line contains refined data on their distributions. Thus, for widespread species, this usually concerns somewhat refined range limits. For example, a line like

18 ***atrata*** PALLAS 1776 `---D-F--------OP----------  Dd Pc`

means that, within the European territory of the former Soviet Union, *Cicindela atrata* Pallas 1776 inhabits only the southeastern part (`Dd`), penetrating Turan through South Kazakhstan (`Pc`).

For locally distributed (sub)species, the range in briefly outlined, e.g.

72 ***dzykhvensis*** BELOUSOV 1990 `------G------------------  Ga3: Middle Abkhazia, basin of Gumista River`

Finally, for taxa with dubious distributions or known solely from the original description, the locus typicus is quoted, e.g.

28 ***palpalis*** MOTSCHULSKY 1850 loc.typ.: "Caucasus"

Distributions warranting confirmation are denoted with a question mark [?], e.g.

19 ***chiloleuca*** FISCHER von WALDHEIM 1820 ---D-F-------NO----TUV---- DbdFbTghUcVcd ?Pf - Jacobson, 1905

All taxonomic novelties (transfers, synonyms, etc.) have been presented in separate footnotes, each concluded by its author(s). Besides, a special index comprising all such innovations is given in conclusion.

Below is a list of abbreviations used in the Checklist.

Designations of geographical units

- **A** Ukrainian Carpathians and Transcarpathia
  - *a* Carpathian Arch
  - *b* Transcarpathia
- **B** North Russian Plain
  - *a* Baltic states (except for Lithuania)
  - *b* Kola Peninsula
  - *c* Karelia
  - *d* Western North Russian Plain
  - *e* Central part of North Russian Plain
  - *f* Pechera Plain
- **C** Middle stretch of Russian Plain
  - *a* West
  - *b* Center
  - *c* East
- **D** Southern Russian Plain
  - *a* Southwest (Moldova)
  - *b* South (Ukraine)
    - *1* - Cisdnepr area
    - *2* - Transdnepr area
  - *c* Southeast
  - *d* East
    - *1* - Cisvolga area
    - *2* - Transvolga area
- **E** Montane Crimea
- **F** Ciscaucasia
  - *a* Western
  - *b* Eastern
- **G** Caucasus Major
  - *a* Western Caucasus
    - *1* - NW Caucasus
    - *2* - East Kuban Caucasus
    - *3* - Abkhazia
  - *b* Central Caucasus
    - *1* - Kabardino-Balkaria
    - *2* - Ossetia
    - *3* - Svanetia
    - *4* - Megrelia with Colchidan foothills
  - *c* Eastern Caucasus
    - *1* - Checheno-Kakhetian
    - *2* - S Daghestan and N Azerbaijan
- **H** Caucasus Minor
  - *a* Colchidan Lowland
  - *b* Adzharo-Imeretian and Trialetian Mt. ranges
  - *c* Mountains of N Armenia
- **I** Uplands of Armenia
  - *a* Armenian Upland
  - *b* Arax Hilly Land
  - *c* Zuvant
- **J** Talysh
- **K** Urals
  - *a* Northern
    - *1* - Cispolar and Polar Urals
    - *2* - Middle Urals
  - *b* Southern
- **L** Northern West Siberia
- **M** Middle stretch of West Siberia
- **N** Southern West Siberia
- **O** Plain areas of Kazakhstan
- **P** Turan
  - *a* Plain parts of Transcaucasia
    - *1* - Kura-Arax Lowland and Apsheron Peninsula
    - *2* - Talysh Lowland
  - *b* Transcaspian Plateau
  - *c* Southern Kazakhstan
  - *d* Sands of S Cisbalkhashia
  - *e* Sands of Turkmenistan and Uzbekistan
    - *1* - Karakumy and Kyzylkumy
    - *2* - West Turkmenian Lowland
  - *f* Fergana Valley
  - *g* Cleyey and gypsum deserts of SW Tajikistan
- **Q** Kopetdagh
  - *a* Western
  - *b* Central
  - *c* Eastern
  - *d* Badhkyz, Karabil
- **R** Tian-Shan
  - *a* Dzhungarsky Alatau System
  - *b* Northern
  - *c* Central
  - *d* Inner
  - *e* Western
- **S** Mountains of SE Middle Asia
  - *a* Alaisky Mt. Range
  - *b* Badahshan-Pamirs
  - *c* Turkestansky, Zeravshansky and Hissarsky Mt. ranges
  - *d* Darvaz
  - *e* Low-montane ranges of S Tadjikistan
- **T** Altais-Sayan Mt. Land
  - *a* Tarbagatai, Saur
  - *b* S and SW Altais
    - *1* - Southern
    - *2* - Southwestern
  - *c* Kuznetsky Alatau
  - *d* Central and E Altais
  - *e* Western Sayan
  - *f* Eastern Sayan
  - *g* Tannu-Ola and Tuva
  - *h* Minusinskaya Depression
- **U** Middle Siberia
  - *a* North Siberian Lowland
  - *b* Middle Siberian Table-land
  - *c* Cisangaria
  - *d* Yakutian Depression
- **V** Transbaikalia
  - *a* Khamar-Daban Mts
  - *b* Stanovoe and Vitimskoe uplands
  - *c* Selenga Dahuria
  - *d* Onon Dahuria
  - *e* Aldanskoe Upland and Stanovoi Mt. Range
- **W** East Siberia
  - *a* Kolymskaya and Yano-Indighirskaya lowlands
  - *b* Verkhoyanskaya Mt. area
  - *c* Cherskaya Province
- **X** Northern Cispacific Land
  - *a* Anyuisko-Anadyrskaya region
  - *b* Chukot Peninsula
  - *c* Koryakskoe Upland
  - *d* Kamchatka
  - *e* Northern Kuriles
- **Y** Cisamuria and Maritime Province (= Primorie)
  - *a* Northern Cisamuria
  - *b* Sikhote-Alin
  - *c* Northern Sakhalin
  - *d* Southern Primorie

Z S Sakhalin, S Kuriles
a S Sakhalin, Moneron Island
b S Kuriles

The English transliterations from the Russian generally follow the simplest standard (see below), while in the administrative divisions the Russian "oblast" stands for Area, "krai" for Province, and "rayon" for District.

Transliteration table
(British Standard 2979:1958)

А	*A*	**Л**	*L*	**Ц**	*TS*
Б	*B*	**М**	*M*	**Ч**	*CH*
В	*V*	**Н**	*N*	**Ш**	*SH*
Г	*G, GH, GU*	**О**	*O*	**Щ**	*SHCH, SCH*
Д	*D*	**П**	*P*	**Ъ**	*(none)*
Е	*E*	**Р**	*R*	**Ы**	*(none)*
Ж	*ZH*	**С**	*S*	**Ь**	*Y*
З	*Z*	**Т**	*T*	**Э**	*E*
И	*I*	**У**	*U*	**Ю**	*YU, IU*
Й	*Y, II, J*	**Ф**	*F*	**Я**	*YA, IA*
К	*K*	**Х**	*KH, H*		

Abbreviations and symbols

Museums

BMNH	Natural History Museum, former British Museum (Natural History), London
DEI	Deutsches Entomologisches Institut, Eberswalde
MNP	Národnai Muzeum v Praze (Museum National Pragae), Prague
NHMW	Naturhistorisches Museum Wien, Wien
MHNP	Muséum National d'Histoire Naturelle, Paris
TMB	Természettudományi Múzeum Allattára (Hungarian Natural History Museum), Budapest
OOLL	Ober-Österreich-Landesmuseum, Linz
SMNH	Naturhistorisk Riksmuseet (Swedish Museum of Natural History), Stockholm
ZIA	Zoological Institute, Armenian Academy of Science, Yerevan
ZISP	Zoological Institute, Russian Academy of Sciences, St. Petersburg
ZMM	Zoological Museum, Moscow State University, Moscow

Latin terms

ab. (aberratio) - aberration
auct. (auctorum) - according to the opinion of older authors
comb. *n*. (combinatio nova) - new combination
in litt. (in litteris) - unpublished record
incertae sedis - uncertain status
incorr. *emend*. - incorrect subsequent spelling
loc. typ. (locus typicus) - type locality
m. (morpha) - morph
nat. (natio) - nation
nom. emend. (nomen emendatum)
nom. *nov*. (nomen novum) - replacement name
nom. obl. (nomen oblitum) - forgotten name
nom. nud. (nomen nudum) - bare name
nom. praeocc. (nomen praeoccupatum) - preoccupied name
non - in the sense of the former but not of the latter author
part. (partim) - in part
sensu - in the sense of (a certain author)
sp. *dist*. (species distincta) - distinct species
sp. *rest*. (species restaurata) - restored species
ssp. (subspecies) - subspecies
stat. *nov*. (status novus) - new status
stat. rest. (status restauratus) - restored status
syn. *nov*. (synonym novum) - new synonym
var. (varietas) - variety

Only some nomina nuda in the Checklist are supplied with the year of introduction, because in many cases no such year could be traced, e.g., when proposed only as labels accompanying certain restudied specimens.

References to larval stages

The section devoted to studies on the morphology of carabid preimaginal stages has been compiled so that each taxon represented by a described larva and/or pupa is referred to as follows:

OMOPHRONINI	*OMOPHRONINAE* Böving, Craighead, 1930: *I1b L?2-3;* H½rka, 1978: *I1b L1-3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3;*
Omophron Latr.	Schaut, 1859: *S1b L (O.tesselatum);* Znojko, 1929b: *I1b L1-3;* Böving, Craighead, 1930: *M1b L (O. ?nitidus);* Silvey, 1936: *S1b L (O.tesselatum);* Gardner, 1938: *S1b L?3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *D1b L1-3;* Landry, Bousquet, 1984: *R3a L1-3;* Arndt, 1991: *D2a L1-3;* Makarov, 1994: *I3b L1-3;*
(Omophron) limbatus F.	Desmarest, 1804: *S1b L?2-3;* Schi └dte, 1867: *S1b L?3;* Ganglbauer, 1892: *S1b L3;* Reitter, 1908: *S1b L?3;* Rousseau, 1909: *S1b L?3;* Raynaud, 1936a: *S1b L2-3;* Jeannel, 1941: *I1b L1-3;* Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *S2a L3;* Arndt, 1991: *I3a L1-3;*

As soon as, in general, the preimaginal stages in the Carabidae are relatively poorly known, for the sake of completeness, the references to supraspecific taxa include the citations relevant to larvae and/or pupae deriving from beyond the territories in question. In such cases, the taxon concerned is put in brackets.
Each reference is briefly characterized by a system of codes:

The pattern of publication includes a reference to the type (small letters) and completeness (numbers and capital letters) of information.

The second group of codes is composed of a reference to the stage(s) described. If the description fails to clearly indicate which stage(s) is/are meant, the stage number(s) is/are omitted.

✓ Type of information

S (de**S**cription)
R (**R**edescription)
D (**D**iagnosis)
I (**V**ariability)
M (**I**dentification)
V (**M**orphology)

↓ The instars described

O (**E**gg)
L1 (**I**nstar **1**)
L2 (**I**nstar **2**)
L3 (**I**nstar **3**)
P (**P**upa)

↑ The scope of information

1 macromorphology
- **a** complete description
- **b** incomplete description

2 micromorphology without chaetotaxy
- **a** complete description
- **b** incomplete description

3 chaetotaxy
- **a** complete description
- **b** incomplete description

2.4. The list proper

Family *CARABIDAE*

Subfamily *CICINDELINAE*

Supertribe *CICINDELITAE*

Tribe *MEGACEPHALINI*

Subrtribe *MEGACEPHALINA*

Genus ***Megacephala*** LATREILLE 1802
Type species: *Cicindela megacephala* OLIVIER 1790
= *Tetracha* HOPE 1838
Type species: *Tetracha carolina* LINNAEUS 1766

Subgenus ***Grammognatha*** MOTSCHULSKY 1850
Type species: *Grammognata euphratica* DEJEAN 1822

1 ***euphratica (Megacephala)*** DEJEAN 1822
ssp. ***armenica (Megacephala euphratica, ssp.)*** CASTELNAU 1834 ------G--------PQ--------- Gc2: Caspian coast, Pabeg, Qd: Er-Oylan-Duz
= *armeniaca (Megacephala euphratica, syn.)* BRULLÉ 1834[134]
= *caspica (Megacephala euphratica, syn.)* J.SAHLBERG 1904

Tribe *CICINDELINI*

Subrtribe *CICINDELINA*

Genus ***Cicindela*** LINNAEUS 1758[135]
Type species: *Cicindela campestris* LINNAEUS 1758

Subgenus ***Eumecus*** MOTSCHULSKY 1850
Type species: *Cicindela germanica* LINNAEUS 1758
= *Cylindera* WESTWOOD 1831
Type species: *Cicindela germanica* LINNAEUS 1758
= *Cylindrodera* BEDEL 1879
Type species: *Cicindela germanica* LINNAEUS 1758
= *Cylindella* JACOBSON 1924
Type species: *Cicindela germanica* LINNAEUS 1758

1 ***germanica (Cicindela)*** LINNAEUS 1758 A-CDEFGHI----N-PQ--TU----- GabcPaQaTchUc; Pa: Apsheron; G: lower altitude
f. *sobrina (Cicindela germanica, f.)* GORY 1833
f. *martorelli (Cicindela germanica, f.)* KRAATZ 1890
? *laeta (Cicindela germanica, syn.)* MOTSCHULSKY 1846
2 ***obliquefasciata (Cicindela)*** ADAMS 1817 ----------------QRSTUV---- RabcSeTabcgUcVcd
ssp. ***obliquefasciata (Cicindela obliquefasciata, ssp.)*** ADAMS 1817 ----------------RSTUV---- RabcSeTabcgUcVcd
ssp. ***kirilovi (Cicindela obliquefasciata, ssp.)*** FISCHER von WALDHEIM 1844 ----------------Q--------- Qd: Murgab valley
= *kirilowi (Cicindela obliquefasciata, syn.)* auct. [incorr. emend.]
= *juliae (Cicindela obliquefasciata, syn.)* BALLION 1870
ssp. ***recta (Cicindela obliquefasciata, ssp.)*** MOTSCHULSKY 1846 ----------------T------ Tb
ssp. ***descendens (Cicindela obliquefasciata, ssp.)*** FISCHER von WALDHEIM 1835 ----------------P-R-------- Pe1fgRb
= *ferganensis (Cicindela obliquefasciata, syn.)* DOKHTOUROFF 1885
= *atrocoerulea (Cicindela obliquefasciata, syn.)* WILKINS 1890 [nom. nud.]
3 ***dokhtourowi (Cicindela)*** V.JAKOWLEW et DOKHTOUROFF 1885 ----------------P-RS------- SbRd; ?Pd - record only by Dokhtouroff, 1885
= *dokhtouroffi (Cicindela)* auct.
= *dochturovi (Cicindela)* auct.
4 ***gracilis (Cicindela)*** PALLAS 1775 ---D--G------NO----TUV--Y- DbdTchUdVcdYa1d; ?Ga: Kashtan-Tau (Jacobson, 1905)
= *tenuis (Cicindela)* FISCHER von WALDHEIM 1828
m. *angustata (Cicindela gracilis, m.)* FISCHER von WALDHEIM 1823
= *daurica (Cicindela gracilis, syn.)* MOTSCHULSKY 1846
m. *longesignata (Cicindela gracilis, m.)* MANDL 1959

Subgenus ***Myriochile*** MOTSCHULSKY 1862
Type species: *Cicindela aegyptiaca* DEJEAN 1825 [= *C.melancholica* FABRICIUS 1798]
= *Monelica* RIVALIER 1950
Type species: *Cicindela fastidiosa* DEJEAN 1825
= *Catopria* GUERIN 1849
Type species: *Cicindela aegyptiaca* DEJEAN 1825

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134 The name *armeniaca* was used by Brullé in 1834 to distinguish a violet form of *M. euphratica* Dej. Later it became clear that the taxon had been described by Castelnau, with all subsequent authors referring to *M. euphratica armeniaca* Cast. 1834. Yet Castelnau's original description mentioned the name *armenica*. Hence the synonymy *armeniaca* Brullé 1834 = *armenica* Cast. 1834 is established here (S. Cherkasov) .

135 The name *Cicindela* is accepted here in the traditionally broad sense. The groupings delimited by Schilder (1953) as genera or subgenera are accepted here as subgenera (S. Cherkasov) .

= *Lutaria* W.HORN 1891
Type species: *Cicindela melancholica* FABRICIUS 1798

5 ***melancholica (Cicindela)*** FABRICIUS 1798 -----FG-I------PQ--------- FbIab; Gc2: only Caspian coast
= *aegyptiaca (Cicindela)* DEJEAN 1825
= *ludia (Cicindela)* DEJEAN 1831
= *hopei (Cicindela)* GISTEL 1837
= *dentilabris (Cicindela)* CHAUDOIR 1844
= *hesperica (Cicindela)* MOTSCHULSKY 1849
= *tantilla (Cicindela)* BOHEMANN 1860
= *vicina (Cicindela)* WOLLASTON 1861
= *microsticta (Cicindela)* KLUG 1862
f. *caucasicola (Cicindela melancholica, f.)* LUTSHNIK 1915 [= *C.aegyptiaca* KLUG 1832]
= *aegyptiaca (Cicindela melancholica, syn.)* KLUG 1832

6 ***orientalis (Cicindela)*** DEJEAN 1825 -----FG-I------PQ--------- FbIab; Gc2: only Caspian coast; Qd: Er-Oylan-Duz
= *dignoscenda (Cicindela)* CHAUDOIR 1846
= *connexa (Cicindela)* CHAUDOIR 1846

Subgenus ***Cephalota*** DOKHTOUROFF 1883
Type species: *Cicindela luctuosa* DEJEAN 1831

= *Taenidia* RIVALIER 1950
Type species: *Cicindela circumdata* DEJEAN 1822

= *Spiralia* RIVALIER 1950 [nom. praeocc.]
Type species: *Cicindela maura* LINNAEUS 1758

= *Cassolaia* WIESNER 1985
Type species: *Cicindela maura* LINNAEUS 1758

7 ***deserticola (Cicindela)*** FALDERMANN 1836 ---D-FG-I-----OPQ--------- DdFbGc2IbQd Gc2:Caspian coast,O: W part,Q: Er-Oylan-Duz
= *ordinata (Cicindela)* V.JAKOWLEW 1885
m. *albonubila (Cicindela deserticola, m.)* TSCHITSCHÉRINE 1903

8 ***kutshumi (Cicindela)*** PUTSHKOV 1993 --------------OP----------
ssp. ***kutshumi (Cicindela kutshumi, ssp.)*** PUTSHKOV 1993 --------------O---------- Akmolinsk reg.: Turgai
ssp. ***susanneae (Cicindela kutshumi, ssp.)*** GEBERT 1994 ---------------P---------- Pd: Ili Riv., 20 km N Nurly

9 ***schrenki (Cicindela)*** GEBLER 1841 ---D----------OP----------
ssp. ***schrenki (Cicindela schrenki, ssp.)*** GEBLER 1841 ---D----------O---------- DdPbde
ssp. ***ordinaria (Cicindela schrenki, ssp.)*** SEMENOV 1904 --------------O----------
ssp. ***transcaspica (Cicindela schrenki, ssp.)*** SEMENOV 1895 --------------O----------
ssp. ***benjamini (Cicindela schrenki, ssp.)*** SEMENOV 1904 ---D----------

10 ***jakowlewi (Cicindela)*** SEMENOV 1895 ---------------P---------- Pe2: N (Caspian coast) & SE (Atrek valley) parts

11 ***elegans (Cicindela)*** FISCHER von WALDHEIM 1824 ---D-FG------NOP---T-V----
ssp. ***elegans (Cicindela elegans, ssp.)*** FISCHER von WALDHEIM 1824 ---D-FG------NOP---T-V---- DdFbGc2PaTbVd
= *decipiens (Cicindela elegans, syn.)* FISCHER von WALDHEIM 1828
= *circumdata (Cicindela elegans, syn.)* KRYNICKI 1832 [nom. nud. non DEJEAN 1822]
= *volgensis (Cicindela elegans, syn.)* DEJEAN 1825
ab. *circumscripta (Cicindela elegans, ab.)* FISCHER von WALDHEIM 1828
ssp. ***stigmatophora (Cicindela elegans, ssp.)*** FISCHER von WALDHEIM 1825 ---D---------- Dbd
= *propinqua (Cicindela elegans, syn.)* CHAUDOIR 1835
= *seidlitzi (Cicindela elegans, syn.)* KRAATZ 1890
= *decipiens (Cicindela elegans, syn.)* SEIDLITZ 1890
ssp. ***turkmenica (Cicindela elegans, ssp.)*** PUTSHKOV 1993 ----------------Q--------- Qd: Er-Oylan-Duz
ssp. ***brunnea (Cicindela elegans, ssp.)*** PUTSHKOV 1993 ---D---------- Db

12 ***besseri (Cicindela)*** DEJEAN 1826 ---D---------NO---------- DbdNO
= *dejeani (Cicindela)* FISCHER von WALDHEIM 1832
var. *heydeni (Cicindela besseri, var.)* KRAATZ 1890
var. *recurvata (Cicindela besseri, var.)* KRAATZ 1890

13 ***circumdata (Cicindela)*** DEJEAN 1822 ---D---------- ? Kherson reg., see Jacobson, 1905
= *dilacerata (Cicindela)* DEJEAN 1829

14 ***galatea (Cicindela)*** THIEME 1881 ---------------P---------- Pf
= *galathea (Cicindela)* auct.
m. *ramosa (Cicindela galatea, m.)* BEUTHIN 1894
m. *viridescens (Cicindela galatea, m.)* BEUTHIN 1894

15 ***atrata (Cicindela)*** PALLAS 1776 ---D-F--------OP---------- Dd Pc
= *zwicki (Cicindela)* FISCHER von WALDHEIM 1822
= *lacteola (Cicindela)* FISCHER von WALDHEIM 1822
= *nigra (Cicindela)* MOTSCHULSKY 1850 Inner Mongolia: Ordos
m. *bipunctata (Cicindela atrata, m.)* KRAATZ 1890
m. *marginata (Cicindela atrata, m.)* KRAATZ 1890
m. *subvittata (Cicindela atrata, m.)* KRAATZ 1890
m. *distans (Cicindela atrata, m.)* FISCHER von WALDHEIM 1822
m. *confluens (Cicindela atrata, m.)* KRAATZ 1890
m. *albomarginata (Cicindela atrata, m.)* BEUTHIN 1890
m. *infuscata (Cicindela atrata, m.)* PALLAS 1798
m. *conjuncta (Cicindela atrata, m.)* KRAATZ 1890

16 ***chiloleuca (Cicindela)*** FISCHER von WALDHEIM 1820 ---D-F-------NO----TUV---- DbdFbTghUcVcd; ?Pf: Jacobson, 1905
= *marcens (Cicindela)* ZOUBKOFF 1833
var. *circumscripta (Cicindela chiloleuca, var.)* CHAUDOIR 1861
m. *mniszechi (Cicindela chiloleuca, m.)* W.HORN 1891

17 ***illecebrosa (Cicindela)*** DOKHTOUROFF 1885 ---------------P--S------- Peg

18 ***nox (Cicindela)*** SEMENOV 1896 ---------------P---------- Pbcefg; Pb: W.Karakalpakia

Subgenus ***Cicindina*** ADAM et MERKL 1986 [nom. pro *Eugrapha* RIVALIER 1950]
Type species: *Cicindela trisignata* DEJEAN 1822

= *Eugrapha* RIVALIER 1950
Type species: *Cicindela trisignata* DEJEAN 1822

19 ***arenaria (Cicindela)*** FUESSLY 1775 --CD-FG-----------TU-----
= *literata (Cicindela)* SULZER 1776
= *litterata (Cicindela)* HEER 1837
= *lugdunensis (Cicindela)* DEJEAN 1825
= *sinuata (Cicindela)* SERVILLE 1821

ssp. ***viennensis (Cicindela arenaria, ssp.)*** SCHRANK 1781 --CD---------------TU----- CbcDbcdTchUcd
= *sinuata (Cicindela arenaria, syn.)* PANZER 1793
= *adunca (Cicindela arenaria, syn.)* GRAVENPOST 1807
= *excepta (Cicindela arenaria, syn.)* DALLA TORRE 1877
= *litterata (Cicindela arenaria, syn.)* W.HORN 1891
ab. *leucophthalma (Cicindela arenaria, ab.)* FISCHER von WALDHEIM 1824
ssp. ***nudoscripta (Cicindela arenaria, ssp.)*** W.HORN 1915 -----FG------------------
ssp. ***kaznakovi (Cicindela arenaria, ssp.)*** LUTSHNIK 1915 ------G------------------ Gb3
20 ***mongolica (Cicindela)*** FALDERMANN 1835 --------------------UV---- UdVcd; Ud: S part, from Unga to Irkut Riv.
21 ***inscripta (Cicindela)*** ZOUBKOFF 1833 ---D-FG------NOP---------- DdFbGc2
= *mannerheimi (Cicindela)* FALDERMANN 1836
22 ***sublacerata (Cicindela)*** SOLSKY 1874 -----FGHIJ-----PQRS-------
ssp. ***sublacerata (Cicindela sublacerata, ssp.)*** SOLSKY 1874 ---------------PQRS------- PefgReSadeQd
var. *planicola (Cicindela sublacerata, var.)* SEMENOV 1896
ssp. ***laevithoracica (Cicindela sublacerata, ssp.)*** W.HORN 1891 -----FGHIJ-----P---------- FbGcHbcIabPa
23 ***trisignata (Cicindela)*** DEJEAN 1822 ---DEFGH------------------ DbFaGaHa: coast of Black Sea
ssp. ***trisignata (Cicindela trisignata, ssp.)*** DEJEAN 1822 ---DEFGH------------------
ssp. (***hellenica (Cicindela trisignata, ssp.)*** CASSOLA 1973) ---D---------------------- ? SW Odessa region
24 ***contorta (Cicindela)*** FISCHER von WALDHEIM 1828 ---D-FG------NOPQ-S------- DbdGc2SeQd
= *figurata (Cicindela)* CHAUDOIR 1835
= *plicata (Cicindela)* MOTSCHULSKY 1850
25 ***litterifera (Cicindela)*** CHAUDOIR 1842 ------G-I------PQ--------- Gc2IabPabcegQd
26 ***elisae (Cicindela)*** MOTSCHULSKY 1859 ------------------------YZ Ya1bdZb
= *amurensis (Cicindela)* A.MORAWITZ 1869

Subgenus ***Lophyridia*** JEANNEL 1946

Type species: *Cicindela dongalensis* KLUG 1832

27 ***littoralis (Cicindela)*** FABRICIUS 1787
ssp. ***nemoralis (Cicindela littoralis, ssp.)*** OLIVIER 1790 ---D---------------------- ? SW Moldova, Odessa reg.
ssp. ***winkleri (Cicindela littoralis, ssp.)*** MANDL 1934[136] --------I------P---------- IbPae2; Pa: southern Kura Riv.; Pe2: Atrek valley
= *mandli (Cicindela littoralis, syn.)* MANDL 1967
ssp. ***conjunctaepustulata (Cicindela littoralis, ssp.)*** DOKHTOUROFF 1887 ---D-FGH-----NOPQRST------ DbdGac2HaQdSaTb
= *conjunctepustulata (Cicindela littoralis, syn.)* auct. error
= *mongolensis (Cicindela)* MANDL 1981
var. *viridicaerulea (Cicindela littoralis, var.)* DOKHTOUROFF 1888
var. *gerassimovi (Cicindela littoralis, var.)* LUTSHNIK 1924
var. *bogdanovi (Cicindela littoralis, var.)* LUTSHNIK 1934
m. *turkmenica (Cicindela littoralis, m.)* BEUTHIN 1892
ssp. ***peipingensis (Cicindela littoralis, ssp.)*** MANDL 1934 -------------------TUV---- TeghUcdVcd
28 ***fischeri (Cicindela)*** ADAMS 1817 --------IJ-----PQRS-------
ssp. ***fischeri (Cicindela fischeri, ssp.)*** ADAMS 1817 --------IJ----------------
= *alasanica (Cicindela fischeri, syn.)* MOTSCHULSKY 1839
= *octopunctata (Cicindela fischeri, syn.)* LOEW 1843
= *syriaca (Cicindela fischeri, syn.)* TRÖBERT 1844
= *serpentina (Cicindela fischeri, syn.)* GERMAR 1845
= *palmata (Cicindela fischeri, syn.)* MOTSCHULSKY 1846
ssp. ***elongatosignata (Cicindela fischeri, ssp.)*** W.HORN 1922 ---------------PQRS------- PfgReSace
= *alasanica (Cicindela fischeri, syn.)* sensu SOLSKY 1874 [nom. praeocc.]
m. *inhumeralis (Cicindela fischeri, m.)* BEUTHIN 1893
m. *disapicalis (Cicindela fischeri, m.)* BEUTHIN 1893
m. *dismarginalis (Cicindela fischeri, m.)* BEUTHIN 1893
m. *destituta (Cicindela fischeri, m.)* BEUTHIN 1893
m. *adamsi (Cicindela fischeri, m.)* BEUTHIN 1893
m. *dishumeralis (Cicindela fischeri, m.)* BEUTHIN 1893
m. *subapicalis (Cicindela fischeri, m.)* BEUTHIN 1893
29 ***caucasica (Cicindela)*** ADAMS 1817 --------IJ----------------
= *strigata (Cicindela)* DEJEAN 1825
= *arabica (Cicindela)* DEJEAN 1831
= *anatolica (Cicindela)* MOTSCHULSKY 1859
= *festina (Cicindela)* MOTSCHULSKY 1859 [nom. nud.]
m. *araxicola (Cicindela caucasica, m.)* REITTER 1889
30 ***sturmi (Cicindela)*** MÉNÉTRIÉS 1832 ---D-----------P--S------- DdPa2cdefg
= *staudingeri (Cicindela)* KRAATZ 1883
m. *inhumeralis (Cicindela sturmi, m.)* BEUTHIN 1893
m. *interrupta (Cicindela sturmi, m.)* BEUTHIN 1893
m. *disapicalis (Cicindela sturmi, m.)* BEUTHIN 1893
m. *semihumeralis (Cicindela sturmi, m.)* BEUTHIN 1893
m. *semiapicalis (Cicindela sturmi, m.)* BEUTHIN 1893
m. *circumflexa (Cicindela sturmi, m.)* BEUTHIN 1893

Subgenus ***Laphyra*** DEJEAN 1836

Type species: *Cicindela audoini* BARTHE 1834 [= *C.ritchiei* VIGAND 1825]

= *Lophyra* MOTSCHULSKY 1859
Type species: *Cicindela catena* FABRICIUS 1775

= *Tribonophora* RIVALIER 1950
Type species: *Cicindela laetescripta* MOTSCHULSKY 1860

= *Chaetostyla* GANGLBAUER 1892
Type species: *Cicindela flexuosa* FABRICIUS 1787

= *Chaetodera* JEANNEL 1946
Type species: *Cicindela regalis* DEJEAN 1831

31 ***laetescripta (Cicindela)*** MOTSCHULSKY 1860 ------------------------Y- Ya1bd
= *semenovi (Cicindela)* DOKHTOUROFF 1888

Subgenus ***Cicindela*** LINNAEUS 1758

Type species: *Cicindela campestris* LINNAEUS 1758

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136 In northwestern Turkmenistan, it has been collected for the first time by I.K. & S.I. Cherkasov in 1988-1991. Mandl (1967) recorded 1” of this subspecies captured in North Afghanistan (Rashid, 700 m, Umgebung des Flusses Darya-i-Qausar) , something that allows to expect its occurrence also in the extreme SE of Turkmenistan, in the Murgab River valley (S. Cherkasov) .

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32  hybrida (Cicindela) LINNAEUS 1758                          ABCDE-------MN-----TUV----
    ssp. hybrida (Cicindela hybrida, ssp.) LINNAEUS 1758       -BCDE-------M-------U----- DabcUabc
    ab.  fuscomaculata (Cicindela hybrida, ab.) BARSEVSKIS 1993
    ssp. riparia (Cicindela hybrida, ssp.) DEJEAN 1822         A------------------------- Aa
    =    transversalis (Cicindela hybrida, syn.) DEJEAN 1822
    ssp. sahlbergi (Cicindela hybrida, ssp.) FISCHER von WALDHEIM 1824   ---D---------N-----TUV---- DbdTchUcVac; possible in F
    f.   koshantschikovi (Cicindela hybrida, f.) LUTSHNIK 1924
    f.   altaica (Cicindela hybrida, f.) ESCHSCHOLTZ 1829[137]     Tbcd
    =    altaica (Cicindela hybrida, syn.) GEBLER 1830
    =    altaica (Cicindela hybrida, syn.) MOTSCHULSKY 1846    China: Kansu
    ?    songorica (Cicindela hybrida, syn.) MANNERHEIM 1846 [nom. nud.]
    m.   khersonensis (Cicindela hybrida, m.) MOTSCHULSKY 1845
    m.   karelini (Cicindela hybrida, m.) FISCHER von WALDHEIM 1832
    m.   caspia (Cicindela hybrida, m.) MÉNÉTRIÉS 1832
    m.   pallasi (Cicindela hybrida, m.) FISCHER von WALDHEIM 1824
    m.   sibirica (Cicindela hybrida, m.) FISCHER von WALDHEIM 1821
    m.   lateralis (Cicindela hybrida, m.) FISCHER von WALDHEIM 1822
    m.   sibirica (Cicindela hybrida, m.) DOKHTOUROFF 1883 [non FISCHER von WALDHEIM 1821]
    m.   fischeri (Cicindela hybrida, m.) BEUTHIN 1893
    ssp. rumelica (Cicindela hybrida, ssp.) APFELBECK 1904     possible in extreme south of Da
33  monticola (Cicindela) MÉNÉTRIÉS 1832                       -----FGHIJ----------------
    m.   persica (Cicindela monticola, m.) FALDERMANN 1836
34  coerulea (Cicindela) PALLAS 1777                           ------------M------T------
    ssp. coerulea (Cicindela coerulea, ssp.) PALLAS 1777       -------------NO----T------ Tb
    =    violacea (Cicindela) GEBLER 1817
    ssp. lucifera (Cicindela coerulea, ssp.) MANDL 1970        -------------------T------ Tbc: Katun valley
    =    tenuifascia (Cicindela coerulea, syn.) FISCHER von WALDHEIM 1828
35  nitida (Cicindela) LICHTENSTEIN 1796                       -------------------TUVW-Y- TcdghUcdVcdWbYa1d
    ssp. nitida (Cicindela nitida, ssp.) LICHTENSTEIN 1796     -------------------TU-W-Y-
    =    tricolor (Cicindela) ADAMS 1817
    m.   nigra (Cicindela nitida, m.) MANDL 1921                Transbaikalien: Verkhneudinsk
    ab.  optata (Cicindela nitida, ab.) FISCHER von WALDHEIM 1828
    ab.  starovi (Cicindela nitida, ab.) LUTSHNIK 1924
    ab.  starodubtzevi (Cicindela nitida, ab.) LUTSHNIK 1924
    ab.  cyanescens (Cicindela nitida, ab.) POPPIUS 1906
    ab.  poppiusi (Cicindela nitida, ab.) LUTSHNIK 1924
    ab.  cobaltina (Cicindela nitida, ab.) LUTSHNIK 1924
    ssp. selengensis (Cicindela nitida, ssp.) MANDL 1934       ---------------------V---- Vc
36  maritima (Cicindela) DEJEAN 1822                           -BCD---------NO-----------
    ssp. maritima (Cicindela maritima, ssp.) DEJEAN 1822       -BC----------------------- BaCa: coast of Baltic Sea
    =    baltica (Cicindela maritima, syn.) MOTSCHULSKY 1846
    ssp. kirgisica (Cicindela maritima, ssp.) MANDL 1936       --CD---------NO----------- CcDbdNO
37  albopilosa (Cicindela) DOKHTOUROFF 1885 Stat. rest.        -----------------RST------ RabdeSaTa
    =    songorica (Cicindela) ROESCHKE 1891 Syn. nov.
38  restricta (Cicindela) FISCHER von WALDHEIM 1825            ------------MN-----TUVWXYZ
    ssp. restricta (Cicindela restricta, ssp.) FISCHER von WALDHEIM 1825   ------------MN-----TUVW-Y- TcdfUcdVbcdeYa1d, possible in Bf
    ssp. spinigera (Cicindela restricta, ssp.) ESCHSCHOLTZ 1829   ----------------------X-Z Za
    =    vulcanicola (Cicindela restricta, syn.) ESCHSCHOLTZ 1829 [nom. nud.]
    f.   pseudomaritima (Cicindela restricta, f.) LENGERKEN 1912
    =    pseudomaritima (Cicindela restricta, syn.) EVERTS 1917
39  transbaicalica (Cicindela) MOTSCHULSKY 1844                -------------------TUV--YZ UadTgVadYabZa
    ssp. transbaicalica (Cicindela transbaicalica, ssp.) MOTSCHULSKY 1844   --------------------UV--YZ VdeYbd
    ssp. hamifasciata (Cicindela transbaicalica, ssp.) KOLBE 1886   ----------------------Y- Ya1
    ssp. magnifica (Cicindela transbaicalica, ssp.) W.HORN 1905     -------------------T------ Tg
40  sylvatica (Cicindela) LINNAEUS 1758                        ABCD-------LMN-----TU---Y- L: Obdorsk
    =    silvatica (Cicindela) auct.[138]                      ---------------------VW---
    =    similis (Cicindela) WESTHOFF 1881
    var. pseudotypica (Cicindela sylvatica, var.) LUTSHNIK 1924
    =    humeralis (Cicindela sylvatica, syn.) BEUTHIN 1894
    var. hungarica (Cicindela sylvatica, var.) BEUTHIN 1890
    var. fennica (Cicindela sylvatica, var.) BEUTHIN 1890
    var. caja (Cicindela sylvatica, var.) SAMKO 1938
41  japana (Cicindela) MOTSCHULSKY 1857                        -------------------------Z Zb: S Kunashir
    =    japonica (Cicindela) GUERIN 1847
    m.   nigra (Cicindela japana, m.) BEUTHIN 1905
42  sachalinensis (Cicindela) A.MORAWITZ 1862                  ------------------------YZ
    ssp. sachalinensis (Cicindela sachalinensis, ssp.) A.MORAWITZ 1862   -------------------------Z
    =    niochozana (Cicindela sachalinensis, syn.) H.BATES 1883
    =    niohozana (Cicindela sachalinensis, syn.) KOLBE 1886
    =    njohozana (Cicindela sachalinensis, syn.) W.HORN 1905
    m.   humeralis (Cicindela sachalinensis, m.) BEUTHIN 1905
    ssp. raddei (Cicindela sachalinensis, ssp.) A.MORAWITZ 1862   ----------------------Y- Yabd
43  gemmata (Cicindela) FALDERMANN 1848                        ------------------------YZ YadZa
    =    thibetana (Cicindela) BLANCHE 1871
    =    aino (Cicindela) LEWIS 1891
    f.   vitiosa (Cicindela gemmata, f.) HEYDEN 1885
    =    fasciatopunctata (Cicindela gemmata, syn.) DOHRN 1886
44  sylvicola (Cicindela) LATREILLE et DEJEAN 1822             A--D---------------------- AabDd: extreme SW of Ivanovo-Frankovskaya
Area
    =    silvicola (Cicindela) auct.[139]
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[137] A diagnosis of this form as a separate species was first given by Eschscholtz with a reference to Gebler's description. Yet Eschscholtz's paper appeared earlier than Gebler's. Later, *C. altaica* was redescribed by Mannerheim (1848) . Since the works of Horn (1926) , *C. songorica* Mnnh. has been referred to as its synonym, yet Mannerheim (1846, 1848) provided no diagnosis. Hence *C. songorica* Mnnh. 1846 is a nomen nudum. In 1891, Roeschke gave a diagnosis of a form deriving from the Tian-Shan Mts and bearing the same name. However, all the Tian-Shan specimens we have seen differ considerably from the Altai ones by the pubescence of antennomere 1 and by genital structure. Since the Tian-Shan form had first been described by Dokhtouroff (1885) , we establish the synonymy *C. albopilosa Dokht.* 1885 = *C. songorica* Roeschke 1891. According to our data, *C. altaica* is restricted to the Altais, yet its taxonomic status remains obscure (S. Cherkasov) .

[138] Although both transcriptions, *sylvatica* and *silvatica*, are equally correct grammatically, the Code definitely stipulates that the earlier name used by the author of the original description is to be preferred. Hence *C. sylvatica* L. 1758 is the correct name (S. Cherkasov) .

= *tuberculata (Cicindela)* HEER 1837
= *tristis (Cicindela)* DALLA TORRE 1877
45 ***soluta (Cicindela)*** LATREILLE et DEJEAN 1822 ---D---------- DbcdF
m. *kraatzi (Cicindela soluta, m.)* BEUTHIN 1890
= *fracta (Cicindela soluta, syn.)* FISCHER von WALDHEIM 1828
= *xanthopus (Cicindela soluta, syn.)* FISCHER von WALDHEIM 1832
= *assimilis (Cicindela soluta, syn.)* CHAUDOIR 1843
var. *sengstacki (Cicindela soluta, var.)* BEUTHIN 1890
var. *nordmanni (Cicindela soluta, var.)* SCHILDER 1911
m. *nigra (Cicindela soluta, m.)* BEUTHIN 1898
46 ***nordmanni (Cicindela)*** CHAUDOIR 1848 ---D---------- Db: south Kherson reg.
ab. *sokolovskyi (Cicindela nordmanni, ab.)* AVERIN 1941
ab. *aleschkensis (Cicindela nordmanni, ab.)* AVERIN 1941
ab. *kinburnica (Cicindela nordmanni, ab.)* AVERIN 1941
ab. *medvedevi (Cicindela nordmanni, ab.)* AVERIN 1941
ab. *dilatata (Cicindela nordmanni, ab.)* AVERIN 1941
47 ***granulata (Cicindela)*** GEBLER 1842 ----------RST------ from S. Altais to Pamirs
= *burmeisteri (Cicindela)* FISCHER von WALDHEIM 1843
ssp. ***granulata (Cicindela granulata, ssp.)*** FISCHER von WALDHEIM 1843 ----------RST------ RSabTa
m. *punctata (Cicindela granulata, m.)* DOKHTOUROFF 1882
m. *unipunctata (Cicindela granulata, m.)* DOKHTOUROFF 1885
m. *bimaculata (Cicindela granulata, m.)* BEUTHIN 1894
m. *margellanica (Cicindela granulata, m.)* BEUTHIN 1894
m. *marginalis (Cicindela granulata, m.)* BEUTHIN 1894
m. *apicalis (Cicindela granulata, m.)* BEUTHIN 1894
m. *quattuorpunctata (Cicindela granulata, m.)* KRAATZ 1890
m. *semihumeralis (Cicindela granulata, m.)* BEUTHIN 1894
m. *circumflexa (Cicindela granulata, m.)* BEUTHIN 1894
m. *balassogloi (Cicindela granulata, m.)* DOKHTOUROFF 1882
m. *decemmaculata (Cicindela granulata, m.)* DOKHTOUROFF 1885
m. *chaudoiri (Cicindela granulata, m.)* BALLION 1870
m. *fractivittis (Cicindela granulata, m.)* KRAATZ 1890
ssp. ***stoliczkana (Cicindela granulata, ssp.)*** H.BATES 1878 ----------R-------- Rc
= *wilkinsi (Cicindela granulata, syn.)* DOKHTOUROFF 1885
= *extensomarginata (Cicindela granulata, syn.)* DOKHTOUROFF 1885
ssp. ***atava (Cicindela granulata, ssp.)*** JANKOVSKI 1932 ----------R-------- Re: described from Tschatkal-Alatau, Usum-Achmat
ssp. ***angustioricollis (Cicindela granulata, ssp.)*** MANDL 1981 ----------R-------- loc.typ. Alexandergebirge
48 ***lacteola (Cicindela)*** PALLAS 1776 ---D----------OP----------
ssp. ***lacteola (Cicindela lacteola, ssp.)*** PALLAS 1776 ---D----------OP---------- DdOPe Pe northern Syr-Darya Riv.
var. *undata (Cicindela lacteola, var.)* MOTSCHULSKY 1850
= *schrenki (Cicindela lacteola, syn.)* FISCHER von WALDHEIM 1844 [non GEBLER 1841]
var. *divisa (Cicindela lacteola, var.)* BEUTHIN 1890
ssp. ***melanoleuca (Cicindela lacteola, ssp.)*** DOKHTOUROFF 1885 ----------P---------- Pd: only Ili valley
ssp. ***brodskii (Cicindela lacteola, ssp.)*** JANKOVSKI 1937 ----------P---------- Pc: Lake Alakol
49 ***campestris (Cicindela)*** LINNAEUS 1758 ABCDEFGHI---MNO--R-TUV----
ssp. ***campestris (Cicindela campestris, ssp.)*** LINNAEUS 1758 -BC---------M----------
ab. *daugavensis (Cicindela campestris, ab.)* BARSEVSKIS 1993 -B------------------------
ab. *regalis (Cicindela campestris, ab.)* BARSEVSKIS 1993 -B------------------------
ssp. ***pontica (Cicindela campestris, ssp.)*** FISCHER von WALDHEIM 1825 A--DEFGHI---MNO--R-TUV---- DbcdRaeUcd; Ra: Taldy-Kurgan reg.; Re: Sary-Chelek
= *affinis (Cicindela campestris, syn.)* MOTSCHULSKY 1846
= *oliveiria (Cicindela campestris, syn.)* BRULLÉ 1832
= *palustris (Cicindela campestris, syn.)* MOTSCHULSKY 1840
= *heldreichi (Cicindela campestris, syn.)* ROESCHKE 1891
var. *tartarica (Cicindela campestris, var.)* MANNERHEIM 1837
= *tatarica (Cicindela campestris, syn.)* MOTSCHULSKY 1846
var. *obscurata (Cicindela campestris, var.)* CHAUDOIR 1845
= *nigrita (Cicindela campestris, syn.)* KRYNICKI 1832 [nom. praeocc.]
= *funebris (Cicindela campestris, syn.)* MOTSCHULSKY 1850
50 ***herbacea (Cicindela)*** KLUG 1832 ? Transcaucasien - a record by Jacobson,1905
= *persana (Cicindela)* DOKHTOUROFF 1885
51 ***desertorum (Cicindela)*** DEJEAN 1825 ------GHIJ---------- Caucasus
= *jaegeri (Cicindela)* FISCHER von WALDHEIM 1832
= *dumetorum (Cicindela)* FALDERMANN 1836
= *caucasica (Cicindela)* MOTSCHULSKY 1846
= *hispanica (Cicindela)* MOTSCHULSKY 1846
= *trapezicollis (Cicindela)* CHAUDOIR 1846
ab. *isidori (Cicindela desertorum, ab.)* HLISNIKOWSKI 1929
52 ***talychensis (Cicindela)*** CHAUDOIR 1846 ---------J----------
= *talyschensis (Cicindela)* auct.
53 ***turkestanica (Cicindela)*** BALLION 1876 ----------P-RS-------
ssp. ***turkestanica (Cicindela turkestanica, ssp.)*** BALLION 1876 ----------P-R-------- PfRbe
var. *abbreviata (Cicindela turkestanica, var.)* BEUTHIN 1895
var. *subhumeralis (Cicindela turkestanica, var.)* BEUTHIN 1895
var. *marginalis (Cicindela turkestanica, var.)* BEUTHIN 1895
= *disrupta (Cicindela turkestanica, syn.)* HEYDEN 1885
m. *karavaievi (Cicindela turkestanica, m.)* LUTSHNIK 1922
m. *karawajewi (Cicindela turkestanica, m.)* auct. [incorr. emend.]
ssp. ***gissariensis (Cicindela turkestanica, ssp.)*** DOKHTOUROFF 1885 ----------S------- Sce
= *hissariensis (Cicindela turkestanica, syn.)* auct.
var. *interrupta (Cicindela turkestanica, var.)* BEUTHIN 1895
ssp. ***marakandensis (Cicindela turkestanica, ssp.)*** SOLSKY 1874 ----------P--S------- PfgSace
ssp. ***badakschana (Cicindela turkestanica, ssp.)*** MANDL 1955 ----------S-------
54 ***asiatica (Cicindela)*** AUDOIN et BRULLÉ 1839 --------IJ------Q--------- Transcaucasia; W Kopetdagh Mts.
m. *opaca (Cicindela asiatica, m.)* STERBA 1910
ssp. ***asiatica (Cicindela asiatica, ssp.)*** AUDOIN et BRULLÉ 1839 --------IJ----------
ssp. ***sumbarica (Cicindela asiatica, ssp.)*** PUTSHKOV 1993 ----------Q--------- Qa

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139 Although both transcriptions, *sylvicola* and *silvicola*, are equally correct grammatically, the Code definitely stipulates that the earlier name used by the author of the original description is to be preferred. Hence *C. sylvicola* Dej. is the correct name (S. Cherkasov) .

55 ***clypeata (Cicindela)*** FISCHER von WALDHEIM 1821 `---D----------PQRS-------`
= *decempustulata (Cicindela)* MÉNÉTRIÉS 1848
= *clipeata (Cicindela)* auct.
ssp. ***clypeata (Cicindela clypeata, ssp.)*** FISCHER von WALDHEIM 1821 `---D----------PQRS------- DdPbcdegQRabeSace; Dd: Inder Lake`
m. *nigra (Cicindela clypeata, m.)* DOKHTOUROFF 1885
m. *nigraelabris (Cicindela clypeata, m.)* DOKHTOUROFF 1885
m. *juncta (Cicindela clypeata, m.)* KRAATZ 1887
m. *auromarginata (Cicindela clypeata, m.)* KRAATZ 1887
m. *sogdiana (Cicindela clypeata, m.)* SEMENOV 1904
m. *sapphirea (Cicindela clypeata, m.)* SEMENOV 1904
m. *leucomelaena (Cicindela clypeata, m.)* SEMENOV 1904
ssp. ***octussis (Cicindela clypeata, ssp.)*** DOHRN 1885 **Stat. nov.**[140] `---------------PQ-S------- PgQcSce`
56 ***rhodoterena (Cicindela)*** TSCHITSCHÉRINE 1903 Spec. dist.[141] `----------------Q--------- Qd: Badhkyz, Kushka`
= *rhodoterana (Cicindela)* auct. error

Subfamily *OMOPHRONINAE OMOPHRONINAE*

Tribe *OMOPHRONINI*

Genus ***Omophron*** LATREILLE 1802
Type species: *Scolytus limbatus* FABRICIUS 1777
= *Scolytus* FABRICIUS 1791
Type species: *Scolytus limbatus* FABRICIUS 1776

Subgenus ***Omophron*** LATREILLE 1802
Type species: *Scolytus limbatus* FABRICIUS 1777
1 ***aequalis (Omophron)*** A.MORAWITZ 1863 `------------------------Y-`
ssp. ***aequalis (Omophron aequalis, ssp.)*** A.MORAWITZ 1863 `------------------------Z Za`
ssp. ***jacobsoni (Omophron aequalis, ssp.)*** SEMENOV 1902 `------------------------Y-`
= *mongolicus (Omophron aequalis, syn.)* SEMENOV 1922
2 (***limbatus (Omophron)*** FABRICIUS 1776) `ABCD-FGH-----NO--R--------`
? *solskyi (Omophron limbatus, syn.)* ZAITZEV 1916 `--------------O--R--------`
3 ***rotundatus (Omophron)*** CHAUDOIR 1852 `--------------OP--S-------`

Subfamily *CARABINAE CARABINAE*

Supertribe *NEBRIITAE*

Tribe *NEBRIINI*

Genus ***Pelophila*** DEJEAN 1826
Type species: *Carabus borealis* PAYKULL 1790
1 (***borealis (Pelophila)*** PAYKULL 1790) `-B--------KLM-------UVWXY- Ya`
= (*gebleri (Pelophila)* MANNERHEIM 1823)
= (*marginata (Pelophila)* MANNERHEIM 1823)
= (*elongata (Pelophila)* MANNERHEIM 1823)
= *dejeani (Pelophila)* DEJEAN 1826
= *arctica (Pelophila)* DEJEAN 1826
= *ochotica (Pelophila)* R.F.SAHLBERG 1844
= *laevigata (Pelophila)* MOTSCHULSKY 1844
= *angusticollis (Pelophila)* MOTSCHULSKY 1844
= *shermani (Pelophila)* CASEY 1913

Genus ***Leistus*** FRÖLICH 1799
Type species: *Carabus ferrugineus* LINNAEUS 1758

Subgenus ***Pogonophorus*** LATREILLE 1802
Type species: *Leistus spinibarbis* FABRICIUS 1775
= *Oreobius* K.DANIEL 1903
Type species: *Leistus gracilis* FUESSLY 1775
= *Eurynophorus* BREIT 1914
Type species: *Leistus depressus* BREIT 1914
= *Chaetoleistus* SEMENOV 1904
Type species: *Leistus relictus* SEMENOV 1900
1 (***rufomarginatus (Leistus)*** DUFTSCHMID 1812) `A--D--G------------------- Dab`
2 (***spinibarbis (Leistus)*** FABRICIUS 1775)
ssp. ***ponticus (Leistus spinibarbis, ssp.)*** KRYZHANOVSKIJ et SHILENKOV in litt. `----EFG------------------- FaGa`
3 ***montanus (Leistus)*** STEPHENS 1827
ssp. ***ukrainicus (Leistus montanus, ssp.)*** LAZORKO 1954 `A------------------------ Aa`
4 ***relictus (Leistus)*** SEMENOV 1900 `-----------------S------- Sc: Hissarsky Mt.R.: upper flow of Karatag Riv.`

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140 *Cicindela octussis* has been described by Dorn (1885) from the environs of Merv. Later, starting from the works of Kraatz (1887) , this taxon has been referred to as a variety of *C. clypeata*. A study of abundant materials from Turkmenistan, SE Uzbekistan and S Tajikistan has revealed that this form displays quite stable characters and populates the southernmost part of the range of *C. clypeata.* Hence we consider it better to allot it the rank of a subspecies (S. Cherkasov) .

141 *Cicindela decempustulata var. rhodoterena* has been described by Tschitschérine (1903) from the environs of Meshkhed. Treatment of this form as a variation has been conserved in the catalogues by Horn (1915, 1926) and Schilder (1953) , while Jacobson (1905) and some recent authors (e.g., Cassola, van Nidek, 1982; Werner, 1991) consider it as a subspecies. In 1991, both forms were found sympatric near Kushka. Constant structural (complete absence of a humeral spot, uniform dark blue underside, shape of the aedeagus) and certain ecological differences (in the environs of Kushka, *C. clypeata* prefers grassy patches, while *C. rhodoterena* prefers barrens - E. Tarasov. personal communication) allow to regard *C. rhodoterena* Tschit. as an independent species (S. Cherkasov) .

5 ***zarudnyi (Leistus)*** SEMENOV 1928 ----------R-------- RcSc

6 ***depressus (Leistus)*** BREIT 1914[142] ----------R-------- Rb

7 ***glasunovi (Leistus)*** SEMENOV 1928 ----------R-------- Rbd

8 ***ferganensis (Leistus)*** SEMENOV 1928 ----------R-------- Re: E part of W Tian Shan: Padsha-Ata, Ur-Maral

9 ***tschitscherini (Leistus)*** SEMENOV 1906[143] ----------R-------- Rbc

ssp. ***tschitscherini (Leistus tschitscherini, ssp.)*** SEMENOV 1906 ----------R-------- Rb: E Terskei & Meridionalny; Rc: N Sary-Dzhaz Mt.R.

ssp. ***terskeiensis (Leistus tschitscherini, ssp.)*** BELOUSOV et KABAK 1992 **Stat. nov.**[144] ----------R-------- Rb: Terskei Alatoo: from Dzhukuchak to Tyup Riv.

Subgenus ***Leistus*** FRÖLICH 1799

Type species: *Leistus testaceus* FRÖLICH 1799

= *Leistidius* K.DANIEL 1903

Type species: *Leistus piceus* FRÖLICH 1799

= *Leistophorus* REITTER 1905

Type species: *Leistus fulvibarbis* DEJEAN 1826

10 (***ferrugineus (Leistus)*** LINNAEUS 1758) ABCDEFG---K------R-T------ Ga in the south mainly in mountains
= *testaceus (Leistus)* FRÖLICH 1799
= *spinibarbis (Leistus)* FABRICIUS 1801
= *rufescens (Leistus)* CLAIRVILLE 1806
= *kulti (Leistus)* SMETANA 1952

11 (***terminatus (Leistus)*** HELLWIG in PANZER 1793) ABC---G---KLMN---R-TUV---- GaRabVa, in the south mainly in mountains
= (*rufescens (Leistus)* FABRICIUS 1775)
= (*bructeri (Leistus)* PANZER 1796)
= *praeustus (Leistus)* FABRICIUS 1801
= *fuscus (Leistus)* LETZNER 1844
= *pulchellus (Leistus)* HANEL 1912

12 ***baenningeri (Leistus)*** ROUBAL 1926 A------------------------ Aa

13 ***piceus (Leistus)*** FRÖLICH 1799 AB----------------------- Bad

ssp. ***piceus (Leistus piceus, ssp.)*** FRÖLICH 1799 AB----------------------- AbBad

ssp. ***pseudalpicola (Leistus piceus, ssp.)*** MA¿AN 1941 A------------------------ Aa

14 ***niger (Leistus)*** GEBLER 1847 ----------TUV--YZ UbcVabe
= *rotundicollis (Leistus)* MOTSCHULSKY 1860
= *alecto (Leistus)* H.BATES 1883
= *laticollis (Leistus)* A.MORAWITZ 1862
= *tibialis (Leistus)* MOTSCHULSKY 1860

15 ***fulvus (Leistus)*** CHAUDOIR 1846 -----FGH---------- forest zone
= *reitteri (Leistus)* JACOBSON 1906 [nom. pro *ellipticus* REITTER 1905]
= *obscurus (Leistus)* REITTER 1905
= *voriseki (Leistus)* JEANNE 1972

16 ***lenkoranus (Leistus)*** REITTER 1885 ------GHIJ------Q--------- GcHcQa: forest zone
= *deliae (Leistus)* MORVAN 1977 Iran

17 ***caucasicus (Leistus)*** CHAUDOIR 1876 ----E----------

= *schuberti (Leistus)* JEDLIªKA 1968

18 ***angustus (Leistus)*** REITTER 1883 ------G---------- Gb: alpine zone
= *elegans (Leistus)* auct. [non ROST 1891]

19 ***denticollis (Leistus)*** REITTER 1887 ------G---------- Ga: alpine zone

20 ***odvarkai (Leistus)*** DVO¿´K 1994 ------G---------- Ga3: Bzybian Mt.R.; Dzykhva Mt.: alpine zone

21 ***elegans (Leistus)*** ROST 1891 ------G---------- Gb12Gc1: alpine zone, mainly Skalistyi Mt.R.
= *osseticus (Leistus)* REITTER 1909

22 ***frater (Leistus)*** REITTER 1897 ----------T------ Tdef

23 ***janae (Leistus)*** FARKAª et PLUTENKO 1993 ----------Y- S Primorie (=Maritime Prov.)

24 ***femoralis (Leistus)*** CHAUDOIR 1846 -------H---------- Hb

25 ***chaudoiri (Leistus)*** PERRAULT 1986 -------H---------- Hb

26 ***ketmenicus (Leistus)*** SHILENKOV et KABAK 1994 ----------R-------- Rb: Ketmen Mt.R.

27 ***semenovi (Leistus)*** PERRAULT 1986 ----------R-------- Rbcd

28 ***kungeicus (Leistus)*** SHILENKOV et KABAK 1994 ----------R-------- Rb: Kunguei Alatoo Mt.R.

Genus ***Nebria*** LATREILLE 1825

Type species: *Carabus brevicollis* FABRICIUS 1792

Subgenus ***Eunebria*** JEANNEL 1937

Type species: *Carabus psammodes* ROSSI 1790

1 (***jokischi (Nebria)*** STURM 1815)
ssp. ***hoepfneri (Nebria jokischi, ssp.)*** DEJEAN 1826 A------------------------

2 (***picicornis (Nebria)*** FABRICIUS 1801) A----FGHIJ----------
ssp. (***picicornis (Nebria picicornis, ssp.)*** FABRICIUS 1801) A------------------------ Aa
ssp. ***luteipes (Nebria picicornis, ssp.)*** CHAUDOIR 1850 -----FGHIJ----------

3 ***nigerrima (Nebria)*** CHAUDOIR 1846 ------GHIJ----------

4 ***jarrigei (Nebria)*** LEDOUX et ROUX 1990 ------G---------- Gab

5 ***mniszechi (Nebria)*** CHAUDOIR 1854 ------G---------- Gbc
= *parallelepipeda (Nebria)* MOTSCHULSKY 1865
= *dinniki (Nebria)* LUTSHNIK 1921
= *svanetica (Nebria)* JUREªEK 1922

6 ***xanthacra (Nebria)*** CHAUDOIR 1850 ----------Q--------- Qa
= *transcaspica (Nebria)* GLASUNOV 1901

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142 Originally described from Alatau-Gebirge (Umgebung von Wernyi) . Despite abundant collections managed over the last 80 years in the Zailiisky Alatau Mts, no-one has rediscovered the species. Apparently, the locus typicus was indicated erroneously, and the types of *L. depressus* actually derive from the Talassky Alatau Mts or the Kirghizsky Mt. Range (I. Kabak) .

143 Reitter (1913) described *Leistus spinangulus* from Juldus and Wernyi. A little later, Reitter (1915) referred to that taxon as a subspecies of *L. tschitscherini* Sem., and Semenov (1926) synonymized both. The identity of *L. spinangulus* Rtt. remained obscure until a restudy of the type from Juldus (TMB) , showning that *L. spinangulus* Rtt., sp. dist., is a separate species absent from the territory of the former Soviet Union (I. Kabak) .

144 A study of additional material from the Terskei Alatoo Mt. Range (Karakol, Dzhergalan, Tyup, etc., gorges) has revealed populations with characters intermediate between *L. tschitscherini* and *L. terskeiensis* (I. Kabak) .

= *apicalis (Nebria)* BREIT 1914
7 ***psammophila (Nebria)*** SOLSKY 1874 ----------RS------- RabeSabcd
var. *subalpina (Nebria psammophila, var.)* GLASUNOV 1901
var. *oreophila (Nebria psammophila, var.)* GLASUNOV 1901
8 ***talassica (Nebria)*** SHILENKOV 1982 ----------R-------- Re
9 ***grumi (Nebria)*** GLASUNOV 1901 ----------R-------- Rbc
10 ***limbigera (Nebria)*** SOLSKY 1874 ----------RST------ Tag
= *kozlowi (Nebria)* GLASUNOV 1874
var. *alaiensis (Nebria limbigera, var.)* GLASUNOV 1901
var. *humerosa (Nebria limbigera, var.)* GLASUNOV 1901
11 ***picta (Nebria)*** SEMENOV 1891 ----------S------- Sb
= *kandshutica (Nebria)* GLASUNOV 1901
12 ***ferganensis (Nebria)*** SHILENKOV 1982 ----------R-------- Rde
13 ***kirgisica (Nebria)*** SHILENKOV 1982 ----------R-------- Rbd
14 ***perlonga (Nebria)*** HEYDEN 1885 ----------R-------- Re
= *tshitscherini (Nebria)* GLASUNOV 1902
= *atropos (Nebria)* K.DANIEL 1904
15 ***haberhaueri (Nebria)*** HEYDEN 1889 ----------S------- Scd
= *glasunovi (Nebria)* TSCHITSCHÉRINE 1894
16 ***ambigua (Nebria)*** GLASUNOV 1902 ----------S------- Sd

Subgenus ***Paranebria*** JEANNEL 1937

Type species: *Carabus lividus* LINNAEUS 1758

17 (***livida (Nebria)*** LINNAEUS 1758) -BC---------MN-----TUV--Y-
ssp. (***livida (Nebria livida, ssp.)*** LINNAEUS 1758) -BC---------MN-----T------ Tbcd
var. (*lateralis (Nebria livida, var.)* FABRICIUS 1792)
var. *sibirica (Nebria livida, var.)* CSIKI 1902
ssp. ***angulata (Nebria livida, ssp.)*** BÄNNINGER 1949 ----------TUV--Y- Tef

Subgenus ***Boreonebria*** JEANNEL 1937

Type species: *Carabus gyllenhali* SCHÖNHERR 1806

The ***'rufescens'*** species group

18 ***frigida (Nebria)*** R.F.SAHLBERG 1844 ----------K---------UVWXY- Ya
19 (***rufescens (Nebria)*** STRÖM 1768) ABC-------KLM------TUVWXYZ Aa
= (*gyllenhali (Nebria)* SCHÖNHERR 1806)
= *besseri (Nebria)* FISCHER von WALDHEIM 1828
var. (*balbii (Nebria rufescens, var.)* BONELLI 1809)
= *dubia (Nebria)* R.F.SAHLBERG 1844
= *attenuata (Nebria)* MOTSCHULSKY 1844
= *jamata (Nebria)* MOTSCHULSKY 1865
20 ***heegeri (Nebria)*** DEJEAN 1826 A------------------------- Aa
21 (***nivalis (Nebria)*** PAYKULL 1798) -B--------KL-------TUVWXYZ BbefKa1TfVbcZa
= *bifaria (Nebria)* MANNERHEIM 1853
= *femorata (Nebria)* MOTSCHULSKY 1865
= *femoralis (Nebria)* MOTSCHULSKY 1859
22 ***subdilatata (Nebria)*** MOTSCHULSKY 1844 ----------TUVWXYZ UbcdWbcXacd
= *microthorax (Nebria)* MOTSCHULSKY 1844
= *parvicollis (Nebria)* MOTSCHULSKY 1859
= *ussuriensis (Nebria)* A.MORAWITZ 1862
= *anthracina (Nebria)* A.MORAWITZ 1862
= *latiuscula (Nebria)* POPPIUS 1906
23 ***baicalica (Nebria)*** MOTSCHULSKY 1844 ----------V---- Vb: only on shore of Baikal Lake
= *baicalensis (Nebria baicalica, syn.)* A.MORAWITZ 1862
24 ***uralensis (Nebria)*** GLASUNOV 1901 ----------K---------- Kb
25 ***rubrofemorata (Nebria)*** SHILENKOV 1975 ----------T------ Tde
26 ***biseriata (Nebria)*** LUTSHNIK 1915 ----------Y- Ya

The ***'schrenki'*** species group

27 ***schrenki (Nebria)*** GEBLER 1843 ----------R-------- Ra
28 ***subaerea (Nebria)*** BREIT 1914 ----------R-------- Rb: E Terskei Alatoo Mt; Rg: upper Sary-Dzhaz Riv.
= *mellyi (Nebria)* BREIT 1914
= *nigra (Nebria)* BÄNNINGER 1921
29 ***saurica (Nebria)*** SHILENKOV 1976 ----------T------ Ta
30 ***tyshkanica (Nebria)*** KRYZHANOVSKIJ et SHILENKOV 1976 ----------R-------- Ra: SE Dzhungarsky Alatau Mt.R.
31 ***latior (Nebria)*** LEDOUX et ROUX 1992 ----------R-------- Ra
32 ***suvorovi (Nebria)*** SHILENKOV 1976 ----------R-------- Rb: Zailiisky & Kunguei Alatau Mt.R.
33 ***kaszabi (Nebria)*** SHILENKOV 1982 ----------T------ Tbd
34 ***sajanica (Nebria)*** BÄNNINGER 1931 ----------T------ Tf
35 ***dabanensis (Nebria)*** SHILENKOV 1982 ----------V---- Va

The ***'gibbulosa'*** species group

36 ***gibbulosa (Nebria)*** MOTSCHULSKY 1860 ----------Z Zb: Iturup & Urup Isl.
37 ***shibanaii (Nebria)*** UÉNO 1955
ssp. ***shiretokoana (Nebria shibanaii, ssp.)*** NAKANE 1960 ----------Z Zb: Kunashir Isl.

Subgenus ***Eonebria*** SEMENOV 1928

Type species: *Nebria komarovi* SEMENOV 1928

38 ***komarovi (Nebria)*** SEMENOV 1928 ----------Y- Yd
39 ***djakonovi (Nebria)*** SEMENOV 1928 ----------Y- Yb
40 ***kurentzovi (Nebria)*** LAFER 1989 ----------Y- Yb: Livadian Mt.R.

Subgenus ***Orientonebria*** SHILENKOV 1975

Type species: *Nebria coreica* SOLSKY 1875

41 ***coreica (Nebria)*** SOLSKY 1875 ----------Y-

Subgenus ***Reductonebria*** SHILENKOV 1975

Type species: *Nebria ochotica* R.F.SAHLBERG 1844

42 ***ochotica (Nebria)*** R.F.SAHLBERG 1844 ----------UVWXYZ UbdVbeWbXde
= *protensa (Nebria)* MOTSCHULSKY 1844
= *promota (Nebria)* MOTSCHULSKY 1865

= *japonica (Nebria)* H.BATES 1883
43 ***altaica (Nebria)*** GEBLER 1847 ----------TUV---- TbcdefgUcVa
= *unicolor (Nebria)* MOTSCHULSKY 1865
44 ***angustula (Nebria)*** MOTSCHULSKY 1865 ----------X-- Xd
45 ***snowi (Nebria)*** H.BATES 1883 ----------X-- Xe
46 ***carbonaria (Nebria)*** ESCHSCHOLTZ 1829 ----------X-- Xde
= *lyrodera (Nebria)* MOTSCHULSKY 1860

Subgenus ***Catonebria*** SHILENKOV 1975

Type species: *Carabus nitidulus* FABRICIUS 1801

47 (***catenulata (Nebria)*** FISCHER von WALDHEIM 1822) ----------TUVWXY-
ssp. (***catenulata (Nebria catenulata, ssp.)*** FISCHER von WALDHEIM 1822) ----------TUV--Y- TbcdefgUbgVabYd
ssp. ***banksi (Nebria catenulata, ssp.)*** CROTCH 1870 ----------UVWXY- UdVbeWbc
= (*nitidula (Nebria catenulata, syn.)* FABRICIUS 1801)
48 (***aenea (Nebria)*** GEBLER 1824) ----------R-T------
ssp. (***aenea (Nebria aenea, ssp.)*** GEBLER 1824) ----------T------ Tbd
= *mongolica (Nebria aenea, syn.)* JEDLIᵃKA 1969
ssp. ***splendida (Nebria aenea, ssp.)*** FISCHER von WALDHEIM 1844 ----------R-------- Ra
49 ***fulgida (Nebria)*** GEBLER 1847 ----------T-V---- TcdefVa
50 ***mellyi (Nebria)*** GEBLER 1847 ----------T------ Tbcdef
var. *escheri (Nebria mellyi, var.)* MOTSCHULSKY 1844 ----------T------ Tb

Subgenus ***Nebria*** LATREILLE 1825

Type species: *Carabus brevicollis* FABRICIUS 1792

= *Helobia* STEPHENS 1828

Type species: *Carabus brevicollis* FABRICIUS 1792

51 (***brevicolis (Nebria)*** FABRICIUS 1792) ABCDEFGH---------- BaCabDabGaHab

Subgenus ***Alpaeus*** BONELLI 1809

Type species: *Nebria hellwigi* PANZER 1805

= *Alpaeonebria* CSIKI 1946

Type species: *Nebria fuscipes* FUSS 1850

The ***'bonelli'*** species group

52 (***bonelli (Nebria)*** ADAMS 1817) ------GH---------- GabHb
ssp. (***bonelli (Nebria bonelli, ssp.)*** ADAMS 1817) ------G---------- Gab
= *marschallii (Nebria bonelli, syn.)* DEJEAN 1826
= *gaedikei (Nebria bonelli, syn.)* JEDLIᵃKA 1965
ssp. ***heinziana (Nebria bonelli, ssp.)*** SHILENKOV 1983 -------H---------- Hb

The ***'fischeri'*** species group

53 ***fischeri (Nebria)*** FALDERMANN 1835 -------H---------- Hb
= *hyantis (Nebria)* REITTER 1899
= *heinzi (Nebria)* JEDLIᵃKA 1965
= *soganlica (Nebria)* JEDLIᵃKA 1965
= *anatolica (Nebria)* JEDLIᵃKA 1965

The ***'adjarica'*** species group

54 ***adjarica (Nebria)*** SHILENKOV 1983 -------H---------- Hb

The ***'schlegelmilchi'*** species group

55 (***schlegelmilchi (Nebria)*** ADAMS 1817) ------GH---------- GbcHbc
= *intricata (Nebria)* DEJEAN 1826
= *exarata (Nebria)* FISCHER von WALDHEIM 1844
= *irregularis (Nebria)* JEDLIᵃKA 1965
56 ***araschinica (Nebria)*** REITTER 1892 --------I---------- Iab
57 ***sevanensis (Nebria)*** SHILENKOV 1983 --------I---------- Ia

The ***'caucasica'*** species group

58 ***caucasica (Nebria)*** MÉNÉTRIÉS 1832 ------G---------- Gb1: Skalistyi Mt.R.
59 ***tenella (Nebria)*** MOTSCHULSKY 1850 ------G----------
ssp. ***tenella (Nebria tenella, ssp.)*** MOTSCHULSKY 1850 ------G---------- Gab
= *longicornis (Nebria tenella, syn.)* MOTSCHULSKY 1850
ssp. ***saridaghensis (Nebria tenella, ssp.)*** SHILENKOV 1983 ------G---------- Gc
ssp. ***megrelica (Nebria tenella, ssp.)*** SHILENKOV 1983 ------G---------- Gb4
60 ***tristicula (Nebria)*** REITTER 1888 ------G---------- Gab
ssp. ***tristicula (Nebria tristicula, ssp.)*** REITTER 1888 ------G----------
= *kubanensis (Nebria tristicula, syn.)* LUTSHNIK 1921 **Syn. nov.**[145]
61 ***retrospinosa (Nebria)*** HEYDEN 1885 ------G---------- Gab
= *planulata (Nebria)* REITTER 1885
= *tristicula (Nebria)* REITTER 1888 [part.]

The ***'verticalis'*** species group

62 ***verticalis (Nebria)*** FISCHER von WALDHEIM 1828 ------G----------
ssp. ***verticalis (Nebria verticalis, ssp.)*** FISCHER von WALDHEIM 1828 ------G---------- Gbc
= *elongata (Nebria verticalis, syn.)* CHAUDOIR 1846
= *oblonga (Nebria verticalis, syn.)* MOTSCHULSKY 1850
ssp. ***animosa (Nebria verticalis, ssp.)*** SHILENKOV 1983 ------G---------- Gb
63 ***commixta (Nebria)*** CHAUDOIR 1850 ------G----------
ssp. ***commixta (Nebria commixta, ssp.)*** CHAUDOIR 1850 ------G---------- Gab
= *viridipennis (Nebria commixta, syn.)* REITTER 1885
ssp. ***lederi (Nebria commixta, ssp.)*** REITTER 1888 ------G---------- Ga
64 ***barbimentosa (Nebria)*** SHILENKOV 1983 ------G---------- Ga23b
65 ***patruelis (Nebria)*** CHAUDOIR 1846 ------G---------- Gbc
66 ***motschulskyi (Nebria)*** CHAUDOIR 1846 ------G---------- Gc
67 ***faldermanni (Nebria)*** MÉNÉTRIÉS 1832 ---------J----------

The ***'transsylvanica'*** species group

68 (***transsylvanica (Nebria)*** GERMAR 1824) A---------- Aa

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145 To substantiate this synonymy, a special study will be provided elsewhere (V. Shilenkov) .

69	***reichi (Nebria)*** DEJEAN 1826	A------------------------ Aa
70	***fuscipes (Nebria)*** FUSS 1850	A------------------------ Aa
=	*fussi (Nebria)* BIELZ 1850	
71	***reitteri (Nebria)*** RYBINSKY 1902	A------------------------

Supertribe *NOTIOPHILITAE*

Tribe *NOTIOPHILINI*

Genus ***Notiophilus*** DUMERIL 1806

Type species: *Cicindela aquatica* LINNAEUS 1758

Subgenus ***Notiophilus*** DUMERIL 1806

Type species: *Cicindela aquatica* LINNAEUS 1758

1	(***aquaticus (Notiophilus)*** LINNAEUS 1758)	ABCDE-G---KLMNO--R-TUV-XYZ
=	*hardyi (Notiophilus)* PUTZEYS 1866	
=	*punctatus (Notiophilus)* LECONTE 1850	
=	*semenovi (Notiophilus)* TSCHITSCHÉRINE 1903	
=	*dauricus (Notiophilus)* MOTSCHULSKY 1859	
ab.	*bimaculatus (Notiophilus aquaticus, ab.)* BARSEVSKIS 1993	
ab.	*pseudoaesthuans (Notiophilus aquaticus, ab.)* BARSEVSKIS 1994	
ab.	*fuscipes (Notiophilus aquaticus, ab.)* BARSEVSKIS 1994	
ab.	*stoschkae (Notiophilus aquaticus, ab.)* BARSEVSKIS 1994	
2	***aestuans (Notiophilus)*** MOTSCHULSKY 1864	ABCDEFG-I----------------
=	*pusillus (Notiophilus)* WATERHOUSE 1833 [non SCHREIBER 1759]	
3	***borealis (Notiophilus)*** HAROLD 1869	----------------------X--
4	***breviusculus (Notiophilus)*** SOLSKY 1872	----------------------Y-
5	***sibiricus (Notiophilus)*** MOTSCHULSKY 1844[146]	-------------------TUV----
=	*fraudulentus (Notiophilus)* SPÄTH 1899 **Syn. nov.**	
6	***impressifrons (Notiophilus)*** A.MORAWITZ 1862	--------------------UV--YZ
=	*acuticollis (Notiophilus)* PUTZEYS 1866	
=	*niponicus (Notiophilus)* LEWIS 1883	
7	***interstitialis (Notiophilus)*** REITTER 1889	---D---------------------- Da
8	***jakowlewi (Notiophilus)*** TSCHITSCHÉRINE 1903	-------------------T------
9	***ovalis (Notiophilus)*** BREIT 1914	-----------------R-------- Rd: Susamyr, Ketmen-Tjube
10	***laticollis (Notiophilus)*** CHAUDOIR 1850	---DEFG------------------
11	(***palustris (Notiophilus)*** DUFTSCHMID 1812)	ABCD-FGH--KLMNO----TUV---- Va
12	***germinyi (Notiophilus)*** FAUVEL 1863	-BCD--GH--KLMNOP---T------ PaTg
=	*hypocrita (Notiophilus)* auct. [non CURTIS 1822]	
=	*stipraisi (Notiophilus)* BARSEVSKIS 1993 **Syn. nov.**	
13	***sublaevis (Notiophilus)*** SOLSKY 1873	---------------P-RS-------
14	***stackelbergi (Notiophilus)*** KRYZHANOVSKIJ 1995	------------------R-------- Rd: Susamyr: Kumbel Pass, Kobuksu Riv.
15	***ghilarovi (Notiophilus)*** KRYZHANOVSKIJ 1995	-----------------R-------- Ra
16	***tschitscherini (Notiophilus)*** ZAITZEV 1915	-----------------R-------- Rd
17	***hyperboreus (Notiophilus)*** KRYZHANOVSKIJ 1995	-----------L--------------

Subgenus ***Latviaphilus*** BARSEVSKIS 1994

Type species: *Elaphrus biguttatus* FABRICIUS 1779

18	(***biguttatus (Notiophilus)*** FABRICIUS 1779)	ABCDEFGHIJK-M------------
=	(*semipunctatus (Notiophilus)* DUFTSCHMID 1812)	
19	***substriatus (Notiophilus)*** WATERHOUSE 1833	-B--E--H-----------------
20	***reitteri (Notiophilus)*** SPÄTH 1899	-B--------KL-------TUVW-YZ WbZa
=	*fasciatus (Notiophilus)* REITTER 1897 [non MÄKLIN 1855]	

Subgenus ***Makarovius*** BARSEVSKIS 1994

Type species: *Notiophilus rufipes* CURTIS 1829

21	***rufipes (Notiophilus)*** CURTIS 1829	A-CDEFGHIJ----------------

Supertribe *CARABITAE*

Tribe *CARABINI*

Genus ***Calosoma*** F.WEBER 1801

Type species: *Carabus sycophanta* LINNAEUS 1758

Subgenus ***Calosoma*** F.WEBER 1801

Type species: *Carabus sycophanta* LINNAEUS 1758

= *Callipara* MOTSCHULSKY 1865

Type species: *Calosoma sycophanta* LINNAEUS 1758

= *Calipera* BEDEL 1881

= *Syncalosoma* BREUNING 1927

Type species: *Calosoma frigidum* KIRBY 1873

1	(***sycophanta (Calosoma)*** LINNAEUS 1758)	--CDEFGHIJ--MNOPQR-T------ RabeTabc
=	*azureum (Calosoma)* LETZNER 1850	
=	*cupreum (Calosoma)* LETZNER 1850	
=	*marginatum (Calosoma)* LETZNER 1850	
=	*nigrocyaneum (Calosoma)* LETZNER 1850	
=	*purpureoaureum (Calosoma)* LETZNER 1850	
=	*smaragdinum (Calosoma)* ROSSI 1882	

146 The synonymy has been established based on a restudy of Motschulsky's type (Lectotype, m with the labels *Notiophilus sibiricus* Motsch., Sib. or. and Kul. Bad., present designation, in ZMM) , which very well corresponds to the original description of *N. fraudulentus* Spaeth. Type material of the latter taxon is presumed to be lost (V. Shilenkov) .

= *habelmanni (Calosoma)* SCHILSKY 1888
= *corvinum (Calosoma)* HELLER 1897
= *anthracinum (Calosoma)* HOULBERT de MONNOT 1907
= *solinfectum (Calosoma)* JANICHEN 1914
= *lapougei (Calosoma)* BREUNING 1927
? *purpureipennis (Calosoma)* REITTER 1891
? *severum (Calosoma)* CHAUDOIR 1850
= *rapax (Calosoma)* MOTSCHULSKY 1865

2 ***maximowiczi (Calosoma)*** A.MORAWITZ 1863 ----------YZ YbdZab
= *mikado (Calosoma)* H.BATES 1873
= *sauteri (Calosoma)* BORN 1909
= *taqueti (Calosoma)* LAPOUGE 1924
= *touzalini (Calosoma)* LAPOUGE 1924

Subgenus ***Acalosoma*** LAFER 1990

Type species: *Calosoma inquisitor* LINNAEUS 1758

3 (***inquisitor (Calosoma)*** LINNAEUS 1758) ABCDEFGHI----------
ssp. (***inquisitor (Calosoma inquisitor, ssp.)*** LINNAEUS 1758) ABCDEF----------
= (*antiguum (Calosoma inquisitor, syn.)* FOURCROY 1785)
= *coeruleomarginatum (Calosoma inquisitor, syn.)* LETZNER 1850
= *coeruleum (Calosoma inquisitor, syn.)* LETZNER 1850
= *nigrum (Calosoma inquisitor, syn.)* LETZNER 1850
= *obscurum (Calosoma inquisitor, syn.)* LETZNER 1850
= *varians (Calosoma inquisitor, syn.)* LETZNER 1850
= *viridimarginatum (Calosoma inquisitor, syn.)* LETZNER 1850
= *punctiventre (Calosoma inquisitor, syn.)* REICHE 1855
= *baldense (Calosoma inquisitor, syn.)* LALLEMANT 1868
= *nudum (Calosoma inquisitor, syn.)* DALLA TORRE 1877
= *pulchrum (Calosoma inquisitor, syn.)* DALLA TORRE 1877
= *viridulum (Calosoma inquisitor, syn.)* KRAATZ 1877
= *violaceum (Calosoma inquisitor, syn.)* WESTHOFF 1881
= *funereum (Calosoma inquisitor, syn.)* RAGUSA 1883
= *cupreofulgens (Calosoma inquisitor, syn.)* CHAPMAN 1922
= *comanense (Calosoma inquisitor, syn.)* LAPOUGE 1930
= *moestum (Calosoma inquisitor, syn.)* CSIKI 1944
ssp. ***cupreum (Calosoma inquisitor, ssp.)*** DEJEAN 1826 ------GHI----------
var. *viridescens (Calosoma inquisitor, var.)* REITTER 1896
var. *clathratum (Calosoma inquisitor, var.)* KOLENATI 1845
4 ***cyanescens (Calosoma)*** MOTSCHULSKY 1859 ----------YZ
= *denserugatum (Calosoma)* GÉHIN 1885

Subgenus ***Campalita*** MOTSCHULSKY 1865

Type species: *Calosoma maderae* FABRICIUS 1775

= *Cosmoplata* MOTSCHULSKY 1865
Type species: *Calosoma aeneum* MOTSCHULSKY 1859

= *Callistrata* MOTSCHULSKY 1865
Type species: *Calosoma granulosum* MOTSCHULSKY 1844

= *Catasoma* LAPOUGE 1929
Type species: *Calosoma olivieri* DEJEAN 1831

= *Eremosoma* LAPOUGE 1929
Type species: *Calosoma algiricum* GÉHIN 1885

5 (***auropunctatum (Calosoma)*** HERBST 1784) ABCDEF------MNOP-RST------
ssp. (***auropunctatum (Calosoma auropunctatum, ssp.)*** HERBST 1784) ABCDEF------M----------
= (*herbsti (Calosoma auropunctatum, syn.)* GMELIN 1792)
= (*sericeum (Calosoma auropunctatum, syn.)* FABRICIUS 1792)
= *duftschmidi (Calosoma auropunctatum, syn.)* GÉHIN 1885
= *tauricum (Calosoma auropunctatum, syn.)* MOTSCHULSKY 1850
= *funestum (Calosoma auropunctatum, syn.)* GÉHIN 1885
ssp. ***dzungaricum (Calosoma auropunctatum, ssp.)*** GEBLER 1833 ---D---------NOP-R-T------ Tab
= *laeviusculum (Calosoma auropunctatum, syn.)* MOTSCHULSKY 1846
= *parallelum (Calosoma auropunctatum, syn.)* MOTSCHULSKY 1846
= *turcomanicum (Calosoma auropunctatum, syn.)* MOTSCHULSKY 1846
= *alaiensis (Calosoma auropunctatum, syn.)* LAPOUGE 1930
= *sericum (Calosoma auropunctatum, syn.)* LAPOUGE 1930
= *syrum (Calosoma auropunctatum, syn.)* LAPOUGE 1930
= *montandoni (Calosoma auropunctatum, syn.)* LAPOUGE 1930
= *afganum (Calosoma auropunctatum, syn.)* LAPOUGE 1930
6 (***maderae (Calosoma)*** FABRICIUS 1775)
= *maroccanum (Calosoma)* LAPOUGE 1924
= *glabripenne (Calosoma)* EIDAM 1926
= *sturanii (Calosoma)* RAYNAUD et MARCHAL 1967
= *impunctatus (Calosoma)* BRANES 1985
ssp. ***tectum (Calosoma maderae, ssp.)*** MOTSCHULSKY 1846 ------GHIJ-----P----------
7 ***algiricum (Calosoma)*** GÉHIN 1885 ----------P----------
= *petri (Calosoma)* SEMENOV 1902
8 ***chinense (Calosoma)*** KIRBY 1817 ----------YZ
= *aenea (Calosoma)* MOTSCHULSKY 1859
= *ogumae (Calosoma)* MATSUMURA 1911
= *yunnanense (Calosoma)* BREUNING 1927

Subgenus ***Caminara*** MOTSCHULSKY 1865

Type species: *Calosoma imbricatum* KLUG 1832

9 ***imbricatum (Calosoma)*** KLUG 1832
ssp. ***deserticola (Calosoma imbricatum, ssp.)*** SEMENOV 1896 ---D-F-------NOP----------
10 ***denticolle (Calosoma)*** GEBLER 1833 -BCDEFGHIJ--MNOP-R-TUV---- UcVc
= *granulosum (Calosoma)* MOTSCHULSKY 1844
= *lugubre (Calosoma)* MOTSCHULSKY 1844
= *rugulosum (Calosoma)* MOTSCHULSKY 1850
= *androganum (Calosoma)* LAPOUGE 1930
= *mongolicum (Calosoma)* LAPOUGE 1930
11 ***olivieri (Calosoma)*** DEJEAN 1831 ----------P----------

12 ***reitteri (Calosoma)*** ROESCHKE 1897 ---D-----------PQRS------- Dd: Lake Baskunchak
= *laeviusculum (Calosoma)* REITTER 1896

Subgenus ***Charmosta*** MOTSCHULSKY 1865

Type species: *Calosoma investigator* ILLIGER 1798

13 (***investigator (Calosoma)*** ILLIGER 1798) -BCD------KLMNO--R-TUVW-YZ
= *dauricum (Calosoma)* MOTSCHULSKY 1844
= *rugulosa (Calosoma)* MOTSCHULSKY 1859
= *sibiricum (Calosoma)* MOTSCHULSKY 1844
= *sericeum (Calosoma)* STURM 1815
= *russicum (Calosoma)* FISCHER von WALDHEIM 1828
= *leptophyum (Calosoma)* FISCHER von WALDHEIM 1828
= *granulosum (Calosoma)* MOTSCHULSKY 1844
= *caspium (Calosoma)* FISCHER von WALDHEIM 1828

14 ***lugens (Calosoma)*** CHAUDOIR 1869 ------------------------Y-
= *irregularis (Calosoma)* REITTER 1902

Genus ***Callisthenes*** FISCHER von WALDHEIM 1821

Type species: *Calosoma panderi* FISCHER von WALDHEIM 1822

Subgenus ***Callisthenes*** FISCHER von WALDHEIM 1821

Type species: *Calosoma panderi* FISCHER von WALDHEIM 1822

1 ***breviusculus (Callisthenes)*** MANNERHEIM 1830 -------HI----------------- HbIab
m. *orbiculatus (Callisthenes breviusculus, m.)* MOTSCHULSKY 1839
= *reichei (Callisthenes)* GUERIN 1842
= *motschoulskyi (Callisthenes)* FISCHER von WALDHEIM 1842
? *tamerlanus (Callisthenes breviusculus, syn.)* ZAITZEV 1918

2 ***substriatus (Callisthenes)*** MOTSCHULSKY 1859 --------I----------------- Ic

3 ***elegans (Callisthenes)*** KIRSCH 1859 --------------OP-R--------
= *manderstjernae (Callisthenes)* BALLION 1870 Chu-Ili Mts, W part of Zailiisky Alatau Mt.R.
ssp. ***saryarkensis (Callisthenes elegans, ssp.)*** KABAK 1992 --------------O---------- Karaganda reg.

4 ***semenovi (Callisthenes)*** MOTSCHULSKY 1859 -----------------R-------- Rb: Zailiisky Alatau Mt.R.
= *sewertzowi (Callisthenes)* BALLION 1870
= *wernojensis (Callisthenes)* LAPOUGE 1924
= *ballioni (Callisthenes)* SOLSKY 1874
var. *amethystinus (Callisthenes semenovi, var.)* SEMENOV 1928 Charyn Riv.

5 ***declivis (Callisthenes)*** DOHRN 1884 -----------------R-------- Rbd
= *karagaicus (Callisthenes)* LAPOUGE 1924

6 ***glasunovi (Callisthenes)*** SEMENOV 1900 ------------------S------- Sc: Nuratau Mt.R.

7 ***kuschakewitschi (Callisthenes)*** BALLION 1870 ---------------P-R-------- Re
ssp. ***kuschakewitschi (Callisthenes kuschakewitschi, ssp.)*** BALLION 1870 -----------------R-------- Re; loc. typ.: Chimkent
ssp. ***batesoni (Callisthenes kuschakewitschi, ssp.)*** SEMENOV 1928 ---------------P---------- W Aral reg.
ssp. ***decolor (Callisthenes kuschakewitschi, ssp.)*** A.MORAWITZ 1886 ---------------P-R-------- Pe Rb
= *reichei (Callisthenes kuschakewitschi, syn.)* SOLSKY 1874
ssp. ***plasoni (Callisthenes kuschakewitschi, ssp.)*** BORN 1917 ---------------P-R-------- PcRb: Kirghizsky Mt.R. & Muyunkumy Desert
= (*pseudokarelini (Callisthenes kuschakewitschi, syn.)* MANDL 1954) **Syn. nov.**[147]

8 ***karelini (Callisthenes)*** FISCHER von WALDHEIM 1846 -----------------R--------
= (*cyaneosternum (Callisthenes)* MANDL 1954)
= (*breuningi (Callisthenes)* MANDL 1954)
ssp. ***karelini (Callisthenes karelini, ssp.)*** FISCHER von WALDHEIM 1846 -----------------R-------- Ra: N spurs of Dzhungarsky Alatau Mts.
ssp. ***rostislavi (Callisthenes karelini, ssp.)*** SEMENOV 1906 **Stat. nov.**[148] -----------------R-------- S Dzhungarsky Alatau Mts, right bank of Ili Riv.
= *subtilestriatus (Callisthenes karelini, syn.)* MANDL 1954

9 ***marginatus (Callisthenes)*** GEBLER 1830 -------------------T------ Tb: Narymsky Mt.R.

10 ***panderi (Callisthenes)*** FISCHER von WALDHEIM 1822 ---D---------------------- west Kazakhstan

11 ***pseudocarabus (Callisthenes)*** SEMENOV et REDIKORZEW 1928[149] -------------------T------ Ta: Saur, Kurchumsky Mt.R.

12 ***pavlovskyi (Callisthenes)*** KRYZHANOVSKIJ 1955 **Sp. rest.**[150] -----------------R-------- valley of Talas Riv.
= *pseudokarelini (Callisthenes)* auct. [non MANDL 1954]

13 ***regelianus (Callisthenes)*** A.MORAWITZ 1886 ------------------S------- Tajikistan
= *ovalis (Callisthenes)* A.MORAWITZ 1886
= *oxygonus (Callisthenes)* A.MORAWITZ 1886

14 ***usgentensis (Callisthenes)*** SOLSKY 1874 -----------------R-------- ReSa
ssp. ***usgentensis (Callisthenes usgentensis, ssp.)*** SOLSKY 1874 -----------------R-------- Re ?Rd: Naryn valley
ssp. ***rugiceps (Callisthenes usgentensis, ssp.)*** KRAATZ 1884 -----------------R-------- Re: Ferganskyi Mt.R.

Subgenus ***Callisphaena*** MOTSCHULSKY 1865

Type species: *Carabus reticulatus* FABRICIUS 1787

15 (***reticulatus (Callisthenes)*** FABRICIUS 1787) ------G------N------------ Gc2 - Kurush

Genus ***Carabus*** LINNAEUS 1758[151]

Type species: *Carabus granulatus* LINNAEUS 1758
= *Tachypus* F.WEBER 1801

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147 A restudy of a paratype of *C. pseudokarelini* Mandl (kept in ZISP) has allowed to establish the synonymy *C. kuschakewitschi plasoni* Born = *C. pseudokarelini* Mandl, syn. n. (I. Kabak) .

148 *Callisthenes karelini rostislavi* differs well from the nominotypical subspecies by the obliterated sculpture on the elytral disk and the absence of a blue lustre of the underside. Yet there are populations deriving from the N foothills of the Dzhungarsky Alatau Mts, from Taldy-Kurgan to Sarkand, which display intermediate characters (I. Kabak) .

149 Perhaps only a subspecies of *C. marginatus* Gebl. The latter taxon was originally described from a single specimen labelled Nor-Zaisan, with the type being presumably lost. In 1986, we collected 3" in the W part of Narymsky Mt. Range, South Altais, matching the description. On the other hand, they are rather close to *C. pseudocarabus* Sem. & Red., from the Saur Mts (locus typicus) and the Kurchumsky Mt. Range. Ecology of both taxa is similar, for they both populate montane steppes and thus differ strikingly from the Tian-Shan *Callisthenes* inhabiting the foothills and lowland plains. Hence to ultimately solve the problem concerning the identity of *C. pseudocarabus*, additional material from the South Altai Mts is warranted (I. Kabak) .

150 A restudy of a paratype of *C. pseudokarelini* Mandl (kept in ZISP) has allowed to restore the full specific status of *C. pavlovskyi* Kryzh. 1955 (I. Kabak) .

151 The subgeneric division of this genus is a lot disputed about. The latest catalogues (Brezina, 1994; Deuve, 1994) adhere to the system introduced by Ishikawa (1978) and modified by Deuve (1993) . The present paper accepts the classification as based on the characters of larval stages (Makarov, 1991, 1993) . It stipulates only three groups of *Carabus* subgenera: *Archeocarabus*, *Metacarabus*, and *Neocarabus* (sensu Bengtsson, 1927) (K. Makarov) .

Subgenus ***Acrocarabus*** LAPOUGE 1931

Type species: *Carabus guerini* FISCHER von WALDHEIM 1842

1 ***guerini (Carabus)*** FISCHER von WALDHEIM 1842 ----------R-------- Ra
ssp. ***guerini (Carabus guerini, ssp.)*** FISCHER von WALDHEIM 1842 ----------R-------- Ra: mountains N of Koksu River
= *erichsoni (Carabus guerini, syn.)* FISCHER von WALDHEIM 1844
= *duarius (Carabus guerini, syn.)* MOTSCHULSKY 1846
= *violacea (Carabus guerini, syn.)* BREUNING 1972
ssp. ***aldarkose (Carabus guerini, ssp.)*** KABAK 1992 ----------R-------- Ra: env. Rudnichnyi
2 ***callisthenoides (Carabus)*** SEMENOV 1888 ----------R-------- Ra: mountains S of Koksu River

Subgenus ***Eucarabus*** GÉHIN 1885

Type species: *Carabus ullrichi* GERMAR 1824

= *Eutelocarabus* GÉHIN 1885
Type species: *Carabus arvensis* HERBST 1784

= *Xystrocarabus* REITTER 1896
Type species: *Carabus catenatus* PANZER 1805 [= *C.catenulatus* SCOPOLI 1763]

= *Tylocarabus* REITTER 1896
Type species: *Carabus cumanus* FISCHER von WALDHEIM 1823

= *Araeocarabus* REITTER 1896
Type species: *Carabus billbergi* MANNERHEIM 1827

= *Apocarabus* LAPOUGE 1930
Type species: *Carabus stscheglowi* MANNERHEIM 1827

= *Parhomopterus* LAPOUGE 1931
Type species: *Carabus billbergi* MANNERHEIM 1827

= *Orientocarabus* KWON et LEE 1983
Type species: *Carabus billbergi* MANNERHEIM 1827

3 ***arvensis (Carabus)*** HERBST 1784 ABCD------K-MN-----TUVW-YZ
= *arcensis (Carabus)* auct.
ssp. ***arvensis (Carabus arvensis, ssp.)*** HERBST 1784 -BCD----------
= *pomeranus (Carabus arvensis, syn.)* GMELIN 1788
= *aereus (Carabus arvensis, syn.)* DEJEAN 1828
= *seileri (Carabus arvensis, syn.)* HEER 1837
= *cupreoaeneus (Carabus arvensis, syn.)* LETZNER 1850
= *viridiaeneus (Carabus arvensis, syn.)* LETZNER 1850
= *viridis (Carabus arvensis, syn.)* LETZNER 1850
= *nigrescens (Carabus arvensis, syn.)* LETZNER 1850
= *marginatus (Carabus arvensis, syn.)* LETZNER 1850
= *niger (Carabus arvensis, syn.)* LETZNER 1850
= *versicolor (Carabus arvensis, syn.)* LETZNER 1850
= *purpurescens (Carabus arvensis, syn.)* LETZNER 1850
= *ziegleri (Carabus arvensis, syn.)* GÉHIN 1876
= *cuprescens (Carabus arvensis, syn.)* DALLA TORRE 1877
= *virescens (Carabus arvensis, syn.)* DALLA TORRE 1877
= *fulvescens (Carabus arvensis, syn.)* DALLA TORRE 1877
= *nigrinus (Carabus arvensis, syn.)* WESTHOFF 1881
= *aeratus (Carabus arvensis, syn.)* GÉHIN 1885
= *ruficrus (Carabus arvensis, syn.)* GÉHIN 1885
= *nigrinopomeranus (Carabus arvensis, syn.)* RADE 1895
= *austriae (Carabus arvensis, syn.)* SOKOLAR 1907
= *detritus (Carabus arvensis, syn.)* LAPOUGE 1908
= *simplex (Carabus arvensis, syn.)* LAPOUGE 1908
= *germiniae (Carabus arvensis, syn.)* LENGERKEN 1911
= *borussicus (Carabus arvensis, syn.)* CSIKI 1927 [nom. pro *detritus* LAPOUGE 1908]
ssp. ***carpathus (Carabus arvensis, ssp.)*** BORN 1902 A-----------------------
? *eremitus (Carabus arvensis, syn.)* FISCHER von WALDHEIM 1823
= *romanus (Carabus arvensis, syn.)* MARCU 1937
= *csikensis (Carabus arvensis, syn.)* CSIKI 1885
= *pseudonoricus (Carabus arvensis, syn.)* KENYERY 1983
ssp. ***baschkiricus (Carabus arvensis, ssp.)*** BREUNING 1932 --C----------------------
= *laticollis (Carabus arvensis, syn.)* MOTSCHULSKY 1850
ssp. ***jurgitae (Carabus arvensis, ssp.)*** DEUVE 1993[152] ----------T------ Tdg: Altais: Aktash
ssp. ***conciliator (Carabus arvensis, ssp.)*** FISCHER von WALDHEIM 1822 ----------KLM------TUVWX--
= *kirbyi (Carabus arvensis, syn.)* FISCHER von WALDHEIM 1827
= *dauricus (Carabus arvensis, syn.)* GEBLER 1827
= *vinculatus (Carabus arvensis, syn.)* GEBLER 1830
= *kamtschaticus (Carabus arvensis, syn.)* MOTSCHULSKY 1846
= *femoralis (Carabus arvensis, syn.)* MOTSCHULSKY 1865
= *amurensis (Carabus arvensis, syn.)* GÉHIN 1885
= *concinnus (Carabus arvensis, syn.)* KRAATZ 1886
= *viridiniger (Carabus arvensis, syn.)* KRAATZ 1886
= *sachalinensis (Carabus arvensis, syn.)* LAPOUGE 1906
= *jelanensis (Carabus arvensis, syn.)* LAPOUGE 1908
ssp. ***faldermanni (Carabus arvensis, ssp.)*** DEJEAN 1829 ------------------------YZ
= *viridicoeruleus (Carabus arvensis, syn.)* KRAATZ 1886
= *bellus (Carabus arvensis, syn.)* KRAATZ 1886
= *nigerrimus (Carabus arvensis, syn.)* KRAATZ 1888
= *provosti (Carabus arvensis, syn.)* FAIRMAIRE 1888
ssp. ***hokkaidensis (Carabus arvensis, ssp.)*** LAPOUGE 1924 ------------------------Z Kunashir Isl., southern part
4 ***altuvensis (Carabus)*** SHILENKOV in litt. ----------T------
5 ***stscheglowi (Carabus)*** MANNERHEIM 1827 --C----------------------
= *zakharschewskii (Carabus)* MOTSCHULSKY 1845
6 ***billbergi (Carabus)*** MANNERHEIM 1827 ----------V--Y- Vabe
ssp. ***billbergi (Carabus billbergi, ssp.)*** MANNERHEIM 1827 ----------V--Y-
= *sedakovi (Carabus)* FISCHER von WALDHEIM 1844
= *stschukini (Carabus)* FISCHER von WALDHEIM 1844
= *aequatus (Carabus)* MOTSCHULSKY 1845

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152 We rather face a high-montane form locally occurring in the mountains of Altai and Tuva, and differing in a lesser size and relatively shorter elytra (V. Shilenkov) .

= *cupricollis (Carabus)* KRAATZ 1886
= *viridicollis (Carabus)* KRAATZ 1886
= *niger (Carabus)* KRAATZ 1886
= *mandschuricus (Carabus)* BREUNING 1961
ssp. ***pumilus (Carabus billbergi, ssp.)*** KRAATZ 1880 ----------Y- Malyi Khingan Mt.R.

7 ***cumanus (Carabus)*** FISCHER von WALDHEIM 1823 -----FG---------- N macroslope only
= *laetulus (Carabus)* REITTER 1888
= *lagodai (Carabus)* LUTSHNIK 1911
= *submicans (Carabus)* REITTER 1888
var. *sobrinus (Carabus cumanus, var.)* MÉNÉTRIÉS 1832

8 ***ullrichi (Carabus)*** GERMAR 1824 ---D---------- Dab
= *leuckarti (Carabus)* PETRI 1885
= *kardaschi (Carabus)* FLEISCHER 1926
= *volhynicus (Carabus)* LUTSHNIK 1927
= *planitiae (Carabus)* CSIKI 1929
= *donovalensis (Carabus)* SMETANA 1951
= *podolicus (Carabus)* SEMENOV 1896
= *pavlitscheki (Carabus)* BORN 1907
? *intercessor (Carabus)* SOKOLAR 1912

Subgenus ***Autocarabus*** SEIDLITZ 1887

Type species: *Carabus auratus* LINNAEUS 1761

= *Goniocarabus* REITTER 1896

Type species: *Carabus cancellatus* ILLIGER 1798

= *Loxocarabus* REITTER 1896

Type species: *Carabus obsoletus* STURM 1815

= *Cancellocarabus* LUTSHNIK 1924

Type species: *Carabus cancellatus* ILLIGER 1798

9 ***obsoletus (Carabus)*** STURM 1815
= *euchromus (Carabus)* SCHAUM 1861
= *sacheri (Carabus)* THOMSON 1875
= *aureocupreus (Carabus)* REITTER 1880
= *csiki (Carabus)* MALLASZ 1901
= *mallaszi (Carabus)* LAPOUGE 1908
= *uhligi (Carabus)* LAPOUGE 1908
= *dudichi (Carabus)* CSIKI 1927 [nom. pro *sacheri* THOMSON 1875]
= *bicoloratus (Carabus)* FLEISCHER 1930
= *tesari (Carabus)* NIEDL 1957
ssp. ***carpathicus (Carabus obsoletus, ssp.)*** PALLIARDI 1825 A-----------------------
= *bielzi (Carabus obsoletus, syn.)* BIRTHLER 1886
= *deubelianus (Carabus obsoletus, syn.)* FLEISCHER 1911

10 ***auratus (Carabus)*** LINNAEUS 1761 --C---------- possible in extreme W of Ca
= *sulcatus (Carabus)* DE GEER 1774
= *picipes (Carabus)* LETZNER 1850
= *contortus (Carabus)* LETZNER 1850
= *coeruleomicans (Carabus)* LETZNER 1850
= *laniarius (Carabus)* GISTEL 1857
= *vridiauratus (Carabus)* DALLA TORRE 1877
= *opacoviridis (Carabus)* DALLA TORRE 1877
= *nigripes (Carabus)* DALLA TORRE 1877
= *catalaunicus (Carabus)* GÉHIN 1885
= *brullei (Carabus)* GÉHIN 1885
= *obscuricornis (Carabus)* BEUTHIN 1885
= *worleei (Carabus)* BEUTHIN 1896
= *rotundatus (Carabus)* BORN 1895
= *auratoides (Carabus)* REITTER 1896
= *perauratus (Carabus)* REITTER 1896
= *sulcatissimus (Carabus)* LAPOUGE 1898
= *laticollaris (Carabus)* BOCKLETH 1904
= *quadricostatus (Carabus)* BOCKLETH 1904
= *confluentinus (Carabus)* BOCKLETH 1904
= *labittei (Carabus)* CLEMENT 1904
= *perviridis (Carabus)* BORN 1915
= *bettingeri (Carabus)* BARTHE 1921
= *anthracinus (Carabus)* BARTHE 1921
= *erythropus (Carabus)* BARTHE 1921
= *brunieri (Carabus)* BARTHE 1921
= *dufouri (Carabus)* BARTHE 1921
= *barthei (Carabus)* LEBIS 1924
= *hilairei (Carabus)* GAVOY 1925
= *dufourianus (Carabus)* CSIKI 1927 [nom. pro *dufouri* BARTHE 1922]
= *nigricatus (Carabus)* CSIKI 1927 [nom. pro *anthracinus* BARTHE 1921]
= *rutilipes (Carabus)* CSIKI 1927 [nom. pro *erythropus* BARTHE 1921]
= *clementi (Carabus)* SIRGUEY 1931
= *rivalieri (Carabus)* BOURGIN 1948
= *concyri (Carabus)* MACHARD 1973
= *plonnieri (Carabus)* MACHARD 1973
= *isignyensis (Carabus)* MACHARD 1977

11 ***cancellatus (Carabus)*** ILLIGER 1798 ABCDEF-----LM------TU----- Ubc
= *cupreoaeneus (Carabus)* DALLA TORRE 1877
= *rufofemoratus (Carabus)* LETZNER 1849
= *haematomerus (Carabus)* KRAATZ 1879
= *rufipes (Carabus)* KRAATZ 1879
= *femoralis (Carabus)* GÉHIN 1885
f. *oligoscythus (Carabus cancellatus, f.)* KOLBE 1913
= *bucoviniacus (Carabus cancellatus, syn.)* KOLBE 1913
= *oriundus (Carabus cancellatus, syn.)* KOLBE 1913
= *moldavicus (Carabus cancellatus, syn.)* KOLBE 1913
= *dobrudschensis (Carabus cancellatus, syn.)* BERNAU 1913
= *subfallax (Carabus cancellatus, syn.)* BERNAU 1913
= *charcoviensis (Carabus cancellatus, syn.)* BERNAU 1913
f. *tuberculatus (Carabus cancellatus, f.)* DEJEAN 1826

= *conjunctus (Carabus cancellatus, syn.)* LOMNICKI 1892
= *bicolor (Carabus cancellatus, syn.)* BEUTHIN 1896
= *gracilis (Carabus cancellatus, syn.)* KOLBE 1913
= *kniephofi (Carabus cancellatus, syn.)* LANGENHAN 1913
= *rapax (Carabus cancellatus, syn.)* BERNAU 1913
= *obscuriusculus (Carabus cancellatus, syn.)* EIDAM 1930
= *novotnyi (Carabus cancellatus, syn.)* EIDAM 1930
= *ingulensis (Carabus cancellatus, syn.)* EIDAM 1941
f. *sajanensis (Carabus cancellatus, f.)* REITTER 1896
= *rossicus (Carabus cancellatus, syn.)* LAPOUGE 1902
= *balticus (Carabus cancellatus, syn.)* BORN 1915

Subgenus ***Carabus*** LINNAEUS 1758

Type species: *Carabus granulatus* LINNAEUS 1758

= *Carabus* THOMSON 1875

Type species: *Carabus granulatus* LINNAEUS 1758

= *Paracarabus* LAPOUGE 1931

Type species: *Carabus granulatus* LINNAEUS 1758

= *Neocarabus* HATCH 1949

Type species: *Carabus granulatus* LINNAEUS 1758

12 ***granulatus (Carabus)*** LINNAEUS 1758 `ABCDEF----KLMNOP-R-TUVWXYZ`
ssp. ***granulatus (Carabus granulatus, ssp.)*** LINNAEUS 1758 `ABCD-F----K--------------`
= *chalybaeus (Carabus granulatus, syn.)* VOET 1776
= *campestris (Carabus granulatus, syn.)* ADAMS 1817
= *parvicollis (Carabus granulatus, syn.)* KRAATZ 1878
= *forticostis (Carabus granulatus, syn.)* KRAATZ 1878
= *hibernicus (Carabus granulatus, syn.)* LINDROTH 1956
= *granulatulus (Carabus granulatus, syn.)* MANDL 1955
var. *rufofemoratus (Carabus granulatus, var.)* LETZNER 1850
= *rubripes (Carabus granulatus, syn.)* GÉHIN 1876
= *haematomerus (Carabus granulatus, syn.)* KRAATZ 1878
= *fulvipes (Carabus granulatus, syn.)* GÉHIN 1885
= *confluens (Carabus granulatus, syn.)* FISCHER von WALDHEIM 1827
= *wimmeli (Carabus granulatus, syn.)* SCHULZ 1900
var. *virescens (Carabus granulatus, var.)* LETZNER 1850
= *viridiaeneus (Carabus granulatus, syn.)* DALLA TORRE 1877
= *parallelus (Carabus granulatus, syn.)* FALDERMANN 1835
var. *nigrescens (Carabus granulatus, var.)* LETZNER 1850
= *atrocyanescens (Carabus granulatus, syn.)* LAMY 1973
var. *niger (Carabus granulatus, var.)* LETZNER 1850
= *nigroaeneus (Carabus granulatus, syn.)* DALLA TORRE 1877
var. *cupreoaeneus (Carabus granulatus, var.)* DALLA TORRE 1877
ssp. ***crimeensis (Carabus granulatus, ssp.)*** BREUNING 1933 `----E---------------------`
ssp. ***leander (Carabus granulatus, ssp.)*** KRAATZ 1878 `------G------------------- Gabc1: only N macroslope of Caucasus Major`
ssp. ***duarius (Carabus granulatus, ssp.)*** FISCHER von WALDHEIM 1844 `-----------LMNO----TUVWXY-`
= *elongatus (Carabus granulatus, syn.)* FISCHER von WALDHEIM 1842
= *confluens (Carabus granulatus, syn.)* FISCHER von WALDHEIM 1827
= *songoricus (Carabus granulatus, syn.)* MOTSCHULSKY 1850
= *dauricus (Carabus granulatus, syn.)* SOLSKY 1875
= *cupriculus (Carabus granulatus, syn.)* REITTER 1896
= *lenensis (Carabus granulatus, syn.)* POPPIUS 1906
= *solskyanus (Carabus granulatus, syn.)* GÉHIN 1885
ab. *expansus (Carabus granulatus, ab.)* LAPOUGE 1924
ssp. ***tellurius (Carabus granulatus, ssp.)*** H.BATES 1883 `------------------------Y-`
= *pekinensis (Carabus granulatus, syn.)* FAIRMAIRE 1887
= *ussuriensis (Carabus granulatus, syn.)* BORN 1914
= *gobiensis (Carabus granulatus, syn.)* LAPOUGE 1924
= *luctuosis (Carabus granulatus, syn.)* LAPOUGE 1924
= *luctisonius (Carabus granulatus, syn.)* CSIKI 1927 [nom. pro *luctuosus* LAPOUGE 1924]
ssp. ***yezoensis (Carabus granulatus, ssp.)*** H.BATES 1883 `-------------------------Z`
= *sachalinensis (Carabus granulatus, syn.)* MATSUMURA 1911
= *praedator (Carabus granulatus, syn.)* LAPOUGE 1924
= *karafutensis (Carabus granulatus, syn.)* CSIKI 1927 [nom. pro *sachalinenesis* MATSUMURA 1911]
13 ***corticalis (Carabus)*** MOTSCHULSKY 1844 `------GH------------------ Gc1Hc`
= *daghestanicus (Carabus)* LAPOUGE 1924
= *ponticus (Carabus)* LAPOUGE 1924
= *ponti (Carabus)* CSIKI 1927 [nom. pro *ponticus* LAPOUGE 1924]
14 ***sculpturatus (Carabus)*** MÉNÉTRIÉS 1832 `---------J----------------`
= *lenkoranus (Carabus)* REITTER 1896
= *gilanicus (Carabus)* MANDL 1955
= *hyrcanus (Carabus)* HEINZ 1978
15 ***menetriesi (Carabus)*** FALDERMANN 1827 `-BC--------L--------------`

Subgenus ***Morphocarabus*** GÉHIN 1885

Type species: *Carabus monilis* FABRICIUS 1792

= *Apostocarabus* REITTER 1896

Type species: *Carabus odoratus* MOTSCHULSKY 1844

= *Pancarabus* REITTER 1896

Type species: *Carabus aeruginosus* FISCHER von WALDHEIM 1822

= *Promorphocarabus* REITTER 1896

Type species: *Carabus gebleri* FISCHER von WALDHEIM 1817

= *Ancylocarabus* REITTER 1896

Type species: *Carabus tarbagataicus* KRAATZ 1878

= *Gigantocarabus* SEMENOV 1898

Type species: *Carabus gebleri* FISCHER von WALDHEIM 1817

= *Sajanocarabus* LUTSHNIK 1924

Type species: *Carabus kozhantschikowi* LUTSHNIK 1924

= *Amorphocarabus* LAPOUGE 1930

Type species: *Carabus hennigi* FISCHER von WALDHEIM 1817

= *Basilicarabus* LAPOUGE 1930

Type species: *Carabus regalis* FABRICIUS 1822

16	***gebleri (Carabus)*** FISCHER von WALDHEIM 1817	----------T------	Tb
17	***tarbagataicus (Carabus)*** KRAATZ 1878	----------T------	Ta
ssp.	***tarbagataicus (Carabus tarbagataicus, ssp.)*** KRAATZ 1878	----------T------	Ta
ssp.	***dshungaricus (Carabus tarbagataicus, ssp.)*** CSIKI 1927	----------T------	Ta
=	*motschulskyi (Carabus tarbagataicus, syn.)* LAPOUGE 1909		
ssp.	***pietrorattii (Carabus tarbagataicus, ssp.)*** DEUVE 1991	----------T------	
=	*pseudogebleri (Carabus tarbagataicus, syn.)* DEUVE 1994 **Syn. nov.**[153]		
18	***aeruginosus (Carabus)*** FISCHER von WALDHEIM 1822	-BC-------KLMN-----TUV----	BeCcUbcVa
ssp.	***aeruginosus (Carabus aeruginosus, ssp.)*** FISCHER von WALDHEIM 1822	----------KLMN-----TUV----	
=	*aereus (Carabus aeruginosus, syn.)* DEJEAN 1826		
=	*incertus (Carabus)* MOTSCHULSKY 1844		
=	*capucinus (Carabus)* GÉHIN 1885		
=	*cereus (Carabus)* LAPOUGE 1912		
=	*subcostatus (Carabus)* MOTSCHULSKY 1850		
=	*gmelini (Carabus)* FISCHER von WALDHEIM 1827		
ssp.	***herrmanni (Carabus aeruginosus, ssp.)*** MANNERHEIM 1827	-BC-------K---------------	
19	***werzhutzkii (Carabus)*** O.BERLOV et SHILENKOV in litt.	----------T------	Tb
20	***spasskianus (Carabus)*** FISCHER von WALDHEIM 1822	----------TUV----	Va
=	*putus (Carabus)* MOTSCHULSKY 1844		
=	*gryphus (Carabus)* MOTSCHULSKY 1844		
=	*teichlerti (Carabus)* MANDL 1963		
21	***aeruginosiformis (Carabus)*** BREUNING 1932	----------T------	Teg
ssp.	***aeruginosiformis (Carabus aeruginosiformis, ssp.)*** BREUNING 1932	----------T------	Te
ssp.	***microputus (Carabus aeruginosiformis, ssp.)*** O.BERLOV et SHILENKOV in litt.	----------T------	Tg
22	***eschscholtzi (Carabus)*** MANNERHEIM 1827	----------T------	
ssp.	***eschscholtzi (Carabus)*** MANNERHEIM 1827	----------T------	Tb
ssp.	***zyrjanovskianus (Carabus eschscholtzi, ssp.)*** SHILENKOV et O.BERLOV in litt.	----------T------	Tb
23	***hummeli (Carabus)*** FISCHER von WALDHEIM 1823	----------K--------TUVWXYZ	
ssp.	***hummeli (Carabus hummeli, ssp.)*** FISCHER von WALDHEIM 1823	----------K--------TUVW---	Ka1Wcd
=	*burnaschewi (Carabus hummeli, syn.)* DEJEAN 1826		
=	*cyaneoviolaceus (Carabus hummeli, syn.)* MOTSCHULSKY 1844		
=	*obversus (Carabus hummeli, syn.)* MOTSCHULSKY 1846		
?	*multistriatus (Carabus hummeli, syn.)* LAPOUGE 1924	Khamar-Daban	
=	*densestriatus (Carabus hummeli, syn.)* CSIKI 1927 [nom. pro *multistriatus* LAPOUGE 1924]		
ssp.	***smaragdulus (Carabus hummeli, ssp.)*** KRAATZ 1878	----------Y-	Yb
=	*chrysothorax (Carabus hummeli, syn.)* KRAATZ 1886		
=	*purpuricollis (Carabus hummeli, syn.)* KRAATZ 1886		
=	*subauratus (Carabus hummeli, syn.)* KRAATZ 1886		
=	*subaeneus (Carabus hummeli, syn.)* KRAATZ 1886		
ssp.	***stolidus (Carabus hummeli, ssp.)*** LAPOUGE 1924	----------T--W---	TfWb
ssp.	***amurlandicus (Carabus hummeli, ssp.)*** SHILENKOV 1994	----------Y-	Ya
=	*viridimarginatus (Carabus hummeli, syn.)* KRAATZ 1886 [non LETZNER 1850]		
=	*purpuripennis (Carabus hummeli, syn.)* KRAATZ 1886		
=	*viridipennis (Carabus hummeli, syn.)* KRAATZ 1886 [non LEWIS 1880]		
=	*buriatus (Carabus hummeli, syn.)* LAPOUGE 1924		
ssp.	***tristiculus (Carabus hummeli, ssp.)*** KRAATZ 1878	----------Y-	Ya
=	*gracilentus (Carabus hummeli, syn.)* KRAATZ 1881		
=	*decoloratus (Carabus hummeli, syn.)* KRAATZ 1886		
=	*suensoni (Carabus hummeli, syn.)* MANDL 1979		
ssp.	***gustavi (Carabus hummeli, ssp.)*** SHILENKOV in litt.	----------Y-	Yd
ssp.	***middendorfi (Carabus hummeli, ssp.)*** MÉNÉTRIÉS 1851	----------VW---	VeWb
=	*ochoticus (Carabus hummeli, syn.)* MANNERHEIM 1852		
ssp.	***nevelskii (Carabus hummeli, ssp.)*** SHILENKOV in litt.	----------Z	Za
24	***henningi (Carabus)*** FISCHER von WALDHEIM 1817	-BC-------KLMN-----TUV----	BdefCcVa
ssp.	***hennigi (Carabus henningi, ssp.)*** FISCHER von WALDHEIM 1817	-BC-------KLMN------------	
=	*ruficornis (Carabus henningi, syn.)* KRAATZ 1882		
=	*spurius (Carabus henningi, syn.)* KRAATZ 1882		
=	*unicolor (Carabus henningi, syn.)* KRAATZ 1882		
=	*barnaulanus (Carabus henningi, syn.)* BORN 1922		
=	*uralicus (Carabus henningi, syn.)* BORN 1922		
ssp.	***oviformis (Carabus henningi, ssp.)*** BEHEIM et BREUNING 1949	----------K---------------	Ka
ssp.	***sahlbergi (Carabus henningi, ssp.)*** DEJEAN 1826	----------TUV----	Va
=	*sajanicus (Carabus henningi, syn.)* CSIKI 1901		
=	*roeschekei (Carabus henningi, syn.)* CSIKI 1901		
25	***shilenkovi (Carabus)*** O.BERLOV 1989	----------T-VWX--	Tf
26	***odoratus (Carabus)*** MOTSCHULSKY 1844	-B--------KL-------TUVWX--	
ssp.	***odoratus (Carabus odoratus, ssp.)*** MOTSCHULSKY 1844	----------V----	Va
ssp.	***dohrni (Carabus odoratus, ssp.)*** GEBLER 1847	----------T------	Tc
=	*interstitialis (Carabus odoratus, syn.)* MOTSCHULSKY 1845 [nom. nud.]		
ssp.	***irkoutskensis (Carabus odoratus, ssp.)*** LAPOUGE 1915	----------UV----	
=	*irkoutskensis (Carabus odoratus, syn.)* GÉHIN 1885 [nom. nud.]		
ssp.	***melleus (Carabus odoratus, ssp.)*** LAPOUGE 1909	----------T------	Tf
=	*neglectus (Carabus odoratus, syn.)* LAPOUGE 1913		
=	*mongolorum (Carabus odoratus, syn.)* CSIKI 1927 [nom. pro *neglectum* LAPOUGE 1913]		
=	*vulneratus (Carabus odoratus, syn.)* LAPOUGE 1915		
ssp.	***kamchatensis (Carabus odoratus, ssp.)*** BREUNING 1927	----------X--	Xd
ssp.	***septentrionalis (Carabus odoratus, ssp.)*** BREUNING 1932	-B--------KL----------	BfKa
ssp.	***baeri (Carabus odoratus, ssp.)*** MÉNÉTRIÉS 1851	----------W---	
=	*tolli (Carabus odoratus, syn.)* POPPIUS 1910		
ssp.	***chaffanjoni (Carabus odoratus, ssp.)*** LESNE 1897	----------W---	Wb
ssp.	***viridilimbatus (Carabus odoratus, ssp.)*** MOTSCHULSKY 1859	----------V----	

153 *C. dzhungaricus pietroratti* Deuve, 1991 has been described from the Tarbagatai Mt. Range N of Urdzhar, whereas *C. tarbagataicus pseudogebleri* Deuve, 1994 derives from the environs of Alekseevka, both loci typici thus coinciding. A study of abundant material coupled with field observations on the S slopes of the Tarbagatai Mt. Range (near Alekseevka, Blagodatnoe, Blagodarnoe) has led us to the conclusion that the differences stated in the original descriptions represent individual variations. The subspecific forms of *C. tarbagataicus* as treated by Deuve (1994) seem justified, for populations have been found on the N slopes of Tarbagatai Mt. Range which display a set of characters intermediate between *C. tarbagataicus* and *C. dzhungaricus* (I. Kabak) .

27 ***karpinskii (Carabus)*** KRYZHANOVSKIJ et MATVEEV 1993 ----------K---------- Kb

28 ***michailovi (Carabus)*** KABAK 1992[154] ----------T------ Tb: Sarym-Sakty Mt.R.

29 ***mestscherjakovi (Carabus)*** LUTSHNIK 1924 ----------T------ Tef: West & East Sayan

30 ***zherichini (Carabus)*** SHILENKOV 1990 ----------KL--------U-W--- Polar Urals, Taimyr, Gyda Peninsula

ssp. ***zherichini (Carabus zherichini, ssp.)*** SHILENKOV 1990 ----------KL--------U----- KaUa

= *pjasinensis (Carabus zherichini, syn.)* GOTTWALD 1993 **Syn. nov.**[155]

ssp. ***kuzminae (Carabus zherichini, ssp.)*** SHILENKOV 1990 ----------W--- Wa: basin of Kolyma Riv.

31 ***kozhantschikovi (Carabus)*** LUTSHNIK 1924 ----------T------ Te

= *martjanovi (Carabus)* LUTSHNIK 1924

32 ***regalis (Carabus)*** FISCHER von WALDHEIM 1822 -BC-------KLMN-----TU----- BdfCc

ssp. ***regalis (Carabus regalis, ssp.)*** FISCHER von WALDHEIM 1822 -BC-------KLMN----------

= *cuprinus (Carabus regalis, syn.)* FISCHER von WALDHEIM 1822

= *cyanicollis (Carabus regalis, syn.)* DEJEAN 1826

= *pasianax (Carabus regalis, syn.)* FISCHER von WALDHEIM 1827

= *interstinctus (Carabus regalis, syn.)* MOTSCHULSKY 1865

= *viridicinctus (Carabus regalis, syn.)* KRAATZ 1882

= *viridicollis (Carabus regalis, syn.)* KRAATZ 1882

= *cyanescens (Carabus regalis, syn.)* KRAATZ 1882

= *nigritulus (Carabus regalis, syn.)* KRAATZ 1882

= *jureceki (Carabus regalis, syn.)* BORN 1922

= *volgensis (Carabus regalis, syn.)* CSIKI 1927 [nom. pro *jureceki* BORN 1922]

ssp. ***jenissoni (Carabus regalis, ssp.)*** DEJEAN 1831 ----------TU-----

= *dubius (Carabus regalis, syn.)* MOTSCHULSKY 1846

= *jacutus (Carabus regalis, syn.)* MÄKLIN 1881

= *fraudator (Carabus regalis, syn.)* LAPOUGE 1906

= *hunnorum (Carabus regalis, syn.)* LAPOUGE 1909

33 ***excellens (Carabus)*** FABRICIUS 1798 --CD----------

ssp. ***excellens (Carabus excellens, ssp.)*** FABRICIUS 1798 --CD---------- extreme S of Ca; Dd

= *goldeggi (Carabus)* DUFTSCHMID 1812

= *erythromerus (Carabus)* DEJEAN 1826

= *erythrodes (Carabus)* FISCHER von WALDHEIM 1827

= *lomnitzkii (Carabus)* REITTER 1896

ssp. ***frivaldskyi (Carabus excellens, ssp.)*** KRAATZ 1887 ---D---------- Da

= *polonicus (Carabus excellens, syn.)* LOMNICKI 1886

= *moldaviensis (Carabus excellens, syn.)* BORN 1903

= *pyretanus (Carabus excellens, syn.)* HORMUSACHI 1907

34 ***hampei (Carabus)*** KÜSTER 1846 A----------

= *aurosericeus (Carabus)* KRAATZ 1880

= *marusii (Carabus)* ORMAY 1890

= *liebli (Carabus)* DIETL 1897

= *mendax (Carabus)* CSIKI 1906

35 ***scheidleri (Carabus)*** PANZER 1799 A----------

36 ***zawadskyi (Carabus)*** KRAATZ 1854 A----------

= *dissimilis (Carabus)* CSIKI 1906

ssp. ***zawadskyi (Carabus zawadskyi, ssp.)*** KRAATZ 1854 A----------

ssp. ***ronayi (Carabus zawadskyi, ssp.)*** CSIKI 1905 A----------

Subgenus ***Leptinocarabus*** REITTER 1896

Type species: *Carabus acutesculptus* CHAUDOIR 1877

37 ***venustus (Carabus)*** A.MORAWITZ 1862 ----------Y-

= *carinulatus (Carabus)* CHAUDOIR 1869

= *christophi (Carabus)* KRAATZ 1878

= *acutesculptus (Carabus)* CHAUDOIR 1877

38 ***wulffiusi (Carabus)*** A.MORAWITZ 1862 ----------Y-

= *dekraatzi (Carabus)* KRAATZ 1881

= *distinctus (Carabus)* HAURY 1886

Subgenus ***Trachycarabus*** GÉHIN 1885

Type species: *Carabus scabriusculus* OLIVIER 1795

= *Lyperocarabus* LAPOUGE 1930

Type species: *Carabus estreicheri* FISCHER von WALDHEIM 1822

39 ***besseri (Carabus)*** FISCHER von WALDHEIM 1822 A--D----------

= *dimorphus (Carabus)* LAPOUGE 1908

= *pseudobesseri (Carabus)* LAPOUGE 1908

40 ***rybinskii (Carabus)*** REITTER 1896 A----------

41 ***errans (Carabus)*** FISCHER von WALDHEIM 1823 ---D-F----------

= *krynickii (Carabus)* FISCHER von WALDHEIM 1827

= *retowskianus (Carabus)* MANDL 1955

= *cribricollis (Carabus)* MOTSCHULSKY 1846

= *maritimus (Carabus)* MOTSCHULSKY 1850

42 ***bosphoranus (Carabus)*** FISCHER von WALDHEIM 1823 ----E-G----------

ssp. ***bosphoranus (Carabus bosphoranus, ssp.)*** FISCHER von WALDHEIM 1823 ----E----------

= *carbonarius (Carabus)* MOTSCHULSKY 1850

= *jailensis (Carabus)* BREUNING 1932

ssp. ***tscherkessicus (Carabus bosphoranus, ssp.)*** KORGE 1964 ------G---------- Gabc: only N macroslope of the Caucasus Major

43 ***haeres (Carabus)*** FISCHER von WALDHEIM 1823 --CD----------

= *fossulatus (Carabus)* DEJEAN 1826

44 ***campestris (Carabus)*** FISCHER von WALDHEIM 1822 ---DEFG----------

ssp. ***campestris (Carabus campestris, ssp.)*** FISCHER von WALDHEIM 1822 ---D-FG---------- Gbc: in the Caucasus N slope only

= *planus (Carabus campestris, syn.)* GÉHIN 1885

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154 The catalogues by Deuve (1994) and Brezina (1994) refer to *C. michailovi* Kabak 1992 as a synonym of *C. chaudoiri* Gebler 1847. The former species has been described from the Sarym-Sakty Mt. Range in South Altai Mts, whereas the latter species from Kan River in the Kuznetsky Alatau Mt. Range. So far as known, the quite large intervening areas contain collections of neither *C. chaudoiri* nor *C. michailovi*. Also, there are no grounds to question the provenance of Gebler's type material. Therefore, at the moment we prefer to treat *C. michailovi* as a good species pending the revelation of further data, especially concerning the structure of the endophallus known as offering good characters in *Morphocarabus* (I. Kabak) .

155 The species has been described from 1" deriving from the Taimyr Peninsula. Based on the original description and illustrations of the aedeagus alone, *C. pjasinensis* Gottwald 1993 can be synonymized with *C. zherichini* Shilenkov 1990, a species widespread in the Polar regions from the Ondorskaya Tundra to the Kolymskaya Lowland (V. Shilenkov) .

= *planatus (Carabus campestris, syn.)* MOTSCHULSKY 1850
= *parallelus (Carabus campestris, syn.)* FISCHER von WALDHEIM 1844
= *transcaucasicus (Carabus campestris, syn.)* CSIKI 1927 [nom. pro *campestris* FISCHER von WALDHEIM 1822]
ssp. ***perrini (Carabus campestris, ssp.)*** DEJEAN 1831 ----E----------
= *orbicollis (Carabus campestris, syn.)* MOTSCHULSKY 1846
= *campicola (Carabus campestris, syn.)* REITTER 1896
45 ***scabriusculus (Carabus)*** OLIVIER 1795 ---D----------
= *agrestis (Carabus)* CREUTZER 1799
= *erythropus (Carabus)* FISCHER von WALDHEIM 1822
= *lippii (Carabus)* DEJEAN 1826
= *curvatus (Carabus)* MOTSCHULSKY 1845
= *hoffmanni (Carabus)* MOTSCHULSKY 1845
= *inapertus (Carabus)* MOTSCHULSKY 1850
= *minutus (Carabus)* MOTSCHULSKY 1850
= *interruptus (Carabus)* BORN 1902
= *laevior (Carabus)* LAPOUGE 1908
= *cruralis (Carabus)* LAPOUGE 1908
= *longulus (Carabus)* LAPOUGE 1908
= *bulgarus (Carabus)* LAPOUGE 1908
= *costulatus (Carabus)* PETRI 1912
= *retyezaticus (Carabus)* CSIKI 1927 [nom. pro *costulatus* PETRI 1912]
= *laceratus (Carabus)* CSIKI 1927 [nom. pro *interruptus* BORN 1904]
46 ***estreicheri (Carabus)*** FISCHER von WALDHEIM 1822 ---D------K--N----------
= *modestus (Carabus)* FISCHER von WALDHEIM 1823
= *rufofemoratus (Carabus)* LOMNICKI 1829
= *accuratus (Carabus)* CHAUDOIR 1848
= *jaegeri (Carabus)* MÉNÉTRIÉS 1849
= *erythromerus (Carabus)* SEMENOV 1898
= *adoxus (Carabus)* FISCHHUBER 1923
= *rubidofemoratus (Carabus)* MARCU 1937
= *basirufus (Carabus)* MARCU 1937
47 ***latreillei (Carabus)*** FISCHER von WALDHEIM 1822 ----------UV--Y-
= *dejeani (Carabus)* FISCHER von WALDHEIM 1822
= *mannerheimi (Carabus)* DEJEAN 1826
= *interruptus (Carabus)* FISCHER von WALDHEIM 1844
= *dimidiatus (Carabus)* FISCHER von WALDHEIM 1844
= *changaicus (Carabus)* LAPOUGE 1908
= *inchanicus (Carabus)* LAPOUGE 1916
= *tcheliensis (Carabus)* LAPOUGE 1916
= *mandschurensis (Carabus)* BREUNING 1926
48 ***mandibularis (Carabus)*** FISCHER von WALDHEIM 1827 ----------T------
ssp. ***mandibularis (Carabus mandibularis, ssp.)*** FISCHER von WALDHEIM 1827 ----------T------ Ta
= *tibialis (Carabus mandibularis, syn.)* FISCHER von WALDHEIM 1842
ssp. ***buchtarmensis (Carabus mandibularis, ssp.)*** KRYZHANOVSKIJ 1953 ----------T------ Tb
49 ***planarius (Carabus)*** OBYDOV 1994 ----------T------ Tb
50 ***sibiricus (Carabus)*** FISCHER von WALDHEIM 1822 ---D------K-MN-----TU-----
ssp. ***sibiricus (Carabus sibiricus, ssp.)*** FISCHER von WALDHEIM 1822 ----------K-MN-----TU-----
= *seriatoporus (Carabus sibiricus, syn.)* FISCHER von WALDHEIM 1827
= *sibiricula (Carabus sibiricus, syn.)* MANDL 1955
ssp. ***obliteratus (Carabus sibiricus, ssp.)*** FISCHER von WALDHEIM 1827 ----------T------ Tb
= *obsoletus (Carabus sibiricus, syn.)* FISCHER von WALDHEIM 1823
= *riphaeus (Carabus sibiricus, syn.)* MOTSCHULSKY 1844
= *ledeburii (Carabus sibiricus, syn.)* FISCHER von WALDHEIM 1827
= *frater (Carabus sibiricus, syn.)* KRAATZ 1879
= *frontosus (Carabus sibiricus, syn.)* LAPOUGE 1908
ssp. ***karelini (Carabus sibiricus, ssp.)*** FISCHER von WALDHEIM 1830 ---D---------- Dd

Subgenus ***Ophiocarabus*** REITTER 1896

Type species: *Carabus striatulus* GÉHIN 1885

= *Haplocarabus* SEMENOV 1898

Type species: *Carabus confinis* SEMENOV 1888

51 ***aeneolus (Carabus)*** A.MORAWITZ 1886 ----------R-------- Rb
ssp. ***aeneolus (Carabus aeneolus, ssp.)*** A.MORAWITZ 1886 ----------R-------- Rb: Zailiisky Alatau Mt.R.
ssp. ***boomensis (Carabus aeneolus, ssp.)*** KABAK 1994 ----------R-------- Rb: western part of Kunguei Alatoo Mt.R.
52 ***striatulus (Carabus)*** GÉHIN 1885 ----------R-------- Rbc
ssp. ***striatulus (Carabus striatulus, ssp.)*** GÉHIN 1885 ----------R--------
= *issykensis (Carabus)* LAPOUGE 1925
= *bogdoinus (Carabus)* BREUNING 1932
= *scheerpeltzi (Carabus)* MANDL 1955
= *striatus (Carabus)* BALLION 1878
= *sericus (Carabus striatulus, syn.)* LAPOUGE 1925
= *harpaloides (Carabus striatulus, syn.)* LAPOUGE 1925
var. *progressus (Carabus striatulus, var.)* SEMENOV 1888 ----------R--------
= *johannis (Carabus striatulus, syn.)* REITTER 1898
var. *obscurior (Carabus striatulus, var.)* SEMENOV 1888 ----------R--------
ssp. ***thianshanicus (Carabus striatulus, ssp.)*** LAPOUGE 1925[156] ----------R-------- Rb: Kunguei Alatoo: Chon-Uryukty Mt.R.
= *uruktensis (Carabus striatulus, syn.)* KABAK 1990
53 ***successor (Carabus)*** REITTER 1896 ----------R-------- Rb: E Terskei: Bayankol & Ulken-Kokpak Riv.

Subgenus ***Cryptocarabus*** REITTER 1896

Type species: *Carabus lindemanni* BALLION 1878

= *Microcarabus* ISHIKAWA 1979

Type species: *Carabus subparallelus* BALLION 1878

54 ***lindemanni (Carabus)*** BALLION 1878 ----------R-------- Rb: env. Alma-Ata
55 ***kasantsevi (Carabus)*** KABAK 1993 ----------R-------- Rb: env. Narynkol
56 ***subparallelus (Carabus)*** BALLION 1878 ----------R-------- Rb: E part of Zailiisky Alatau Mt.R.
= *kungeicus (Carabus)* BREUNING 1934 **Syn. nov.**[157]

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156 In his catalogue, Deuve (1994) has erroneously referred to this taxon as a subspecies of *C. aeneolus Mor.* (cf. Kabak, 1994) (I. Kabak) .

= *kastschenkoi (Carabus)* BRANCSIK 1899

57 ***turkestanus (Carabus)*** BREUNING 1928[158] ----------R--------

ssp. ***turkestanus (Carabus turkestanus, ssp.)*** BREUNING 1928 ----------R-------- Rb

ssp. ***merkensis (Carabus turkestanus, ssp.)*** KABAK 1992 ----------R-------- Rb: Kirghizsky Mt.R., Merke valley

58 ***kadyrbekovi (Carabus)*** KABAK 1994 ----------R-------- Rb: W part of Zailiisky Alatau Mt.R.

59 ***tsharynensis (Carabus)*** KABAK 1994 ----------R-------- SO Kazakhstan, Charyn Riv.

60 ***iliensis (Carabus)*** KABAK 1994 ----------P---------- env. Iliyskoe

Subgenus ***Cyclocarabus*** REITTER 1896

Type species: *Carabus namanganensis* HEYDEN 1886

61 ***namanganensis (Carabus)*** HEYDEN 1886 ----------P-R--------

ssp. ***namanganensis (Carabus namanganensis, ssp.)*** HEYDEN 1886 ----------P-R-------- PcRe

= *semistriatus (Carabus)* KRAATZ 1885

= *mniszechi (Carabus)* A.MORAWITZ 1886

= *cribrithorax (Carabus)* A.MORAWITZ 1886

= *majusculus (Carabus)* SEMENOV 1896

ssp. ***sidzhakensis (Carabus namanganensis, ssp.)*** DEUVE 1991 ----------R-------- Pskemsky Mt.R.: Sidzhak, Tavaksay

ssp. ***vernus (Carabus namanganensis, ssp.)*** SEMENOV et ZNOJKO 1932 **Stat. nov.**[159] ----------R-------- Re: W Talassky Alatoo, excl. Aksu-Dzhabagly Reserve

62 ***mniszechi (Carabus)*** CHAUDOIR 1852 described from Zaisan, possible in R

63 ***martynovi (Carabus)*** SEMENOV et ZNOJKO 1932 ----------R-------- Re

ssp. ***martynovi (Carabus martynovi, ssp.)*** SEMENOV et ZNOJKO 1932 ----------R-------- Re

ssp. ***karatavensis (Carabus martynovi, ssp.)*** KRYZHANOVSKIJ 1953 ----------R-------- Re: Karatau Mt.R.

ssp. ***pseudokaratavensis (Carabus martynovi, ssp.)*** DEUVE et KALAB 1993 ----------R-------- Re: upper Pskem River

ssp. ***uzbek (Carabus martynovi, ssp.)*** DEUVE et KALAB 1992 ----------R-------- Re: N slope Kuraminsky Mt.R.

64 ***pskemicus (Carabus)*** DEUVE et KALAB 1993 ----------R-------- Re: upper Pskem River

65 ***zarudnyi (Carabus)*** SEMENOV 1932 ----------R-------- Re: upper Pskem River

66 ***aulacocnemus (Carabus)*** SEMENOV 1896 ----------R-------- Karzhantau: Aktash

= *minusculus (Carabus)* SEMENOV 1903 **Syn. nov.**[160] ----------R--------

67 ***znojkoiellus (Carabus)*** DEUVE 1988 ----------R-------- Re: Chatkalsky Mt.R.: Kumbel Pass

= *pullus (Carabus)* SEMENOV 1932

68 ***brosciformis (Carabus)*** SEMENOV 1896 ----------R-------- Re: Taschkent, loc.typ.

69 ***belousovi (Carabus)*** KABAK 1992 ----------R-------- Re: Karzhantau: Canyon of Aygyrzhirgan River

Subgenus ***Mimocarabus*** GÉHIN 1885

Type species: *Carabus maurus* ADAMS 1817

70 ***maurus (Carabus)*** ADAMS 1817 ------GHI----------

ssp. ***maurus (Carabus maurus, ssp.)*** ADAMS 1817 ------GHI---------- H

= *gemellus (Carabus maurus, syn.)* FISCHER von WALDHEIM 1844

ab. *discoideus (Carabus maurus, ab.)* REITTER 1880

ssp. ***hochhuthi (Carabus maurus, ssp.)*** CHAUDOIR 1846 -------H----------

? *paphius (Carabus maurus, syn.)* L.REDTENBACHER 1843 Loc.typ.: 'Cypern'

= *alagoensis (Carabus maurus, syn.)* KRAATZ 1896

= *geminatulus (Carabus maurus, syn.)* REITTER 1896

= *maurulus (Carabus maurus, syn.)* MANDL 1955

ssp. ***calosomoides (Carabus maurus, ssp.)*** REITTER 1896 ----------Q--------- ? S.Turkmenistan: Kopetdagh

= *demetrii (Carabus maurus, syn.)* SEMENOV 1903

71 ***pumilio (Carabus)*** KÜSTER 1846[161] -------H----------

= *araratensis (Carabus)* KRAATZ 1896

72 ***roseni (Carabus)*** REITTER 1897 ----------Q---------

Subgenus ***Archicarabus*** SEIDLITZ 1887

Type species: *Carabus nemoralis* O.MÜLLER 1764

= *Deuterocarabus* REITTER 1896

Type species: *Carabus montivagus* PALLIARDI 1825

= *Aptocarabus* REITTER 1896

Type species: *Carabus rossi* DEJEAN 1826

= *Rhipocarabus* REITTER 1896

Type species: *Carabus alysidotus* ILLIGER 1798

= *Nemoralus* SCHULER 1976

Type species: *Carabus nemoralis* O.MÜLLER 1764

73 ***nemoralis (Carabus)*** O.MÜLLER 1764 ABCD------K--N---R-------- Kb: Ekaterinburg; N: Novosibirsk; Rb: Almaty (introduced)

= *foetes (Carabus)* VOET 1778

= *nigrescens (Carabus)* LETZNER 1850

= *virescens (Carabus)* LETZNER 1850

= *tristis (Carabus)* DALLA TORRE 1877

= *krasae (Carabus)* ROUBAL 1903

= *brunnipes (Carabus)* LAPOUGE 1908

= *deletus (Carabus)* LAPOUGE 1908

= *auratus (Carabus)* HEUER 1926

= *lestagei (Carabus)* BASILEWSKY 1930

= *aubersoni (Carabus)* RAYNAUD 1973

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157 A restudy of a paratype (1”, in ZISP) has revealed that *C. subparallelus* Ball = *C. subparallelus kungeicus* Breun., syn. n., judged from peripheral characters, the shape of the aedeagus and the structure of the endophallus (I. Kabak) .

158 Deuve (1994) refers to this taxon as a subspecies of *C. subparallelus* Ball. Material at hand allows to conclude, however, that *C. turkestanus* stands as a separate species. No specimens with intermediate characters in the structure of the aedeagus and endophallus have been found along the W periphery of the range of *C. subparallelus*, up to about Kaskelen River in the Zailiisky Alatau Mt. Range (cf. Kabak, 1994) (I. Kabak) .

159 By the external characters and shape of the penial lamella, *Carabus vernus* is very similar to the nominotypical *C. namanganensis* Heyd. On the average, the aedeagus is more strongly arcuate. The shape of the endophallus is identical to that of *C. namanganensis*. Like *C. namanganensis sidzhakensis* Deuve, here we face a good subspecies (I. Kabak) .

160 Restudy of the types of *C. aulacocnemus* Sem. 1896 and *C. minusculus* Sem. 1903 as well as of additional materials from the Karzhantau Mt. Range (Aktash) has allowed to synonymize both names. Judged from the shape of the aedeagus and the structure of the endophallus, *C. aulacocnemus* Sem. is very close to the allopatric subspecies of *C. martynovi* Sem. et Zn. 1932. Moreover, the latter species can prove to actually represent but a subspecies of *C. aulacocnemus* Sem. (I. Kabak) .

161 This taxon is usually treated as a good species. Yet, despite its minute size and strongly reduced elytral macrosculpture, *C. pumilio* differs from *C. maurus* neither in the structure of the aedeagus nor in other significant characters. In contrast, throughout its range, this high-montane taxon displays gradual intergradations with the more low-montane and xerophilic *C. maurus* (I. Belousov) .

= *borealensis (Carabus)* RAYNAUD 1973
= *canadensis (Carabus)* LAPOUGE 1908
= *nigrotinctus (Carabus)* MANDL 1955

74 ***gotschi (Carabus)*** CHAUDOIR 1846 -------H------------------ Hc
= *horioni (Carabus)* KORGE 1968
= *ottomanus (Carabus)* REITTER 1896
ssp. ***gotschi (Carabus gotschi, ssp.)*** CHAUDOIR 1846 -------H------------------
ssp. ***maljuschenkoanus (Carabus gotschi, ssp.)*** BREUNING 1926 -------H------------------

75 ***victor (Carabus)*** FISCHER von WALDHEIM 1836 -------H------------------ Hb
= *motschulskyi (Carabus)* KOLENATI 1845
= *obtritus (Carabus)* LAPOUGE 1924
= *dissolutus (Carabus)* CSIKI 1927 [nom. pro *obtritus* LAPOUGE 1924]

Subgenus ***Limnocarabus*** GÉHIN 1885

Type species: *Carabus clathratus* LINNAEUS 1761

76 ***clathratus (Carabus)*** LINNAEUS 1761 -BCDEFGH-J---NOP-R-TUV--Y-
ssp. ***clathratus (Carabus clathratus, ssp.)*** LINNAEUS 1761 -BCD----------------------
= *aeneopunctatus (Carabus clathratus, syn.)* DE GEER 1774
= *longus (Carabus clathratus, syn.)* VOET 1778
= *adspersus (Carabus clathratus, syn.)* GMELIN 1788
= *detritus (Carabus clathratus, syn.)* LETZNER 1850
= *cupreus (Carabus clathratus, syn.)* SCHILSKY 1888
= *multipunctatus (Carabus clathratus, syn.)* KRAATZ 1890
= *aeratus (Carabus clathratus, syn.)* CULOT 1986
ssp. ***foveolatoseriatus (Carabus clathratus, ssp.)*** REITTER 1896 [non FISCHER von WALDHEIM 1823] ------------NOP-R-TUV----
= *eversmanni (Carabus clathratus, syn.)* MOTSCHULSKY 1846
= *jansoni (Carabus clathratus, syn.)* auct. [non KRAATZ 1890][162]
= *borealis (Carabus clathratus, syn.)* BORN 1908
= *boreus (Carabus clathratus, syn.)* CSIKI 1927 [nom. pro *borealis* BORN 1908]
ssp. ***stygius (Carabus clathratus, ssp.)*** GANGLBAUER 1890 ----EFGH----------------
ssp. ***auraniensis (Carabus clathratus, ssp.)*** J.MÜLLER 1902 ---------------P----------
= *laccophilus (Carabus clathratus, syn.)* REITTER 1899
= *epirensis (Carabus clathratus, syn.)* PURKYNIE 1928
ssp. ***maacki (Carabus clathratus, ssp.)*** A.MORAWITZ 1862 ---------------------V--Y- Vd
= *aquatilis (Carabus clathratus, syn.)* H.BATES 1883
= *viridipunctus (Carabus clathratus, syn.)* KRAATZ 1886

Subgenus ***Homoeocarabus*** REITTER 1896

Type species: *Carabus maeander* FISCHER von WALDHEIM 1822

77 ***maeander (Carabus)*** FISCHER von WALDHEIM 1822 ------------N-----TUVWXYZ
ssp. ***maeander (Carabus maeander, ssp.)*** FISCHER von WALDHEIM 1822 ------------N-----TUVWXY-
= *incompletus (Carabus maeander, syn.)* FISCHER von WALDHEIM 1827
= *ehrenbergi (Carabus maeander, syn.)* FISCHER von WALDHEIM 1829
= *hudsonicus (Carabus maeander, syn.)* MOTSCHULSKY 1865
= *simoni (Carabus maeander, syn.)* HEYDEN 1879
= *obscuratus (Carabus maeander, syn.)* GÉHIN 1885
= *excatenatus (Carabus maeander, syn.)* KRAATZ 1880
= *excostatus (Carabus maeander, syn.)* KRAATZ 1880
= *obscuratus (Carabus maeander, syn.)* GÉHIN 1885
= *lecontei (Carabus maeander, syn.)* GÉHIN 1885
= *mongolicus (Carabus maeander, syn.)* LAPOUGE 1905
ssp. ***paludis (Carabus maeander, ssp.)*** GÉHIN 1885 -------------------------Z
= *palustris (Carabus maeander, syn.)* DEJEAN 1829
= *batesi (Carabus maeander, syn.)* LAPOUGE 1916
= *fureioensis (Carabus maeander, syn.)* KANO 1922

Subgenus ***Hemicarabus*** GÉHIN 1885

Type species: *Carabus nitens* LINNAEUS 1758

78 ***macleayi (Carabus)*** DEJEAN 1826 -------------------UVWXYZ
= *splendidulus (Carabus)* SEMENOV 1888
= *coreensis (Carabus)* BREUNING 1932

79 ***nitens (Carabus)*** LINNAEUS 1758 -BC-------KL--------U-----
= *aureus (Carabus)* DE GEER 1774
= *marginatus (Carabus)* VOET 1778
= *hookeri (Carabus)* NODIER 1821
= *pulchellus (Carabus)* BRÜGGEMANN 1873
= *humerosus (Carabus)* LAPOUGE 1902
var. *aureomicans (Carabus nitens, var.)* LETZNER 1850
var. *virescens (Carabus nitens, var.)* LETZNER 1850
var. *cupreus (Carabus nitens, var.)* WESTHOFF 1881
= *subnitens (Carabus nitens, syn.)* REITTER 1896
var. *interruptus (Carabus nitens, var.)* WESTHOFF 1881
= *fennicus (Carabus nitens, syn.)* GÉHIN 1885
var. *niger (Carabus nitens, var.)* SEMENOV 1886
= *funebris (Carabus nitens, syn.)* CSIKI 1927 [nom. pro *niger* SEMENOV 1886]

80 ***tuberculosus (Carabus)*** DEJEAN 1829 ------------N---R-TUV--YZ TabUc
= *tuberculatus (Carabus)* FISCHER von WALDHEIM 1827
= *strophius (Carabus)* FISCHER von WALDHEIM 1844
= *granosus (Carabus)* CHAUDOIR 1844
= *etholeni (Carabus)* MANNERHEIM 1849
= *marginicollis (Carabus)* KRAATZ 1886

Subgenus ***Aulonocarabus*** REITTER 1896

Type species: *Carabus canaliculatus* ADAMS 1812

81 ***canaliculatus (Carabus)*** ADAMS 1812 ----------K--------TUVW-YZ
ssp. ***canaliculatus (Carabus canaliculatus, ssp.)*** ADAMS 1812 ----------K--------TUVW-Y- Ka
= *cancelliculatus (Carabus canaliculatus, syn.)* LAPOUGE 1910
= *costatus (Carabus canaliculatus, syn.)* FISCHER von WALDHEIM 1827

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162 Originally, *C. clathratus jansoni* Kr. has been described from Scotland. A restudy of the types (kept in DEI) has revealed that morphologically the form differs considerably from the nominotypical subspecies, representing perhaps an insular isolate. The populations inhabiting Siberia and the Tian-Shan Mts are close to the nominotypical subspecies as well and, prior to the completion of a thorough revision, they seem to be best attributed to *C. clathratus foveolatoseriatus* Reitter (V. Shilenkov) .

= *brevior (Carabus canaliculatus, syn.)* POPPIUS 1907
= *penialis (Carabus canaliculatus, syn.)* LAPOUGE 1913
= *dacatrai (Carabus canaliculatus, syn.)* DEUVE 1992
= *rufipennis (Carabus canaliculatus, syn.)* LAPOUGE 1910
ssp. ***jankowskiellus (Carabus canaliculatus, ssp.)*** DEUVE 1992 ----------Y-
= *careniger (Carabus canaliculatus, syn.)* auct. [non CHAUDOIR 1863]
ssp. ***pirata (Carabus canaliculatus, ssp.)*** SEMENOV et ZNOJKO 1932 ----------Z Za
82 ***careniger (Carabus)*** CHAUDOIR 1863 ----------Y-
= *praedo (Carabus)* SEMENOV et ZNOJKO 1932
= *auctus (Carabus)* SEMENOV et ZNOJKO 1932
83 ***kurilensis (Carabus)*** LAPOUGE 1913 ----------YZ
ssp. ***kurilensis (Carabus kurilensis, ssp.)*** LAPOUGE 1913 ----------Z Zb
ssp. ***pseudodiamesus (Carabus kurilensis, ssp.)*** IVANOVS 1994 ----------Z Za
ssp. ***diamesus (Carabus kurilensis, ssp.)*** SEMENOV 1932 ----------Y- Yc
= *sachalinicus (Carabus kurilensis, syn.)* BREUNING 1932
84 ***sichotensis (Carabus)*** BORN 1914 ----------Y-
= *nicolaiensis (Carabus)* LAPOUGE 1921
85 ***gossarei (Carabus)*** HAURY 1879 ----------Y-
ssp. ***gossarei (Carabus gossarei, ssp.)*** HAURY 1879 ----------Y-
= *kulzeri (Carabus gossarei, syn.)* BREUNING 1932
ssp. ***vasjurini (Carabus gossarei, ssp.)*** LAFER 1989 ----------Y-
ssp. ***imanensis (Carabus gossarei, ssp.)*** LAFER 1989 ----------Y-
= *venustoides (Carabus gossarei, syn.)* DEUVE 1990 loc.typ. - Mt. Oblachnaya
86 ***reconditus (Carabus)*** IVANOVS 1993 ----------Y- Yb
87 ***gaschkewitchi (Carabus)*** MOTSCHULSKY 1859 ----------V--Y-
ssp. ***gaschkewitchi (Carabus gaschkewitchi, ssp.)*** MOTSCHULSKY 1859 ----------Y-
ssp. ***raddei (Carabus gaschkewitchi, ssp.)*** A.MORAWITZ 1862 ----------V----
88 ***kolymensis (Carabus)*** LAFER 1989 ----------W---
ssp. ***kolymensis (Carabus kolymensis, ssp.)*** LAFER 1989 ----------W---
= *parvicornis (Carabus kolymensis, syn.)* DEUVE 1990
= *magadanensis (Carabus kolymensis, syn.)* DEUVE et DOLIN 1991
ssp. ***viridicupreior (Carabus kolymensis, ssp.)*** DEUVE et MOURZINE 1993 ----------W---
= *seimczanensis (Carabus kolymensis, syn.)* OBYDOV 1993
89 ***mouthiezianus (Carabus)*** DEUVE 1991 ----------W---
= *vinokurovi (Carabus)* DEUVE et DOLIN 1991
= *tsybulskii (Carabus)* DEUVE et DOLIN 1991
90 ***truncaticollis (Carabus)*** ESCHSCHOLTZ 1833 -B--------K---------UVWXY-
ssp. ***truncaticollis (Carabus truncaticollis, ssp.)*** ESCHSCHOLTZ 1833[163] ----------X--
= *alaskensis (Carabus truncaticollis, syn.)* BASILEWSKY 1937
= *lutschnikianus (Carabus truncaticollis, syn.)* BASILEWSKY 1937
ssp. ***fleischeri (Carabus truncaticollis, ssp.)*** REITTER 1898 -B--------K---------UVWXY- BfKaUabVebYab
= *tristis (Carabus truncaticollis, syn.)* MOTSCHULSKY 1850
= *chaudoiri (Carabus truncaticollis, syn.)* J.SAHLBERG 1880
= *polaris (Carabus truncaticollis, syn.)* POPPIUS 1905
= *lenaensis (Carabus truncaticollis, syn.)* MANDL 1955
= *degeneratus (Carabus truncaticollis, syn.)* J.SAHLBERG 1885
= *sahlbergianus (Carabus truncaticollis, syn.)* GÉHIN 1885
= *rufocupreus (Carabus truncaticollis, syn.)* BEHEIM et BREUNING 1943
ssp. ***dorogostaiskianus (Carabus truncaticollis, ssp.)*** DEUVE et IMURA 1992[164] ----------V---- Ve
91 ***kabakovi (Carabus)*** LAFER 1989[165] ----------Y- Ya

Subgenus ***Leptocarabus*** GÉHIN 1885

Type species: *Carabus procerulus* CHAUDOIR 1862

= *Adelocarabus* REITTER 1896

Type species: *Carabus semiopacus* REITTER 1895

92 ***arboreus (Carabus)*** LEWIS 1882 ----------YZ YcZab

Subgenus ***Asthenocarabus*** LAPOUGE 1931

Type species: *Carabus opaculus* PUTZEYS 1875

93 ***opaculus (Carabus)*** PUTZEYS 1875 ----------Z Zab
= *kurosawai (Carabus)* BREUNING 1957

Subgenus ***Diocarabus*** REITTER 1896

Type species: *Carabus loschnikovi* FISCHER von WALDHEIM 1823

= *Allocarabus* LAPOUGE 1930

Type species: *Carabus aurocinctus* MOTSCHULSKY 1844

94 ***loschnikovi (Carabus)*** FISCHER von WALDHEIM 1823 -B--------K--------TUV---- BfKaTbcdefgUbcVa
95 ***slovtzovi (Carabus)*** MANNERHEIM 1849 ----------T-V----
ssp. ***slovtzovi (Carabus slovtzovi, ssp.)*** MANNERHEIM 1849 ----------T-V---- TfVa
= *angelinus (Carabus)* REITTER 1899
= *pusillus (Carabus)* LAPOUGE 1915
ssp. ***mugurensis (Carabus slovtzovi, ssp.)*** GOTTWALD 1993 ----------T------ Tg
ssp. ***tannuolensis (Carabus slovtzovi, ssp.)*** SHILENKOV in litt.
96 ***dorogostaiskii (Carabus)*** SHILENKOV 1983 ----------UV--Y- UbdVbYa
97 ***aurocinctus (Carabus)*** MOTSCHULSKY 1844 ----------UVWXY- UdVbeWbYabd
= *klugi (Carabus)* MANNERHEIM 1849
98 ***massagetus (Carabus)*** MOTSCHULSKY 1844 ----------TUV---- UcVa
= *altaicus (Carabus)* GEBLER 1847
= *lineolatus (Carabus)* A.MORAWITZ 1862
99 ***beybienkoi (Carabus)*** KRYZHANOVSKIJ 1973 ----------Z Za
ssp. ***beybienkoi (Carabus beybienkoi, ssp.)*** KRYZHANOVSKIJ 1973 ----------Z Za

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163 The nominotypical subspecies is known in the fauna of Russia only from a few old specimens (kept in ZISP) deriving from the Kamchatka Peninsula (V. Shilenkov) .

164 This subspecies has been described from a couple of entirely black specimens taken by W. I. Dorogostajsky from the high-montane regions of Stanovoi Mt. Range in the Amur Area (the upper reaches of Okonon River) . The morphological differences referred to in the original description fall within the variation range of the subspecies *fleischeri* Rtt. Uniform black populations are characteristic of highlands (e.g. the Charsky Mt. Range) , and individual melanisms occur in the populations inhabiting zonal tundras. Hence we face but a high-montane form (V. Shilenkov) .

165 Attribution of this species to the Subgenus *Aulonocarabus* requires confirmation (V. Shilenkov) .

ssp. ***medioinsularis (Carabus beybienkoi, ssp.)*** DEUVE 1991[166] ----------Z Za
100 ***fraterculus (Carabus)*** REITTER 1895 ----------Y- Yd
= *chinensis (Carabus)* LICHTENSTEIN 1992
= *gaixianensis (Carabus)* LICHTENSTEIN 1992

Subgenus ***Pachycarabus*** GÉHIN 1876

Type species: *Carabus staehlini* ADAMS 1817

= *Caucasocarabus* LAPOUGE 1931

Type species: *Carabus koenigi* GANGLBAUER 1886

101 ***imitator (Carabus)*** REITTER 1883 ------G---------- Ga23b3
ssp. ***imitator (Carabus imitator, ssp.)*** REITTER 1883 ------G---------- Ga2b3
ssp. ***katherinae (Carabus imitator, ssp.)*** REITTER 1896 ------G---------- Ga3
= *subkatherinae (Carabus)* LAPOUGE 1903
= *kodori (Carabus)* MORVAN 1970
102 ***koenigi (Carabus)*** GANGLBAUER 1886 ------G---------- Gab12
= *vincens (Carabus)* REITTER 1896
= *essoxensis (Carabus)* REITTER 1896
= *inaequalis (Carabus)* LAPOUGE 1903
= *abruptus (Carabus)* LAPOUGE 1903
103 ***roseri (Carabus)*** FALDERMANN 1835 -------H---------- Hb
= *sphodrinus (Carabus)* FISCHER von WALDHEIM 1844
104 ***staehlini (Carabus)*** ADAMS 1817[167] ------GH----------
ssp. ***staehlini (Carabus staehlini, ssp.)*** ADAMS 1817 ------GH---------- Gb2cHb: Caucasus Minor, to Mt.Meletskaro
ssp. ***rionicus (Carabus staehlini, ssp.)*** BELOUSOV 1992 ------G---------- Gb3: only Lechkhumi Mt.R.
105 ***swaneticus (Carabus)*** REITTER 1883 ------G----------
ssp. ***swaneticus (Carabus swaneticus, ssp.)*** REITTER 1883 ------G---------- Gb34: Svanetian & Egrissian Mt.R.
ssp. ***kvirensis (Carabus swaneticus, ssp.)*** BELOUSOV 1992 ------G---------- Gb4: W Megrelia: only karst of Mt.Khvira

Subgenus ***Orinocarabus*** KRAATZ 1878

Type species: *Carabus silvestris* PANZER 1793

= *Carpatophilus* REITTER 1896

Type species: *Carabus linnei* PANZER 1812

106 ***linnei (Carabus)*** PANZER 1812 A--D----------
= *bescidensis (Carabus)* REITTER 1896
= *angustatus (Carabus)* PANZER 1812
= *hopffgartenianus (Carabus)* BEUTHIN 1885
= *scopoli (Carabus)* DEJEAN 1826
= *cupreus (Carabus)* LETZNER 1850
= *versicolor (Carabus)* LETZNER 1850
= *cupreoaureus (Carabus)* LETZNER 1850
= *obscurus (Carabus)* LETZNER 1850
= *nigricornis (Carabus)* LETZNER 1850
= *brunneofemoratus (Carabus)* LETZNER 1850
= *ludovicus (Carabus)* DIETL 1896
= *quinquecostatus (Carabus)* PETRI 1912
107 ***silvestris (Carabus)*** PANZER 1793
ssp. ***transsylvanicus (Carabus silvestris, ssp.)*** DEJEAN 1826 A----------
= *polonicus (Carabus)* MOTSCHULSKY 1850
= *glacialis (Carabus silvestris, syn.)* MILLER 1859
= *milleri (Carabus silvestris, syn.)* THOMSON 1875
= *tatricus (Carabus silvestris, syn.)* REITTER 1896
= *ligneus (Carabus silvestris, syn.)* LAPOUGE 1907
= *caraimanicus (Carabus silvestris, syn.)* MARCU 1934
= *giumaleuensis (Carabus silvestris, syn.)* MARCU 1934

Subgenus ***Hadrocarabus*** THOMSON 1875

Type species: *Carabus latus* DEJEAN 1826

= *Mesocarabus* THOMSON 1875

Type species: *Carabus catenulatus* DUFTSCHMID 1812

108 ***problematicus (Carabus)*** HERBST 1786 -B---------- Bb: Kola Peninsula
= *catenulatus (Carabus)* DUFTSCHMID 1812
= *brisouti (Carabus)* FAUVEL 1863
= *marginatus (Carabus)* DALLA TORRE 1877
= *azurescens (Carabus)* DALLA TORRE 1877
= *nigrescens (Carabus)* DALLA TORRE 1877

Subgenus ***Oreocarabus*** GÉHIN 1876

Type species: *Carabus errans* GORY 1839 [= *C.amplipennis* LAPOUGE 1924]

= *Euporocarabus* REITTER 1896

Type species: *Carabus hortensis* LINNAEUS 1758

= *Phricocarabus* REITTER 1896

Type species: *Carabus glabratus* PAYKULL 1790

= *Piocarabus* REITTER 1896

Type species: *Carabus vladimirskyi* DEJEAN 1930

= *Cytilocarabus* REITTER 1896

Type species: *Carabus cribratus* QUENSEL 1806

109 ***glabratus (Carabus)*** PAYKULL 1790 ABCD------K----------
ssp. ***glabratus (Carabus glabratus, ssp.)*** PAYKULL 1790 --CD------K----------
= (*convexus (Carabus glabratus, syn.)* HERBST 1784) [non FABRICIUS 1775]
= *laevigatus (Carabus glabratus, syn.)* SCRIBA 1790
= *ater (Carabus glabratus, syn.)* LETZNER 1850
= *coerulescens (Carabus glabratus, syn.)* LETZNER 1850
= *virescens (Carabus glabratus, syn.)* LETZNER 1850

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166 Originally, this subspecies has been described from a series of small dark specimens originating from the montane regions of central Sakhalin. Apparently, we face only a high-montane form (V. Shilenkov) .

167 This is the only Caucasian *Pachycarabus* species occurring jointly together with other consubgeners, i.e. with *C. roseri* in the Meskhetian Mt. Range, with *C. koenigi* in North Ossetia. In both cases, it is ecologically restricted to higher and drier mountains (I. Belousov) .

= *punctatocostatus (Carabus glabratus, syn.)* HAURY 1885
= *liebleri (Carabus glabratus, syn.)* BIERIG 1918
ssp. ***lapponicus (Carabus glabratus, ssp.)*** BORN 1909 -B----------
ssp. ***extensus (Carabus glabratus, ssp.)*** KRAATZ 1885 A--D----------
= *angustatus (Carabus glabratus, syn.)* PETRI 1912
110 ***hortensis (Carabus)*** LINNAEUS 1758 ABCD----------
= *gemmatus (Carabus)* FABRICIUS 1781
= *striatus (Carabus)* DE GEER 1781
= *viridiaeneus (Carabus)* DALLA TORRE 1877
= *cupreoaureus (Carabus)* KRAATZ 1887
= *alternans (Carabus)* KRAATZ 1887
= *duerckianus (Carabus)* GANGLBAUER 1890
= *kelecsenui (Carabus)* LAPOUGE 1903
= *rhodopensis (Carabus)* APFELBECK 1904
= *sobotkaensis (Carabus)* SULC 1907
= *ostarensis (Carabus)* BORN 1912
= *pillichi (Carabus)* BERNAU 1914
111 ***cribratus (Carabus)*** QUENSEL 1806 ------GHI---------- Gb2c1HbcIa
ssp. ***cribratus (Carabus cribratus, ssp.)*** QUENSEL 1806 ------G----------
= *foveolatus (Carabus cribratus, syn.)* ADAMS 1817
= *scrobiculatus (Carabus cribratus, syn.)* FISCHER von WALDHEIM 1822
= *montisimeretiis (Carabus cribratus, syn.)* MANDL 1964
= *haramburеae (Carabus cribratus, syn.)* BREUNING et RUSPOLI 1974
ssp. ***orientalis (Carabus cribratus, ssp.)*** OSCULATI 1844 -------H----------
= *remotus (Carabus cribratus, syn.)* REITTER 1888
ssp. ***gemellatus (Carabus cribratus, ssp.)*** MÉNÉTRIÉS 1832 -------H----------
= *ingratus (Carabus cribratus, syn.)* LAPOUGE 1907
ssp. ***porrectangulus (Carabus cribratus, ssp.)*** GÉHIN 1885 -------H----------
112 ***vladimirskyi (Carabus)*** DEJEAN 1830 ----------T-V---- TgVcd

Subgenus ***Ulocarabus*** REITTER 1896

Type species: *Carabus stschurowskii* SOLSKY 1874

= *Bactrocarabus* SEMENOV 1927

Type species: *Carabus bokharensis* CSIKI 1927

113 ***stschurowskii (Carabus)*** SOLSKY 1874 ----------S-------
ssp. ***stschurowskii (Carabus stschurowskii, ssp.)*** SOLSKY 1874 ----------S------- Sc: mainly Hissar
= *sturowskyi (Carabus stschurowskii, syn.)* SOLSKY 1874 [incorr. emend.]
= *hissariensis (Carabus stschurowskii, syn.)* LAPOUGE 1925
ssp. ***lineellus (Carabus stschurowskii, ssp.)*** HAURY 1886 ----------S------- Sc: Karategin
114 ***theanus (Carabus)*** REITTER 1895 ----------S------- Sd: Darvaz & Khozratishoh
= *hauseri (Carabus)* LAPOUGE 1925
= *bokharensis (Carabus)* CSIKI 1927 [nom. pro *hauseri* LAPOUGE 1925]
= *hammeri (Carabus)* MANDL 1967
= *delerei (Carabus)* MANDL 1955
? *basilewskyi (Carabus theanus, syn.)* BREUNING 1966 ----------S------- S.Tajikistan

Subgenus ***Semnocarabus*** REITTER 1896

Type species: *Carabus regulus* DOHRN 1882

= *Anthracocarabus* LAPOUGE 1930

Type species: *Carabus erosus* MOTSCHULSKY 1865

= *Zoocarabus* REITTER 1896

Type species: *Carabus bogdanovi* BALLION 1878

115 ***erosus (Carabus)*** MOTSCHULSKY 1865[168] ----------R--------
ssp. ***erosus (Carabus erosus, ssp.)*** MOTSCHULSKY 1865 ----------R-------- Rbcd
= *carbonarius (Carabus erosus, syn.)* BALLION 1878
= *turkestanicus (Carabus erosus, syn.)* HEYDEN 1880
= *progrediens (Carabus erosus, syn.)* SEMENOV 1896
= *subregularis (Carabus erosus, syn.)* SEMENOV 1896
= *karagaicus (Carabus erosus, syn.)* LAPOUGE 1919
= *glaber (Carabus erosus, syn.)* LAPOUGE 1919
ssp. ***corax (Carabus erosus, ssp.)*** SEMENOV 1896 ----------R-------- Rb:W Zailiisky & Kunguei Alatoo Mt.r., Chu-Ili Mts
ssp. ***auliensis (Carabus erosus, ssp.)*** LAPOUGE 1916 ----------R-------- Rde: E Talassky Alatau, NW Fergansky Mt.R.
? *prosper (Carabus erosus, syn.)* LAPOUGE 1916
? *sussamyrensis (Carabus erosus, syn.)* BREUNING 1926
? *pseudoerosus (Carabus erosus, syn.)* MANDL 1955
? *vaucheri (Carabus erosus, syn.)* SEMENOV 1927
= *cicatricosulus (Carabus erosus, syn.)* LAPOUGE 1916 [non A.MORAWITZ 1886]
116 ***carbonicolor (Carabus)*** A.MORAWITZ 1886 ----------R-------- Rbcd
ssp. ***carbonicolor (Carabus carbonicolor, ssp.)*** A.MORAWITZ 1886 ----------R-------- Rbcd
= *coriaceus (Carabus carbonicolor, syn.)* GÉHIN 1885 [non LINNAEUS 1758]
= *denticulatus (Carabus carbonicolor, syn.)* LAPOUGE 1919
= *subcoriaceus (Carabus carbonicolor, syn.)* GÉHIN 1885
= *vestigalis (Carabus carbonicolor, syn.)* LAPOUGE 1919
ssp. ***korolkowi (Carabus carbonicolor, ssp.)*** SEMENOV 1896 ----------R-------- Rbd
= *morosus (Carabus carbonicolor, syn.)* LAPOUGE 1919
= *textus (Carabus carbonicolor, syn.)* LAPOUGE 1919
= *subcorax (Carabus carbonicolor, syn.)* SEMENOV 1896
= *auliensoides (Carabus carbonicolor, syn.)* MANDL 1955
ssp. ***callosus (Carabus carbonicolor, ssp.)*** SEMENOV 1896 ----------R-------- Rb: central part of Zailiisky Alatau Mt.R.
117 ***bogdanovi (Carabus)*** BALLION 1878 ----------R--------
ssp. ***bogdanovi (Carabus bogdanovi, ssp.)*** BALLION 1878 ----------R-------- Rb: env. Narynkol, Bayankol & Ulken-Kokpak
ssp. ***kuldshaensis (Carabus bogdanovi, ssp.)*** BALLION 1878 ----------R-------- Ra
= *borensis (Carabus bogdanovi, syn.)* LAPOUGE 1916
= *boroensis (Carabus bogdanovi, syn.)* auct.
118 ***regulus (Carabus)*** DOHRN 1882 ----------R-------- Rbcd
= *lutshniki (Carabus)* BREUNING 1933

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168 A revision of the *C. erosus*-group is currently in preparation, so the data referred to here are only provisional. The list largely contains the forms the identity of which is beyond doubt. The division into species is ultimate. *C. cicatricosulus* Mor. 1886, referred to by Deuve (1994) as a subspecies of *C. bogdanowi*, is actually a separate species (I. Kabak)

= *hauserianus (Carabus)* REITTER 1896
= *micrus (Carabus)* KOLBE [nom. nud.]
? *korschefskii (Carabus)* EIDAM 1931 ----------R--------
119 ***transiliensis (Carabus)*** SEMENOV 1896 ----------R-------- Rb:Kunguei Alatoo, Zailiisky Alatau and its W spurs

Subgenus ***Tomocarabus*** REITTER 1896

Type species: *Carabus convexus* FABRICIUS 1775

= *Callistocarabus* REITTER 1896

Type species: *Carabus marginalis* FABRICIUS 1794

= *Procrustides* SEMENOV 1905

Type species: *Carabus bessarabicus* FISCHER von WALDHEIM 1823

= *Eurycarabus* sensu BREUNING 1932 [non GÉHIN 1876]

Type species: *Carabus famini* DEJEAN 1826

120 ***convexus (Carabus)*** FABRICIUS 1775 ABCD--GHI---MN----------
ssp. ***convexus (Carabus convexus, ssp.)*** FABRICIUS 1775 ABCD--G-----MN----------
= *striolatus (Carabus convexus, syn.)* FISCHER von WALDHEIM 1823
= *aemulus (Carabus convexus, syn.)* FISCHER von WALDHEIM 1823
= *simplicipennis (Carabus convexus, syn.)* DEJEAN 1826
= *gibbus (Carabus convexus, syn.)* BRULLÉ 1835
= *violaceomarginatus (Carabus convexus, syn.)* LETZNER 1850
= *viridimarginatus (Carabus convexus, syn.)* LETZNER 1850
= *niger (Carabus convexus, syn.)* LETZNER 1850
= *oblongus (Carabus convexus, syn.)* MOTSCHULSKY 1865
= *coerulemarginatus (Carabus convexus, syn.)* DALLA TORRE 1877
= *merklii (Carabus convexus, syn.)* HOPFFGARTEN 1878
= *borealis (Carabus convexus, syn.)* GÉHIN 1885 [non BORN 1908]
= *pyrenaeicus (Carabus convexus, syn.)* BORN 1907
= *barnauliensis (Carabus convexus, syn.)* BORN 1922
= *antipai (Carabus convexus, syn.)* PANIN 1942
= *bucciarelli (Carabus convexus, syn.)* MANDL 1966
= *confusus (Carabus convexus, syn.)* TARRIER 1979
= *kiskunensis (Carabus convexus, syn.)* ADAM et MERKL 1986
ssp. ***rhinopterus (Carabus convexus, ssp.)*** HAMPE 1852 -------HI----------------- Iab
= *turcomannicus (Carabus convexus, syn.)* MOTSCHULSKY 1850
121 ***decolor (Carabus)*** FISCHER von WALDHEIM 1823 ------GH------------------ GaHb: on N macroslope to Uzhumsky Mt.R.
ssp. ***decolor (Carabus decolor, ssp.)*** FISCHER von WALDHEIM 1823 -------GH------------------
ssp. ***biseriatus (Carabus decolor, ssp.)*** CHAUDOIR 1846 ------G-------------------
= *marthae (Carabus decolor, syn.)* REITTER 1896
122 ***marginalis (Carabus)*** FABRICIUS 1794 --CD---------N------------
= *chrysochlorus (Carabus)* FISCHER von WALDHEIM 1812
= *decorus (Carabus)* SEIDLITZ 1891
123 ***bessarabicus (Carabus)*** FISCHER von WALDHEIM 1823 ---DEFG------NO-----------
ssp. ***bessarabicus (Carabus bessarabicus, ssp.)*** FISCHER von WALDHEIM 1823 ---DE----------------------
= *tauricus (Carabus bessarabicus, syn.)* ROESCHKE 1897
ssp. ***concretus (Carabus bessarabicus, ssp.)*** FISCHER von WALDHEIM 1823 -----FG------NO-----------
= *platyscelis (Carabus bessarabicus, syn.)* FISCHER von WALDHEIM 1827
= *melambaphus (Carabus bessarabicus, syn.)* FISCHER von WALDHEIM 1832
= *steppensis (Carabus bessarabicus, syn.)* MOTSCHULSKY 1846
124 ***scabripennis (Carabus)*** CHAUDOIR 1850 -------H------------------
= *reticulatus (Carabus)* HAMPE 1852
= *maljushencoensis (Carabus)* BREUNING 1967

Subgenus ***Scambocarabus*** REITTER 1896

Type species: *Carabus kruberi* FISCHER von WALDHEIM 1822

= *Eremocarabus* LAPOUGE 1931

Type species: *Carabus sculptipennis* CHAUDOIR 1877

125 ***kruberi (Carabus)*** FISCHER von WALDHEIM 1822 ----------TUV--Y-
ssp. ***kruberi (Carabus kruberi, ssp.)*** FISCHER von WALDHEIM 1822 ----------TUV---- TefgUbcd
= *irbutensis (Carabus kruberi, syn.)* BREUNING 1946
ssp. ***bungii (Carabus kruberi, ssp.)*** GEBLER 1830 ----------T------ Tbd
ssp. ***tuberatus (Carabus kruberi, ssp.)*** A.MORAWITZ 1862 ----------Y-
? *breviformis (Carabus)* CHAUDOIR 1863 ----------R-------- Dzhungar

Subgenus ***Pachystus*** MOTSCHULSKY 1865

Type species: *Carabus cribellatus* ADAMS 1822

= *Melancarabus* THOMSON 1875

Type species: *Carabus hungaricus* FABRICIUS 1877

126 ***tamsi (Carabus)*** MÉNÉTRIÉS 1832 ------G-I---------- Iac: E part; Gc: extreme S of Daghestan
127 ***hungaricus (Carabus)*** FABRICIUS 1792 ---DEFG----------
= *viennensis (Carabus)* KRAATZ 1877
= *frivaldskyanus (Carabus)* BREUNING 1932
ssp. ***gastridulus (Carabus hungaricus, ssp.)*** FISCHER von WALDHEIM 1823 ----E----------
= *maritimus (Carabus hungaricus, syn.)* MOTSCHULSKY 1850
= *maeotis (Carabus hungaricus, syn.)* FISCHER von WALDHEIM 1823
ssp. ***mingens (Carabus hungaricus, ssp.)*** QUENSEL 1806 -----FG---------- N macroslope of Caucasus Major
= *vomax (Carabus hungaricus, syn.)* DEJEAN 1826
ssp. ***scythus (Carabus hungaricus, ssp.)*** MOTSCHULSKY 1847 ---D----------
128 ***cribellatus (Carabus)*** ADAMS 1812 ----------K-MNO----TU----- Kb
= *perforatus (Carabus)* FISCHER von WALDHEIM 1822
= *thoracicus (Carabus)* GERMAR 1824
= *variolaris (Carabus)* MÉNÉTRIÉS 1849

Subgenus ***Hygrocarabus*** THOMSON 1875

Type species: *Carabus variolosus* FABRICIUS 1787

129 ***variolosus (Carabus)*** FABRICIUS 1787 A--D---------- Dab
= *costulifer (Carabus)* FLEISCHER 1898
= *weigeli (Carabus)* FLEISCHER 1898

Subgenus ***Chaetocarabus*** THOMSON 1875

Type species: *Carabus intricatus* LINNAEUS 1761

130 ***intricatus (Carabus)*** LINNAEUS 1761 A-CD----------
= *cyaneus (Carabus)* FABRICIUS 1781
= *giganteus (Carabus)* HEER 1837
= *gigas (Carabus)* HEER 1841
= *bicolor (Carabus)* LETZNER 1850
= *violaceus (Carabus)* LETZNER 1850
= *tricolor (Carabus)* LETZNER 1850
= *cyanescens (Carabus)* LETZNER 1850
= *versicolor (Carabus)* LETZNER 1850
= *virescens (Carabus)* LETZNER 1850
= *montenegrinus (Carabus)* KRAATZ 1876
= *obscurus (Carabus)* DALLA TORRE 1877
= *angustulus (Carabus)* HAURY 1878
= *chlorizans (Carabus)* DALLA TORRE 1879
= *koadeni (Carabus)* SCHAUFUSS 1880
= *bohemicus (Carabus)* HAURY 1881
= *liburnicus (Carabus)* HAURY 1881
= *laticollis (Carabus)* ROESCHKE 1896
= *germanicus (Carabus)* SEMENOV 1898
= *neustrinus (Carabus)* LAPOUGE 1900
= *aurulentus (Carabus)* LAPOUGE 1902
= *ulcerosus (Carabus)* LAPOUGE 1902
= *roeschkianus (Carabus)* SEMENOV 1906
= *eurynotus (Carabus)* LAPOUGE 1913
= *siegwarti (Carabus)* BORN 1914
= *exemtus (Carabus)* KOLBE 1917
= *paniscus (Carabus)* KOLBE 1917
= *petax (Carabus)* KOLBE 1917
= *bosniensis (Carabus)* BORN 1918
= *chionobatus (Carabus)* BORN 1918
= *carnicus (Carabus)* DEPOLI 1926
= *bucovinensis (Carabus)* MARCU 1934
= *marchali (Carabus)* RAYNAUD 1971

Subgenus ***Platycarabus*** A.MORAWITZ 1886

Type species: *Carabus depressus* FABRICIUS 1801

= *Pseudocechenus* A.MORAWITZ 1886

Type species: *Carabus irregularis* FABRICIUS 1792

= *Baudiicarabus* GANGLBAUER 1909

Type species: *Carabus cychroides* BAUDI 1860

131 ***fabricii (Carabus)*** PANZER 1812
= *bugnionii (Carabus)* CHAUDOIR 1837
= *virens (Carabus)* SCHILSKY 1888
= *pehri (Carabus)* LAPOUGE 1913
= *ukrainicus (Carabus)* LAZORKO 1951
= *heeri (Carabus)* GERMAR 1824
= *polonicus (Carabus)* SCHAUM 1856
= *linderi (Carabus)* TOURNIER 1860
= *polonensis (Carabus)* GÉHIN 1876
= *nigrinus (Carabus)* SCHILSKY 1888
= *heerianus (Carabus)* BORN 1916
= *praeglacialis (Carabus)* MANDL 1981
ssp. ***malachiticus (Carabus fabricii, ssp.)*** THOMSON 1875 A---------- Aa
= *fassatii (Carabus)* SMETANA 1956

132 ***irregularis (Carabus)*** FABRICIUS 1792 A---------- Aab
= *regularis (Carabus)* FISCHER von WALDHEIM 1823
= *sculptus (Carabus)* HEER 1837
= *virescens (Carabus)* LETZNER 1850
= *versicolor (Carabus)* LETZNER 1850
= *cephalothes (Carabus)* SOKOLAR 1909
= *schefferi (Carabus)* BORN 1911
= *jurassicus (Carabus)* BORN 1911
= *reitteri (Carabus)* APFELBECK 1919
= *bitschnaui (Carabus)* BORN 1926
= *montandoni (Carabus irregularis, syn.)* BUYSS 1882
= *peronae (Carabus)* HOPFFGARTEN 1885
= *brunnipes (Carabus)* BEUTHIN 1885
= *brostenensis (Carabus)* JACQUET 1886
= *narosnyi (Carabus)* CSIKI 1942
= *minutulus (Carabus)* MANDL 1955

Subgenus ***Panthophyrtus*** THIEME 1881

Type species: *Carabus turcomanorum* THIEME 1881

133 ***alajensis (Carabus)*** SEMENOV 1896 ----------S------- Sa: Alai
= *punctatostriatus (Carabus)* HEYDEN 1888

134 ***turcomanorum (Carabus)*** THIEME 1881 ----------RS-------
ssp. ***turcomanorum (Carabus turcomanorum, ssp.)*** THIEME 1881 ----------R-------- Rbe: Kirghizsky, NW Fergansky; Rd: E of Naryntoo Mt.R.
= *tanypedilus (Carabus turcomanorum, syn.)* A.MORAWITZ 1886
ssp. ***karaalmicus (Carabus turcomanorum, ssp.)*** GOTTWALD 1994 ----------RS------- Re: Fergansky Mt.R. (excl. NW) : Sa: Alai Mt.R.
= *juglandetorum (Carabus turcomanorum, syn.)* KRYZHANOVSKIJ [nom. nud.]
= *turcomanorum (Carabus turcomanorum, syn.)* KRYZHANOVSKIJ 1953 [non THIEME 1881]
ssp. ***exdebilis (Carabus turcomanorum, ssp.)*** GOTTWALD 1994 ----------R-------- Re: patria dubia

135 ***debilis (Carabus)*** SEMENOV 1896 ----------S------- Sa: Alai

136 ***brachypedilus (Carabus)*** A.MORAWITZ 1886 ----------R-------- Re
ssp. ***brachypedilus (Carabus brachypedilus, ssp.)*** A.MORAWITZ 1886 ----------R-------- Re
ssp. ***absentivus (Carabus brachypedilus, ssp.)*** BELOUSOV et KABAK 1993 ----------R-------- Re: Atoinoksky & NE Fergansky Mt.r.

137 ***longipedatus (Carabus)*** BELOUSOV et KABAK 1993[169] ----------R-------- Re
= *debilis (Carabus)* GOTTWALD 1994 [non SEMENOV 1896]

Subgenus ***Megodontus*** SOLIER 1848
Type species: *Carabus caelatus* FABRICIUS 1801
= *Proteocarabus* GÉHIN 1876
Type species: *Carabus violaceus* LINNAEUS 1758
= *Aulacocarabus* GÉHIN 1876
Type species: *Carabus septencarinatus* MOTSCHULSKY 1840
= *Nabicarabus* KWON et LEE 1983
Type species: *Carabus vietinghoffi* ADAMS 1812

138 ***vietinghoffi (Carabus)*** ADAMS 1812 ----------K----------VWXYZ
ssp. ***vietinghoffi (Carabus vietinghoffi, ssp.)*** ADAMS 1812 ----------K----------VWX-- Ka1
= *impunctatus (Carabus vietinghoffi, syn.)* KRAATZ 1886
= *schtschegolewi (Carabus vietinghoffi, syn.)* POPPIUS 1906
= *deminutus (Carabus vietinghoffi, syn.)* BREUNING 1943
? *inhumeratus (Carabus vietinghoffi, syn.)* BREUNING 1964
ssp. ***fulgidus (Carabus vietinghoffi, ssp.)*** FISCHER von WALDHEIM 1827 ----------TUV--YZ
ssp. ***bowringi (Carabus vietinghoffi, ssp.)*** CHAUDOIR 1863 ----------Y-
= *caesareus (Carabus vietinghoffi, syn.)* SEMENOV 1906
= *borealis (Carabus vietinghoffi, syn.)* KWON et LEE 1984 [non GÉHIN 1885]
= *vietinghoffianus (Carabus vietinghoffi, syn.)* SEMENOV 1907
= *nobilis (Carabus vietinghoffi, syn.)* GÉHIN 1886
= *schaumi (Carabus vietinghoffi, syn.)* A.MORAWITZ 1862
= *moltrechti (Carabus vietinghoffi, syn.)* SEMENOV 1907
139 ***violaceus (Carabus)*** LINNAEUS 1758 ABCD----------
ssp. ***ottonis (Carabus violaceus, ssp.)*** CSIKI 1909 -B---------- Bc ?Bb
= *lindbergi (Carabus violaceus, syn.)* BURKARD 1921
= *carelicus (Carabus violaceus, syn.)* HELLÉN 1934
= *pseudoarcticus (Carabus violaceus, syn.)* MANDL 1962
= *pseudolindbergi (Carabus violaceus, syn.)* MANDL 1962
= *pseudottonis (Carabus violaceus, syn.)* MANDL 1962
= *intermarinus (Carabus violaceus, syn.)* STARVE et BLUMENTHAL 1985
= *arcticus (Carabus violaceus, syn.)* SPARRE-SCHNEIDER 1888
= *lindothi (Carabus violaceus, syn.)* SILFVERBERG 1977
ssp. ***andrzejuscii (Carabus violaceus, ssp.)*** FISCHER von WALDHEIM 1823 A----------
= *andrejuscii (Carabus violaceus, syn.)* auct.
= *betulae (Carabus violaceus, syn.)* CSIKI 1940
= *vascanus (Carabus violaceus, syn.)* BORN 1909
= *subpolitus (Carabus violaceus, syn.)* EIDAM 1927
= *carbonarius (Carabus violaceus, syn.)* SCHAUFUSS 1882
ssp. ***wolffi (Carabus violaceus, ssp.)*** DEJEAN 1826 -BCD---------- Ba ?Da
= *candisatus (Carabus violaceus, syn.)* HORMUSACHI 1903
= *alterviolaceus (Carabus violaceus, syn.)* KOLBE 1925
= *mehelyi (Carabus violaceus, syn.)* GANGLBAUER 1896
= *dacoromanus (Carabus violaceus, syn.)* HORMUSACHI 1903
= *maculentus (Carabus violaceus, syn.)* PETRI 1912
= *lucudulus (Carabus violaceus, syn.)* BREUNING 1935
140 ***aurolimbatus (Carabus)*** DEJEAN 1929 ---DE-G------NO---------- Ga3b1
= *eversmanni (Carabus)* FISCHER von WALDHEIM 1832
= *castaneipennis (Carabus)* MÉNÉTRIÉS 1832
141 ***stroganowi (Carabus)*** ZOUBKOFF 1837 --------I----------
= *transcurrens (Carabus stroganowi, syn.)* CSIKI 1927
= *transfuga (Carabus stroganowi, syn.)* SEMENOV 1898
142 ***gyllenhali (Carabus)*** FISCHER von WALDHEIM 1827 ----E----------
= *dejeani (Carabus)* FISCHER von WALDHEIM 1823
= *blakistoni (Carabus)* NEWMAN 1857
143 ***exaratus (Carabus)*** QUENSEL 1806 -----FG----------
= *seriatus (Carabus)* MOTSCHULSKY 1850
= *milticostis (Carabus)* REITTER 1888
= *septemlineatus (Carabus)* REITTER 1888
= *subexaratus (Carabus)* REITTER 1889
= *lebedewi (Carabus)* LUTSHNIK 1927
= *ordinatus (Carabus)* CSIKI 1927
= *exaratulus (Carabus)* BEHEIM et BREUNING 1943
var. *prahwei (Carabus exaratus, var.)* LUTSHNIK 1909 ------G----------
144 ***septemcarinatus (Carabus)*** MOTSCHULSKY 1840 ------GHI----------
= *carinatus (Carabus)* MOTSCHULSKY 1839
= *typhonius (Carabus)* GISTEL 1857
= *georgicus (Carabus)* GÉHIN 1885
= *fischtensis (Carabus)* REITTER 1888
= *trigitoduosulcatus (Carabus)* LAPOUGE 1898
= *altitudinum (Carabus)* BREUNING 1934

Subgenus ***Ainocarabus*** MANDL 1973
Type species: *Carabus aino* ROST 1908

145 ***kolbei (Carabus)*** ROESCHKE 1897
ssp. ***chishimanus (Carabus kolbei, ssp.)*** NAKANE 1955 ----------Z Zb: Iturup Isl.
ssp. ***aino (Carabus kolbei, ssp.)*** ROST 1908 ----------Z Zb: Kunashir Isl.
= *nitidipunctatus (Carabus kolbei, syn.)* ISHIKAWA 1966
= *yubariensis (Carabus kolbei, syn.)* ISHIKAWA 1966
146 ***avinovi (Carabus)*** SEMENOV 1932 ----------Z Za

Subgenus ***Pachycranion*** SOLIER 1848
Type species: *Carabus schoenherri* FISCHER von WALDHEIM 1822
= *Pachycranius* THOMSON 1875
Type species: *Carabus schoenherri* FISCHER von WALDHEIM 1822

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169 In his catalogue, Deuve (1994) refers to this taxon as a subspecies of *C. turcomanorum* Thieme, putting forth no arguments in support of that decision. Judged from the material at hand, including specimens from the SE part of the range of *C. longipedatus*, there are no individuals transitional toward *C. turcomanorum*. The borderline between both species lies along Naryn River (I. Kabak) .

147 ***imperialis (Carabus)*** FISCHER von WALDHEIM 1823 ----------T------ Tb
148 ***schoenherri (Carabus)*** FISCHER von WALDHEIM 1822 -BC-------KLMN-----TUV---- BcCcVa
ssp. ***schoenherri (Carabus schoenherri, ssp.)*** FISCHER von WALDHEIM 1822 -BC-------KLMN-----TUV----
= *melanchlorus (Carabus schoenherri, syn.)* FISCHER von WALDHEIM 1827
= *gouberti (Carabus schoenherri, syn.)* GÉHIN 1885
= *legorskyi (Carabus schoenherri, syn.)* MANDL 1968
= *chakassikus (Carabus schoenherri, syn.)* OBYDOV 1995 **Syn. nov.**[170]
ssp. ***sajanus (Carabus schoenherri, ssp.)*** BREUNING 1927 ----------T------ Te: W Sayan: Kasyr Suk, Borus Mt.R.

Subgenus ***Carabulus*** LUTSHNIK 1924

Type species: *Carabus amoenus* CHAUDOIR 1852

149 ***leachi (Carabus)*** FISCHER von WALDHEIM 1823 ----------T------ Tbd
ssp. ***leachi (Carabus leachi, ssp.)*** FISCHER von WALDHEIM 1823 ----------T------ Td
ssp. ***panzeri (Carabus leachi, ssp.)*** DEJEAN 1829 ----------T------ Tb
150 ***tuvensis (Carabus)*** SHILENKOV in litt. ----------T------ Tg
151 ***obovatus (Carabus)*** FISCHER von WALDHEIM 1827 ----------T------
= *obovalis (Carabus)* GEBLER 1830
= *danilevskii (Carabus)* OBYDOV 1993 **Syn. nov.** Te
= *viridicans (Carabus)* OBYDOV 1993 **Syn. nov.**[171] Te
152 ***ermaki (Carabus)*** LUTSHNIK 1924 -B--------KL-------TU----- BfKaTef
= *amoenus (Carabus)* CHAUDOIR 1852
= *kantaikensis (Carabus)* GÉHIN 1885

Subgenus ***Chrysocarabus*** THOMSON 1875

Type species: *Carabus auronitens* FABRICIUS 1792

153 ***auronitens (Carabus)*** FABRICIUS 1792
ssp. ***escheri (Carabus auronitens, ssp.)*** PALLIARDI 1825 A------------------------
= *fussi (Carabus auronitens, syn.)* PALLIARDI 1825
= *opacus (Carabus auronitens, syn.)* HAURY 1878
= *rugosipennis (Carabus auronitens, syn.)* GÉHIN 1882
= *fussi (Carabus auronitens, syn.)* BIRTHLER 1886
= *laevipennis (Carabus auronitens, syn.)* SEIDLITZ 1891
= *istratii (Carabus auronitens, syn.)* HORMUSACHI 1901
= *laetus (Carabus auronitens, syn.)* LAPOUGE 1902
= *funestus (Carabus auronitens, syn.)* CSIKI 1905
= *decebali (Carabus auronitens, syn.)* MALLASZ 1929
= *interruptocostatus (Carabus auronitens, syn.)* MARCU 1934
= *palustris (Carabus auronitens, syn.)* NIEDL 1946
= *pseudoputzeysi (Carabus auronitens, syn.)* BREUNING 1947
= *cyaneipennis (Carabus auronitens, syn.)* BREUNING 1947
= *diffusus (Carabus auronitens, syn.)* NIEDL 1948
= *havelkai (Carabus auronitens, syn.)* NIEDL 1948
= *carpaticus (Carabus auronitens, syn.)* NIEDL 1948
= *napravniki (Carabus auronitens, syn.)* NIEDL 1948
= *contortus (Carabus auronitens, syn.)* NIEDL 1948
= *kulti (Carabus auronitens, syn.)* NIEDL 1948
= *latissimus (Carabus auronitens, syn.)* NIEDL 1948
= *punctatus (Carabus auronitens, syn.)* NIEDL 1948
= *beskydicus (Carabus auronitens, syn.)* SMETANA 1949
= *mandli (Carabus auronitens, syn.)* NIEDL 1960
= *takacsii (Carabus auronitens, syn.)* VICOL 1987
= *viridis (Carabus auronitens, syn.)* VICOL 1987

Subgenus ***Acoptolabrus*** A.MORAWITZ 1886

Type species: *Carabus schrenckii* MOTSCHULSKY 1860

= *Koreacoptolabrus* KWON et LEE 1989

Type species: *Carabus constricticollis* KRAATZ 1886

= *Neodamaster* NAKAJIMA 1993

Type species: *Carabus lamui* NAKAJIMA 1993

154 ***constricticollis (Carabus)*** KRAATZ 1886 ----------Y-
= (*grallatorius (Carabus)* ROESCHKE 1927)
= *latioricollis (Carabus)* MANDL 1954
= *jilinicus (Carabus)* DEUVE 1992
= *jilinensis (Carabus)* LICHTENSTEIN 1992
155 ***schrenckii (Carabus)*** MOTSCHULSKY 1860 ----------Y-
ssp. ***schrenckii (Carabus schrenckii, ssp.)*** MOTSCHULSKY 1860 ----------Y- loc.typ.: Seishin
= *reductus (Carabus schrenckii, syn.)* G.HAUSER 1921
= *pyrrhophorus (Carabus schrenckii, syn.)* G.HAUSER 1921
= *fastuosior (Carabus schrenckii, syn.)* DEUVE 1990 Transbaicalien
ssp. ***hauryi (Carabus schrenckii, ssp.)*** GÉHIN 1885 ----------Y- Rimskiy-Korsakov Archipelago
156 ***lopatini (Carabus)*** A.MORAWITZ 1886 ----------Z Za

Subgenus ***Sphodristocarabus*** GÉHIN 1885[172]

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170 Described as a subspecies based on an abundant material (over 100 individuals) deriving from the forested areas of Khakassia. The characters mentioned in the original description (i.e. the less coarsely and densely punctured head and pronotum, coloration and structure of the mentum) lie fully within the variation range of the *C. schoencherri* populations inhabiting the SE part of European Russia and the plain territories of the northern Altais. The paratypes restudied (Coll. M. Danilewsky) appear highly variable in both the shape of the tooth on the mentum and punctuation of the upperside. Uniform blue or violet specimens had been known long before Breuning (1935: 1205) , having never been allotted even the rank of a variety. It seems that Obydov's description erred in treating the color abberation *melanchlorus* Fisch. and comparing the new form with the subspecies *sajanus* instead of the nominotypical one (K. Makarov) .

171 Originally, both species, *C. danilevskii* and *C. viridicans*, have been described by Obydov from the mountains in the environs of the village Cheremushki from both banks of Yenisei River. Subsequent collections have revealed that both are sympatric and actually represent the extremes of a single variation range. A thorough morphological investigation has unravelled high-degree variability in the lamella of the aedeagus and failed to trace the differences noted in the original description. At the same time, the structure of the endophallus in *C. danilevskii*, *C. viridicans* and *C. obovatus* has proved to be the same. Hence the following synonymy is established here: *C. obovatus* Fisch. 1827 = *C. danilevskii* Obydov 1993 = *C. viridicans* Obydov 1993. The presence of a population with such strongly variable and, to a considerable extent, transitional characters at the border between the ranges of *C. obovatus* Fisch. and *C. ermaki* Lutsh. 1924 allows to suggest the latter taxon's subspecific rank. Yet the question requires further studies (K. Makarov) .

172 The systematics of the Caucasian *Sphodristocarabus* is highly complex and has repeatedly been discussed in the literature. While the independence of two species, *C. bohemanni* and *C. sovitzi* is usually unquestioned, various viewpoints exist about the status of the other taxa. One position, best expressed by Breuning (1934) , tends to regard the remaining taxa as geographical races of a single polymorphous species. The opposite trend, with some modifications from author to author, has become established since the works of Mandl (1975) , with up to five separate species accepted in the Caucasus alone, i.e. *C. adamsi*, *C. hollbergi*, *C. varians*, *C. janthinus*, and *C. alagoensoides*. The latter

Type species: *Carabus adamsi* ADAMS 1834

= *Sphodristus* THOMSON 1875

Type species: *Carabus varians* FISCHER von WALDHEIM 1823

157	***armeniacus (Carabus)*** MANNERHEIM 1830[173]	------GHI----------	Ga13b23HabIa
	ssp. ***armeniacus (Carabus armeniacus, ssp.)*** MANNERHEIM 1830[174]	------GH----------	Gb234Hab
	= *fulminas (Carabus armeniacus, syn.)* KRAATZ 1877		
	= *incatenatus (Carabus armeniacus, syn.)* MANNERHEIM 1830		
	= *mutabilis (Carabus armeniacus, syn.)* GÉHIN 1885		
	= *voriseki (Carabus armeniacus, syn.)* NOVOTNY 1975		
	f. *pseudoarmeniacus (Carabus armeniacus, f.)* BREUNING 1934	-------H----------	Hb: mountains at moderate elevations
	f. *korbianus (Carabus armeniacus, f.)* GANGLBAUER 1887	-------H----------	Hb: mainly western slopes at lower elevations
	f. *subincatenatus (Carabus armeniacus, f.)* KRAATZ 1878	-------H----------	Hb
	f. *laevilineatus (Carabus armeniacus, f.)* GANGLBAUER 1887	------GH----------	Gb4Ha: often on plains
	f. *repletus (Carabus armeniacus, f.)* REITTER 1884	------G----------	Gb2: lower Svanetia, Egrissian Mt.R.
	ssp. ***scintillus (Carabus armeniacus, ssp.)*** REITTER 1884[175]	------G----------	Gb3: high mountains of Svanetia
	f. *decoloratus (Carabus armeniacus, f.)* REITTER 1884	------G----------	Gb2
	ssp. ***varians (Carabus armeniacus, ssp.)*** FISCHER von WALDHEIM 1823[176]	-------H----------	Hc
	f. *sieversi (Carabus armeniacus, f.)* GANGLBAUER 1887	-------H----------	N part of Hc, described from Manglisi
	f. *praevarians (Carabus armeniacus, f.)* MANDL 1975	-------H----------	C part of Hc
	f. *somcheticus (Carabus armeniacus, f.)* MANDL 1975	-------H----------	S part of Hc
	ssp. ***alagoensoides (Carabus armeniacus, ssp.)*** MANDL 1955[177]	--------I----------	Ia: Alaguez
	ssp. ***janthinus (Carabus armeniacus, ssp.)*** GANGLBAUER 1887[178]	------G----------	Ga13 in the E to the basin of Gumista Riv.
	f. *ciscaucasicus (Carabus armeniacus, f.)* MANDL 1975	------G----------	Ga1
	f. *manfredschmidi (Carabus armeniacus, f.)* MANDL 1975	------G----------	Ga3
	f. *dvorshaki (Carabus armeniacus, f.)* MANDL 1975	------G----------	Ga3: western Abkhazia
	ssp. ***rugatus (Carabus armeniacus, ssp.)*** BREUNING 1934[179]	------G----------	Ga3: E Abkhazia from basin of Gumista R. to Inguri
	f. *novotnyorum (Carabus armeniacus, f.)* MANDL 1975	------G----------	Ga3: E Abkhazia
158	***adamsi (Carabus)*** ADAMS 1817[180]	------GHI----------	GbcHcI
	ssp. ***adamsi (Carabus adamsi, ssp.)*** ADAMS 1817[181]	------G----------	Gc1: mainly S macroslope, only nr Bogos on N slope
	= *chrysitis (Carabus adamsi, syn.)* MOTSCHULSKY 1839		
	= *thomsonianus (Carabus adamsi, syn.)* GÉHIN 1885		
	f. *eichwaldi (Carabus adamsi, f.)* FISCHER von WALDHEIM 1827	------G----------	Gc1b12
	f. *porphyrobaphes (Carabus adamsi, f.)* GANGLBAUER 1887	------G----------	Gc1b12
	f. *chiragricus (Carabus adamsi, f.)* FISCHER von WALDHEIM 1827	------G----------	Gb12: N Ossetia, Kabardino-Balkaria
	f. *adamsianus (Carabus adamsi, f.)* MANDL 1975	------G----------	Gc1b2

is often treated as a subspecies of either *armeniacus* (cf. Deuve, 1994) or *varians* (cf. Brezina, 1993) . In the latter paper, *armeniacus*, *janthinus* and *rugatus* are considered solely as subspecies; regrettably referred to *adamsi*, whereas the indeed closely related and vicariating *hollbergi* is believed to represent a separate species. Such a confusion as regards the Caucasian *Sphodristocarabus* makes it necessary to deal with the taxonomic relations in the group in further detail. In a special monograph, Mandl (1975) has thoroughly discussed the subspecific and infrasubspecific taxa, yet leaving the interspecific relations unanalyzed. It is not random, we find no well-defined between-species differences there. Attribution of a race to this or that species has been usually made as based solely on geographical grounds. For instance, such have been the attribution of *C. rugatus* to *C. janthinus*, not to *C. armeniacus*, the border between *varians* and *armeniacus*, etc. (Mandl, 1975, p.260) . The problem certainly roots in an extremely high-rate polymorphism of individual species. In general, several main patterns of variation in *Sphodristocarabus* species can be outlined: (1) the degree of coloration and lustre tends to grow in areas with a more humid climate. The brightest forms *laevilineatus*, *rugatus* and *korbianus* populate the most humid places of Adzharia, Abkhazia and Megrelia. In contrast, the most dull populations are known from arid regions of E Transcaucasia (*varians*, *somcheticus*) and E Caucasus Major (*hollbergi*) . Both the very bright nominate *adamsi*, confined to humid forests of Kakhetia, and *porphyrobaphes*, populating the N macroslope, neighbor the dull monochromous *sybcyaneus* in arid intermontane depressions of Ossetia. (2) The elytral macrosculpture shows a general tendency to heterodynamism increased with altitude. For example, this is observed in *laevilineatus*, populating the Rioni Plain, and the montane *repletus* and *scintillus*. (3) Along with elevation, the sizes somewhat decrease: *praevarians _ sieversi*, *laevilineatus _ scintillus* (the latter being the smallest race of *Sphodristocarabus*) as well as the above *adamsi _ subcyaneus*. Correlated variations in all above trends create a great diversity difficult to formalize and masking the genetic differences between the geographical races. Therefore, when comparing the extreme forms of a single species, it is difficult to believe that they are conspecific. For instance, *C. janthinus* and *C. armeniacus*, with the habitual differences between these two forms considerably exceeding the hardly expressed ones between e.g. *C. hollbergi* and *C. armeniacus varians*. Yet, considering both a complete series of intergradations and the lack of a gap in any character, we are forced to treat both as a single species. Indeed, the above pair is barely distinguishable at the level of the forms *C. armeniacus laevilineatus* and *C.janthinus rugatus* f. *novotnyorum*, their ranges coming into direct contacts too. In this case, like in the previous ones, geographical circumstances play a paramount role, that is, the presence of an obvious range limit in the Inguri River valley. According to our data, only four distinct species of this Subgenus occur in the Caucasus: (1) *armeniacus* with numerous subspecies, including *janthinus*; (2) *adamsi*, including *hollbergi*; (3) *bohemanni*, and (4) *sovitzi*. It is noteworthy that, with the exception of the disjunct and geographically isolated *bohemanni*, all other species as we see them display a degree of sympatry: *sovitzi* coexists with *armeniacus* races on the Adzharo-Imeretian Mt. Range, while *adamsi hollbergi* with *armeniacus varians* in E Transcaucasia from the Sevan Mt. Range to Zanguezur. All above species differ well by the shape of the aedeagus and the armament of the endophallus (I. Belousov) .

173 The most strongly polymorphous taxon among the Caucasian *Sphodristocarabus*, well-distinguishable by the shape of the aedeagus, more narrow and distally regularly curved aggonoporius with its peculiar structure. The species range covers the W Caucasus, the S macroslope of the central Caucasus and almost entire Transcaucasia, except for the extreme SE part. Isolated ecologically from the sympatric *sovitzi* in being mostly silvicolous, only scarcely occurring in the lower alpine belt (I. Belousov) .

174 The nominate subspecies is characterized by the copper coloration of the upperside, medium to larger size, slightly to modestly strongly heterodynamic microsculpture. The range covers the Rioni Plain and surrounding mountains (I. Belousov) .

175 The smallest and most slender form among the Caucasian *Sphodristocarabus* with a sharply heterodynamic sculpture (I. Belousov) .

176 A rather dull violet or copper, medium-sized race with a moderately strongly differentiated macrosculpture. The latter displays a clinal variation toward an increased heterodynamism and a transformation of primary intervals into rows of short tubercles up to the pattern characteristic of *alagoensoides* (I. Belousov) .

177 The subspecies is easy to identify due to the peculiar structure of the primary intervals represented by a chain of rounded grains. The schematic illustration of the aedeagus published by Mandl (1975, Taf. 7, Abb. 39) must have been based on an aberrant specimen. In any event, the material at hand corresponds fully to the description of *alagoensoides* and differs in no way by penial structure from the remaining forms of *armeniacus* (I. Belousov) .

178 By habitus, a sharply delimited subspecies with a uniform blue coloration and a pronotum strongly converging toward base and with explanate caudal corners. In the Gumista River basin, populations occur transitional toward *rugatus* both in shape and coloration (I. Belousov) .

179 Copper, often with greenish lustre, this subspecies is characterized by a more or less strongly heterodynamic macrosculpture. By its shape, it is annectent between *janthinus* and *armeniacus* (I. Belousov) .

180 A medium- to large-sized species separated into two good subspecies differing by coloration and macrosculpture. Differs securely from allied species by the enlarged and distally strongly curved aedeagus as well as by a peculiar armament of the endophallus. Populates the N macroslope of the central Caucasus, E Caucasus and SE Transcaucasia. In places where it coexists with *armeniacus*, this species usually occurs at lower altitudes in forests (I. Belousov) .

181 Differs easily from *hollbergi* either by the bright, often bichromous coloration of the upperside or by the heterodynamic elytral macrosculpture. The zone of intergradation between both subspecies lies in the Belokany District of Azerbaijan and the Lagodekhi District of Georgia. Interestingly, the range limit between the subspecies shifts eastwards along with growing elevations (I. Belousov) .

ssp. ***subcyaneus (Carabus adamsi, ssp.)*** KRAATZ 1878[182] ------G------------------ Gb2

ssp. ***hollbergi (Carabus adamsi, ssp.)*** MANNERHEIM 1827[183] ------GHI---------------- Gc2HcI

f. *separandus (Carabus adamsi, f.)* KRAATZ 1881 ------G------------------ Gc2

f. *separandulus (Carabus adamsi, f.)* MANDL 1975 -------HI---------------- HcI

159 ***separatus (Carabus)*** LAPOUGE 1907 possible in Azerbajian part of Talysh Mts

160 ***bohemanni (Carabus)*** MÉNÉTRIÉS 1832[184] ---------J----------

= *bohemani (Carabus)* auct.

= *bochemani (Carabus)* auct.

161 ***sovitzi (Carabus)*** FALDERMANN 1835[185] -------H------------------ Hb

= *scovitzi (Carabus)* auct.

Subgenus ***Cechenochilus*** MOTSCHULSKY 1850[186]

Type species: *Carabus boeberi* ADAMS 1817

= *Cechenus* FISCHER von WALDHEIM 1822

Type species: *Carabus boeberi* ADAMS 1817

The ***'boeberi'*** species group

162 ***boeberi (Carabus)*** ADAMS 1817 ------G------------------ Ga2bc

ssp. ***boeberi (Carabus boeberi, ssp.)*** ADAMS 1817 ------G------------------ Gb

= *fischeri (Carabus boeberi, syn.)* FISCHER von WALDHEIM 1823

= *pseudolongiceps (Carabus boeberi, syn.)* MANDL 1955

ssp. ***tschitscherini (Carabus boeberi, ssp.)*** SEMENOV 1896[187] ------G------------------ Gc1: Mts. Stolovaya, Khakhalgi

ssp. ***flagrans (Carabus boeberi, ssp.)*** SEMENOV 1898[188] ------G------------------ Gb: only Skalistyi Mt.R.

ssp. ***felix (Carabus boeberi, ssp.)*** SEMENOV et ZNOJKO 1932 ------G------------------ Ga2

ssp. ***aequaliceps (Carabus boeberi, ssp.)*** REITTER 1896 ------G------------------ Gc1

= *jakowlewi (Carabus boeberi, syn.)* SEMENOV 1896

ssp. ***schachensis (Carabus boeberi, ssp.)*** MANDL 1955 ------G------------------ Gc2

ssp. ***longiceps (Carabus boeberi, ssp.)*** CHAUDOIR 1846 ------G------------------ Gc1b234: S macroslope & partly watershed

ssp. ***buschi (Carabus boeberi, ssp.)*** SEMENOV et ZNOJKO 1932 ------G------------------ Gb13: Caucasus Major, env. Becho Pass

The ***'heydenianus'*** species group [189]

163 ***adangensis (Carabus)*** GOTTWALD 1983 ------G------------------ Ga13: Abishir-Akhuba, source of Arkhyz, M.Laba Riv.

164 ***gusevi (Carabus)*** ZAMOTAILOV et KOVAL 1989 ------G------------------ Ga3: Bzybian karst plateau & C.Abkhazia

165 ***heydenianus (Carabus)*** STARCK 1889 ------G------------------ Ga13: NW Caucasus to Laba, W Abkhazia to Bzyb Riv.

ssp. ***heydenianus (Carabus heydenianus, ssp.)*** STARCK 1889 ------G------------------ Ga1

var. *ganglbaueri (Carabus heydenianus, var.)* STARCK 1894

= *ganglbauerianus (Carabus heydenianus, syn.)* CSIKI 1927 [nom. pro *ganglbaueri* STARCK 1804]

var. *elongata (Carabus heydenianus, var.)* STARCK 1894

= *elongatulus (Carabus heydenianus, syn.)* CSIKI 1927 [nom. pro *elongatus* STARCK 1804]

ssp. ***euxinus (Carabus heydenianus, ssp.)*** SEMENOV 1896 ------G------------------ Ga3

ssp. ***prichodkoi (Carabus heydenianus, ssp.)*** SEMENOV 1896 ------G------------------ Ga1

= *rugosothoracicus (Carabus heydenianus, syn.)* MANDL 1955

166 ***kokujewi (Carabus)*** SEMENOV 1898[190] ------G------------------ Ga2b13, E part of Ga3

= *balachowskyi (Carabus)* MORVAN 1970

ssp. ***kokujewi (Carabus kokujewi, ssp.)*** SEMENOV 1898 ------G------------------ Ga23B3

ssp. ***tschegeti (Carabus kokujewi, ssp.)*** GOTTWALD 1983[191] ------G------------------ Gb1: Cheguet Mt.

Subgenus ***Eotribax*** SEMENOV 1898

Type species: *Carabus eous* A.MORAWITZ 1889

167 ***foreli (Carabus)*** G.HAUSER 1922 ----------------R-------- ? Rc

168 ***eous (Carabus)*** A.MORAWITZ 1889 ----------------R-------- Rbcd

ssp. ***eous (Carabus eous, ssp.)*** A.MORAWITZ 1889 ----------------R-------- Rbc

f. *reperiendus (Carabus eous, f.)* DEUVE 1992 ----------------R-------- R: Turkestan (loc.typ.) , no other comments

ssp. ***kokshaalensis (Carabus eous, ssp.)*** DEUVE 1993 ----------------R-------- Rd: Kokshaal Mt.R. (loc.typ) , no other comments

ssp. ***ukokensis (Carabus eous, ssp.)*** BELOUSOV et KABAK 1995 ----------------R-------- Rd: W extremity of Terskei Alatoo Mt.R.

ssp. ***baidulyensis (Carabus eous, ssp.)*** BELOUSOV et KABAK 1995 ----------------R-------- Rd: Baiduly Mt.R.

169 ***celsus (Carabus)*** SEMENOV 1898 ----------------R--------

170 ***eokirgisicus (Carabus)*** KABAK 1990[192] ----------------R-------- Rc: S slope Inylchek Mt.R.

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182 A small, uniform blue subspecies with a heterodynamic elytral microsculpture, characteristic of dry high-montane depressions of North Ossetia (I. Belousov) .

183 A highly uniform subspecies characterized by a blue upperside and a homodynamic elytral sculpture. Unlike other forms, *adamsi* displays no evident altitudinal variation (I. Belousov) .

184 Both morphologically and geographically, this is the most strongly isolated *Sphodristocarabus* species populating the forested parts of Talysh Mts (I. Belousov) .

185 The species is known from the Adzharo-Imeretian Mt. Range SW of Mepitskaro Mt. A high-alpine and the most petrophilic species of *Sphodristocarabus*, with almost no overlaps with the forest-dwelling *armeniacus*. In contrast to the trends in variation mentioned above in this Subgenus, it is considerably bigger in size than even the low-montane populations of *armeniacus* (I. Belousov) .

186 The Subgenus is represented by two lineages sharply differing by the structure of the aggonoporius, shape of both aedeagus and endophallus. At present, a vast territory is known supporting two sympatric consubgeners belonging to those groups, i.e. *C. kokujewi* and various races of *C. boeberi* (I.Belousov) .

187 Gottwald (1983) synonymized that taxon under the nominotypical form of *C. boeberi*. Yet all specimens from the Stolovaya Mt. agree fully with Semenov's description and differ well from the nominotypical subspecies by the short, strongly rounded body and by the bright metallic lustre of the upperside (I. Belousov) .

188 Originally, it has been described from Daghestan. In addition to type material (kept in ZISP) , this form is known to us solely from the Skalistyi Mt. Range, central Caucasus Major. Closer to the main watershed, it is replaced by the nominotypical form. It differs securely by the convex body with a more strong metallic lustre and by the exceptionally strongly hypertrophied female head (I. Belousov) .

189 Deuve (1994) regards all species of this group as subspecies of a single polymorphous species. Special studies conducted within the range of the group have allowed to reveal intermediate forms solely in the *C. gusevi* - *C. adangensis* pair. All the remaining species differ extremely strongly by the structure of both endophallus and aggonoporius. Hence they must be considered as separate species, in spite of strict allopatry (I. Belousov) .

190 The species is distributed over the N macroslope of the Caucasus Major, from the Mysta-Bashi Mt. Range in the west to the Upper Elbrus region in the east, while in the south from the Kodorian Mt. Range to the western Upper Svanetia (Shtavler Mt. Range) (I. Belousov) .

191 Described as a separate species, it differs in fact only by a more dull coloration and a stouter, more compact body. The structure of the aedeagus and aggonoporius is the same. It seems to represent at best a poorly differentiated subspecies displaying a number of traits characteristic of xerophiles. Indeed, both on Cheguet Mt. and in other places of the Elbrus area, such individuals are rather common, yet normal specimens occur among them as well. In any event, variability of *C. kokujewi* in these characters within the main distribution is considerably stronger than that observed in *tschegeti* (I. Belousov) .

171 ***manap (Carabus)*** BREZINA et KABAK 1993 ----------R-------- Rd: W extremity of Terskei Alatoo Mt.R.

172 ***hiekei (Carabus)*** KABAK et KRYZHANOVSKIJ 1990 ----------R-------- Rb: Zailiisky Alatau: basin of B.& M.Almaatinka R.

= *talgarensis (Carabus)* MATEJIªEK 1991[193]

173 ***siniaevi (Carabus)*** DEUVE 1993[194] ----------R-------- Rd: Kokshaal Mt.R., no more comments (loc.typ.)

174 ***karkarensis (Carabus)*** KABAK et OVTCHINNIKOV 1994 ----------R-------- Rb: E part of Terskei Alatoo Mt.R.

175 ***dshungaricola (Carabus)*** DEUVE 1989 ----------R-------- Rb: E Terskei Alatoo, Meridionalnyi Mt.R.

= *rufescens (Carabus)* BREUNING 1934

176 ***malkovskyi (Carabus)*** KABAK 1990 ----------R-------- Ra: SE Dzhungarsky Mt. System

177 ***valikhanovi (Carabus)*** KABAK 1990 ----------R-------- Rb:N slopes E Terskei; Rc:W to E slope Keolyuu-Too

= *elongatior (Carabus)* DEUVE 1991

Subgenus ***Leptoplesius*** REITTER 1898

Type species: *Carabus marquardti* REITTER 1898

178 ***merzbacheri (Carabus)*** G.HAUSER 1922

ssp. ***kirgisiensis (Carabus merzbacheri, ssp.)*** MANDL 1967[195] ----------R-------- Rc

= *juzai (Carabus merzbacheri, syn.)* DEUVE 1992 **Syn. nov.**

= *sarydjazensis (Carabus merzbacheri, syn.)* DEUVE 1992 **Syn. nov.**

Subgenus ***Cechenotribax*** SEMENOV et ZNOJKO 1932

Type species: *Carabus petri* SEMENOV et ZNOJKO 1932

179 ***petri (Carabus)*** SEMENOV et ZNOJKO 1932[196] ----------R-------- Rab

Subgenus ***Cratocechenus*** REITTER 1896

Type species: *Carabus akinini* A.MORAWITZ 1886

180 ***niedli (Carabus)*** GOTTWALD 1987[197] ----------R-------- Rb: Kirghizsky Mt.R. (Ala-Archa, Alamedin)

181 ***akinini (Carabus)*** A.MORAWITZ 1886 ----------R-------- Rbcd

ssp. ***akinini (Carabus akinini, ssp.)*** A.MORAWITZ 1886 ----------R-------- Rbd

= *severovi (Carabus akinini, syn.)* DEUVE 1992 **Syn. nov.**[198]

ssp. ***buffi (Carabus akinini, ssp.)*** DEUVE et KALAB 1992 ----------R-------- Rd: contact zone Susamyr - Talassky Mts

ssp. ***ketmenensis (Carabus akinini, ssp.)*** DOLIN 1991 ----------R-------- Rb: Ketmen Mt.R.

ssp. ***puellus (Carabus akinini, ssp.)*** LAPOUGE 1924 ----------R-------- Rbc

ssp. ***loudai (Carabus akinini, ssp.)*** GOTTWALD 1987 ----------R-------- Rb: Kirghizsky Mt.R.

= *issykatae (Carabus akinini, syn.)* CHROMY 1993[199]

ssp. ***musartianus (Carabus akinini, ssp.)*** GOTTWALD 1987[200] ----------R-------- Rb: E extreme of Terskei Alatoo Mt.R.

ssp. ***elisabethae (Carabus akinini, ssp.)*** SEMENOV 1908 ----------R-------- Rb: Zailiisky Alatau, excl. western part

= *tenuipes (Carabus)* LAPOUGE 1924

var. *convexiusculus (Carabus akinini, var.)* SEMENOV 1908 ----------R-------- Rb: Lake Issyk (=Zhasylkol) , canyon of Turgeun Riv.

182 ***ovtschinnikovi (Carabus)*** GOTTWALD 1987 ----------R-------- Rb

ssp. ***ovtchinnikovi (Carabus ovtschinnikovi, ssp.)*** GOTTWALD 1987 ----------R-------- Rb: W part of S slope of Kunguei Alatoo, env. Cholpon-Ata

ssp. ***keminensis (Carabus ovtschinnikovi, ssp.)*** KABAK 1994 ----------R-------- Rb: Chon-Kenim Riv.

ssp. ***kafkai (Carabus ovtschinnikovi, ssp.)*** DEUVE 1994 ----------R-------- Rb: S slope of Kunguei Alatoo, Grigoryevskoe Canyon

ssp. ***letellierianus (Carabus ovtschinnikovi, ssp.)*** DEUVE 1990 ----------R-------- Rb:W extreme of Kunguei Alatoo: Oktorkoi Mt.

= *makarovi (Carabus ovtschinnikovi, syn.)* KABAK 1990

ssp. ***tshuilensis (Carabus ovtschinnikovi, ssp.)*** KABAK 1994 ----------R-------- Rb: Suuktyube Mts

183 ***wrzecionkoi (Carabus)*** DEUVE 1991[201] ----------R-------- Rc: Inylchek Mt.R.

Subgenus ***Cratocephalus*** KIRSCH 1859

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192 Deuve (1993) has referred to this taxon as a subspecies of *C. valikhanovi* Kabak, putting forth no arguments in support of that decision. In his catalogue, Deuve (1994) repeated his earlier opinion. Here we retain full specific rank for *C. eokirgisicus* for the following reasons: (1) there are sufficiently strong differences between both species, all noted in the original descriptions; (2) the abundant materials of *C. valikhanovi* at hand, including samples from the Inylchek and Kaindy-Katta Mt. ranges, contain no specimens with intermediate characters; (3) according to a personal communication of V. S. Murzin, who collected the sole known individual (holotype) of *C. eokirgisicus*, the species was taken from the S slope of the Inylchek Mt. Range in the vicinity of Tashkaro. More to the south, in the Kaindy-Katta Mt. Range, the typical *C. valikhanovi* occurs, with the locus typicus of *C. eokirgisicus* hence lying within the distribution range of *C. valikhanovi.* Apparently, both species are sympatric (I. Kabak) .

193 Described from 1". Despite a poor drawing and an extremely brief original description omitting both numerous most important characters and a diagnosis, the following synonymy is beyond doubt: *C. hiekei* Kabak et Kryzh. = *C. talgarensis* Mateji°ek. The loci typici of both taxa coincide even to the altitudes they were taken at (I. Kabak) .

194 Deuve (1994) suggests that the name is fixed for a *C. eous* x *C. pupulus* interspecific hybrid. See also Kabak (1994) (I. Kabak) .

195 The materials studied, i.e. 45" from various places of the central Tian-Shan Mts, including a paratype of *C. kirgisiensis jusai* Deuve and the type series of *C. kirgisiensis sarydjazensis* Deuve, coupled with repeated field observations seem convincing enough to regard all the characters distinguishing both subspecies by Deuve as actually lying within the individual variation range of *C. merzbacheri kirgisiensis* Mandl. A thorough redescription of and morphometric data concerning this taxon will be dealt with in one of the forthcoming publications (I. Kabak) .

196 The southeastern Dzhungarsky Alatau Mt. System and northern Tian-Shan: Ketmen, Karatau, NE spurs of Terskei Alatoo (Basulytau and Elshenbuiryuk) Mt. Range (I. Kabak) .

197 Close to *C. narynensis* Csiki and probably also warranting the allocation in the Subgenus *Cratocechenus.* Deuve (1994) has assigned it to the Subgenus *Cratocechenus* as well (I. Kabak) .

198 A study of abundant materials from various mountain ranges of the Inner Tian-Shan, including 1" 1" taken by Severov together with the holotype of *C. akinini severovi* Deuve in the canyon of Vostochnyi Karakol River (Coll. Kleinfeld) , has revealed that the region in question is populated by *C. akinini akinini*, while *C. akinini severovi* is a synonym of the nominotypical subspecies (I. Kabak) .

199 A study of abundant materials from the canyons of Ala-Archa, Alamadin and Issyk-Ata rivers has unravelled that *C. akinini issykatae* Chromy differs from *C. akinini loudai* Gottw. only by the more poorly developed metallic lustre of the body (seldom, the coloration of individuals from Issyk-Ata is uniform black) . The differences concerning elytral sculpture as given in the original description of *C. akinini issykatae* to distinguish the taxon from *C. akinini loudai* do not hold valid due to a considerable altitudinal variation in that character in all populations. *C. akinini issykatae* Chromy 1993 is thus a junior synonym of *C. akinini loudai* Gottw. 1987, this being also in accordance with the opinions of Brezina (1994) and Deuve (1994) (I. Kabak) .

200 In his catalogue, Deuve (1994) refers to this name as a synonym of *C. akinini puellus* Lap. In fact, along the Terskei Alatoo Mt. Range, *C. akinini* displays a typical pattern of clinal variation, i.e. all stages of a gradual transition from the slender and flattened *akinini akinini* in the west, via *akinini puellus*, to the strongly stout and convex *akinini musartianus* in the east. The name *C. akinini musartianus* seems best to be retained to denominate that extreme form, the more so as the latter differs from *C. akinini puellus* no less strongly than other subspecies of that species, e.g. *C. akinini akinini* and *C. akinini ketmenensis.* Both latter subspecies are differentiated but very slightly (I. Kabak) .

201 In his catalogue, Deuve (1994) refers to this form as a *C. akinini* x *C. valikhanovi* hybrid (I. Kabak) .

Type species: *Carabus songoricus* KIRSCH 1829

= *Pachycechenus* SEMENOV 1898

Type species: *Carabus solskyi* BALLION 1878

184 ***narynensis (Carabus)*** CSIKI 1927 [nom. pro *nicolasi* LAPOUGE 1924][202] ----------R-------- Rbd
= *nicolasi (Carabus)* LAPOUGE 1924
= *cupreomicans (Carabus)* MANDL 1955
? *corrugulus (Carabus)* MANDL 1955

185 ***chan (Carabus)*** BREUNING 1932 ----------R-------- Rb: central part of Kirghizsky Mt.R.

186 ***corrugis (Carabus)*** DOHRN 1882 ----------R-------- Rb
= *cicatricosus part. (Carabus)* SEMENOV 1898
= *stenroosi (Carabus)* POPPIUS 1905
= *suvorovi (Carabus)* SEMENOV 1906

187 ***cicatricosus (Carabus)*** FISCHER von WALDHEIM 1842 ----------P-R-------- PdRabd
= *songoricus (Carabus)* KIRSCH 1859
= *extremus (Carabus)* SEMENOV 1898 Rb: W extreme of Kunguei Alatoo, Oktorko Mt.
= *exter (Carabus)* CSIKI 1927 [nom. pro *extremus* SEMENOV 1898]
= *costatorugosus (Carabus)* MANDL 1955
= *transverserugosus (Carabus)* MANDL 1955
? *cicatricosoides (Carabus)* MANDL 1955

188 ***solskyi (Carabus)*** BALLION 1878[203] ----------P-R-------- PdRab

189 ***balassogloi (Carabus)*** DOHRN 1882 ----------R-------- Rd; Rb: excl. Kirghizsky Mt.R. & W Zailiisky Alatau
= *alveolatus (Carabus)* SEMENOV 1898

Subgenus ***Pseudotribax*** KRAATZ 1884

Type species: *Carabus validus* KRAATZ 1884

190 ***validus (Carabus)*** KRAATZ 1884 ----------R-------- Rd: Akshairak; Re: Fergansky Mt.R.:Kara-Alma, Urumbash

191 ***ferghanicus (Carabus)*** BREUNING 1933 ----------R-------- Re: Baubashata, Alashtau Mt.R.

Subgenus ***Cratophyrtus*** REITTER 1896

Type species: *Carabus kaufmanni* SOLSKY 1874

192 ***kaufmanni (Carabus)*** SOLSKY 1874 ----------RS-------
= *gracilis (Carabus)* HEYDEN 1885
ssp. ***kaufmanni (Carabus kaufmanni, ssp.)*** SOLSKY 1874 ----------S------- Sc: Turkestansky Mt.R.
ssp. ***segregatus (Carabus kaufmanni, ssp.)*** A.MORAWITZ 1886 ----------S------- Sa: Alai Mt.R.
ssp. ***lebedevianus (Carabus kaufmanni, ssp.)*** BREUNING 1933 ----------R-------- Rde
= *grigorjevi (Carabus kaufmanni, syn.)* KRYZHANOVSKIJ 1953

193 ***hauseri (Carabus)*** REITTER 1894 ----------R-------- Re
= *dobzhanskii (Carabus)* SEMENOV et ZNOJKO 1932

194 ***turcosinensis (Carabus)*** MANDL 1955 ----------R-------- Re: Chimgan Mts, W part of Chatkalsky Mt.R.
= *korelli (Carabus turcosinensis, syn.)* KLEINFELD 1988

195 ***medvedevi (Carabus)*** KRYZHANOVSKIJ 1968 ----------R-------- Re
ssp. ***medvedevi (Carabus medvedevi, ssp.)*** KRYZHANOVSKIJ 1968 ----------R-------- Re: mountains in Pskem Riv. basin
ssp. ***dzhebaglicus (Carabus medvedevi, ssp.)*** GOTTWALD 1989 ----------R-------- Re: Aksu-Dzhabagly Reserve

196 ***katajevi (Carabus)*** GOTTWALD 1989 ----------R-------- Re: Karzhantau Mt.R.

Subgenus ***Cratocarabus*** REITTER 1896

Type species: *Carabus puer* A.MORAWITZ 1886

197 ***puer (Carabus)*** A.MORAWITZ 1886 ----------R-------- Rbcd

198 ***jacobsoni (Carabus)*** SEMENOV 1908 ----------R-------- Rb:Zailiisky Alatau; Kunguei Alatoo, above Chon-Kemin

199 ***redikortzevi (Carabus)*** SEMENOV 1933 ----------R-------- Rb: E part of Kirghizsky Mt.R.

Subgenus ***Alipaster*** REITTER 1896

Type species: *Carabus pupulus* A.MORAWITZ 1889

200 ***pupulus (Carabus)*** A.MORAWITZ 1889[204] ----------R-------- Rbcd
= *wilkinsi (Carabus)* SEMENOV 1903
= *parviceps (Carabus)* LAPOUGE 1924
= *merzbacherianus (Carabus)* BREUNING 1932 Rb: W part of S sl. of Kunguei Alatoo, env.Cholpon-Ata
= *bruggei (Carabus)* GOTTWALD 1990 Sa
= *inylchekensis (Carabus)* DEUVE 1991
= *dzhajloensis (Carabus)* DEUVE 1991
= *przewalskensis (Carabus)* DEUVE 1992
= *dissimilatoides (Carabus)* DEUVE 1992
= *infantulus (Carabus)* auct. part. [205]

201 ***dissimulatus (Carabus)*** DEUVE 1991[206] ----------R-------- Rc: Inylchektoo Mt.R., Atdzhailyau Pass

Subgenus ***Tribax*** FISCHER von WALDHEIM 1817[207]

Type species: *Carabus puschkini* ADAMS 1817

= *Platychrus* KOLENATI 1845

Type species: *Carabus puschkini* ADAMS 1817

202 ***circassicus (Carabus)*** GANGLBAUER 1886[208] -----FG------------------ Gab1

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202 Distributed in the northern Tian-Shan Mts (the S slope of Ketmen and the E part of Terskei Alatoo Mt. ranges) as well as the E part of Inner Tian-Shan (up to the environs of Min-Kush in the west) (I. Kabak) .

203 Distribution: Tian-Shan (Tyshkantau, Ketmen and E part of Terskei Alatoo Mt. ranges) and southern Cisbalkhashia: a riparian thicket in the lower flow of Ili River (I. Kabak) .

204 Distribution: northern (Terskei Alatoo and E part of Kunguei Alatoo Mt. ranges) and Inner Tian-Shan (up to the environs of Min-Kush in the west) ; Alai Mt. System: Zaalaisky Mt. Range (I. Kabak) .

205 *C. infantulus* A. Mor. is absent from the mountains of central Tian-Shan. All records within the former Soviet Union are based on misidentifications (I. Kabak) .

206 Deuve (1994) refers to this name as a *C. pupulus* x *C. valikhanovi* hybrid. See also Kabak (1994) (I. Kabak) .

207 The subgeneric division of the Caucasian *Carabi longimandibulare* is yet far from satisfactory. Along with such natural groupings as *Microtribax*, *Archiplectes* and *Neoplectes*, there are some evidently commodious complexes, e.g. *Tribax*, *Microplectes.* Apparently, further advances in the classification will follow the way of splitting the heterogeneous assemblages into more natural groups and their subsequent rearrangements. Such a project extends beyond the regional fauna. Nomenclatural problems may become topical only after the development of a single hierarchical system. Therefore, to facilitate the use of the present paper, we retain the most widely used subgeneric classification (I. Belousov, K. Makarov) .

208 An extremely polymorphous species which tends to form poorly delimited geographical forms. The system of intraspecific categories given here ought to be regarded as preliminary (I. Belousov) .

ssp. ***circassicus (Carabus circassicus, ssp.)*** GANGLBAUER 1886 ------G---------- Ga1
= *justinae (Carabus circassicus, syn.)* REITTER 1888
= *abchasicus (Carabus circassicus, syn.)* REITTER 1896
ssp. ***abasinus (Carabus circassicus, ssp.)*** ROST 1893 ------G---------- Ga3: Bzybian karst plateau
ssp. ***abagonensis (Carabus circassicus, ssp.)*** STARCK 1894 ------G---------- Ga1: Abago plateau
ssp. ***kubaniensis (Carabus circassicus, ssp.)*** SEMENOV 1896 ------G---------- Ga2: from Aksaut to Daut Riv.
ssp. ***teberdensis (Carabus circassicus, ssp.)*** ZOLOTAREV 1913 ------G---------- Ga3
= *planipennis (Carabus circassicus, syn.)* ROST 1891
ssp. ***tshchaltensis (Carabus circassicus, ssp.)*** NOVOTNY et VORISEK 1988 ------G---------- Ga3: Abkhazsky Mt.R.
ssp. ***koshtanensis (Carabus circassicus, ssp.)*** BELOUSOV et ZAMOTAILOV 1993 ------G---------- Gb1: env. Kashtantau

203 ***certus (Carabus)*** ROST 1896 ------G---------- Ga3: Gagrian Mt.R. & Bzybian plateau
204 ***agnatus (Carabus)*** GANGLBAUER 1889 ------G---------- Ga: E of Teberdinsky Mt.R.
= *kamberskyi (Carabus)* REITTER 1889
ssp. ***agnatus (Carabus agnatus, ssp.)*** GANGLBAUER 1889 ------G---------- Ga1
ssp. ***jermolowi (Carabus agnatus, ssp.)*** STARCK 1894 ------G----------
ssp. ***pseudoagnatus (Carabus agnatus, ssp.)*** NOVOTNY et VORISEK 1988 ------G---------- Ga3: Abkhazsky Mt.R.
205 ***titan (Carabus)*** ZOLOTAREV 1913 ------G---------- Ga13
ssp. ***titan (Carabus titan, ssp.)*** ZOLOTAREV 1913 ------G---------- Ga1
ssp. ***bzybiensis (Carabus titan, ssp.)*** GOTTWALD 1982 ------G---------- Ga3: left bank of Bzyb Riv.
ssp. ***abadzechus (Carabus titan, ssp.)*** ZAMOTAILOV 1988 ------G---------- Ga1
206 ***adelphus (Carabus)*** ROST 1892 ------G---------- Ga3
ssp. ***adelphus (Carabus adelphus, ssp.)*** ROST 1892 ------G---------- Ga3: South spur of Kodorian Mt.R.: Akiba
ssp. ***rex (Carabus adelphus, ssp.)*** GOTTWALD 1980 ------G---------- Ga3: Kodorian Mt.R.
207 ***nacharensis (Carabus)*** ROST 1893 ------G---------- Ga23: E Abkhazia: Caucasus Major
208 ***kasbekianus (Carabus)*** KRAATZ 1877 ------G---------- Gb: excl. Elbrus area
ssp. ***kasbekianus (Carabus kasbekianus, ssp.)*** KRAATZ 1877 ------G---------- Gb2: eastern part
= *lomisi (Carabus kasbekianus, syn.)* GOTTWALD [nom. nud.] ------G---------- Gb2
ssp. ***veselyi (Carabus kasbekianus, ssp.)*** GOTTWALD 1980 ------G---------- Gb34: excl. S spurs of Ergissian Mt.R.
ssp. ***mingrelicus (Carabus kasbekianus, ssp.)*** REITTER 1889 ------G---------- Gb2: karstic massif of south Racha plateau
209 ***onerosus (Carabus)*** BELOUSOV et ZAMOTAILOV 1993 ------G---------- Gb4: karstic mountains of Megrelia
210 ***balkaricus (Carabus)*** BELOUSOV et ABDURACHMANOV 1991 ------G---------- Gb1: only Cherek Balkarian valley
211 ***apschuanus (Carabus)*** ROST 1893 ------G---------- Ga
ssp. ***apschuanus (Carabus apschuanus, ssp.)*** ROST 1893 ------G---------- Ga3: Bzybian karstic plateau
ssp. ***pseudoplatessa (Carabus apschuanus, ssp.)*** GOTTWALD 1982 ------G---------- Ga3: Central and East Abkhazia
= *platessa (Carabus apschuanus, syn.)* auct. [non MOTSCHULSKY 1850]
ssp. ***schoeni (Carabus apschuanus, ssp.)*** NOVOTNY et VORISEK 1988 ------G---------- Ga13: between Bzyb, B.Laba & Mzymta Riv.
ssp. ***zorkae (Carabus apschuanus, ssp.)*** NOVOTNY et VORISEK 1988 ------G---------- Ga2: upper Teberda Riv.
ssp. ***galianus (Carabus apschuanus, ssp.)*** BELOUSOV et ZAMOTAILOV 1993 ------G---------- Ga3: S spurs of Kodorian Mt.R.: Akiba
212 ***kadleci (Carabus)*** NOVOTNY et VORISEK 1988 ------G---------- Gb3: Upper Svanetia, Nakra valley
213 ***nakrensis (Carabus)*** NOVOTNY et VORISEK 1988 ------G---------- Ga3: Upper Svanetia, Nakra valley
214 ***biebersteini (Carabus)*** MÉNÉTRIÉS 1832 ------G----------
ssp. ***biebersteini (Carabus biebersteini, ssp.)*** MÉNÉTRIÉS 1832 ------G---------- Ga2b1: Skalistyi Mt.R. from Teberda to Elbrus
= *mesmini (Carabus biebersteini, syn.)* LAPOUGE 1909
= *chiperi (Carabus biebersteini, syn.)* GOTTWALD [nom. nud.] ------G----------
ssp. ***ulgeni (Carabus biebersteini, ssp.)*** GOTTWALD 1982 ------G---------- Ga2b1: N slope Skalistyi Mt.R. from Teberda to Elbrus
215 ***hurkai (Carabus)*** GOTTWALD 1980 ------G---------- Gb3: Upper Svanetia
216 ***constantinowi (Carabus)*** STARCK 1894 ------G---------- Ga13
ssp. ***constantinowi (Carabus constantinowi, ssp.)*** STARCK 1894 ------G---------- Ga1
= *pseudofossiger (Carabus constantinowi, syn.)* STARCK 1894
ssp. ***otcharensis (Carabus constantinowi, ssp.)*** KURNAKOV 1972 ------G---------- Ga3: Bzybian karstic plateau
ssp. ***barakaicus (Carabus constantinowi, ssp.)*** ZAMOTAILOV 1991 ------G---------- Ga1
217 ***retezari (Carabus)*** GOTTWALD 1980 ------G---------- Ga3
218 ***fossiger (Carabus)*** CHAUDOIR 1877 ------G---------- Gbc1
ssp. ***fossiger (Carabus fossiger, ssp.)*** CHAUDOIR 1877 ------G---------- Gb34
= *herminae (Carabus fossiger, syn.)* REITTER 1889
= *mingrel (Carabus fossiger, syn.)* NOVOTNY et VORISEK 1988
ssp. ***ingusch (Carabus fossiger, ssp.)*** ZOLOTAREV 1913 ------G---------- Gb12c1
219 ***kraatzi (Carabus)*** CHAUDOIR 1877[209] ------GH---------- ?Gb ?Hb
220 ***macropus (Carabus)*** CHAUDOIR 1877 ------G---------- Gc1
221 ***puschkini (Carabus)*** ADAMS 1817 -------H---------- Hbc
ssp. ***puschkini (Carabus puschkini, ssp.)*** ADAMS 1817 -------H---------- Hc
ssp. ***kolenatii (Carabus puschkini, ssp.)*** CHAUDOIR 1846 -------H---------- Hb: excl. Adzharia
= *suramensis (Carabus puschkini, syn.)* KRAATZ 1887
ssp. ***kintrishiensis (Carabus puschkini, ssp.)*** GOTTWALD 1980 -------H---------- Hb: N Adzharia
ssp. ***platypterus (Carabus puschkini, ssp.)*** GANGLBAUER 1886 -------H---------- Hb: S Adzharia
222 ***osseticus (Carabus)*** ADAMS 1817 ------G---------- Gb2c12
= *mussini (Carabus)* GERMAR 1824
= *platessa (Carabus osseticus, syn.)* MOTSCHULSKY 1850
223 ***edmundi (Carabus)*** SEMENOV 1896 ------G---------- Gc2: to Zakataly, where sympatric with *osseticus*
224 ***steveni (Carabus)*** MÉNÉTRIÉS 1832 ------G---------- Gb1: excl. N macroslope of the Caucasus Major
ssp. ***steveni (Carabus steveni, ssp.)*** MÉNÉTRIÉS 1832 ------G---------- Ga2b1: mainly N spurs of Elbrus and Skalistyi Mt.R
= *tataricus (Carabus steveni, syn.)* ROST 1890
ssp. ***punctiger (Carabus steveni, ssp.)*** SEMENOV 1896 ------G---------- Gb1
ssp. ***satanas (Carabus steveni, ssp.)*** SEMENOV 1896 ------G---------- Gb1: mainly to Bokovoi Mt.R.
ssp. ***schamyli (Carabus steveni, ssp.)*** HAMPE 1852 ------G---------- Gb2c1: mainly to Skalistyi Mt.R.
= *invictus (Carabus steveni, syn.)* CHAUDOIR 1863

Subgenus ***Microplectes*** REITTER 1896

209 The species is known only from old collections, newer informations being absent. Apparently, it is distributed in the NE part of the Trialetian Mt. Range and/or in the adjacent territories of South Ossetia. Kurnakov undertook special efforts to collect this species in the environs of Gori, all fruitless (I. Belousov) .

Type species: *Carabus riedeli* REITTER 1896 [non MÉNÉTRIÉS 1832]

225 ***argonautarum (Carabus)*** SEMENOV 1898[210] ------G------------------ Ga13
ssp. ***argonautarum (Carabus argonautarum, ssp.)*** SEMENOV 1898 ------G------------------ Ga13: from Akiba Mt.R. to Bzyb valley
= *cupreus (Carabus argonautarum, syn.)* CHAUDOIR 1877
ssp. ***reischitzi (Carabus argonautarum, ssp.)*** MANDL 1955 ------G------------------ Ga3: C Abkhazia, Bzybian karstic plateau
226 ***convallium (Carabus)*** STARCK 1889 ------G------------------ Ga1: mountains of Krasnodarsky Prov. to Mzymta valley
227 ***riedeli (Carabus)*** MÉNÉTRIÉS 1832 ------G------------------ Gb12: widely distributed to Bokovoi & Saklistyi Mt.r.

Subgenus ***Microtribax*** GOTTWALD 1982

Type species: *Carabus fausti* DOHRN 1873

= *Plectes* FISCHER von WALDHEIM 1832

Type species: *Carabus deplanatus* FISCHER von WALDHEIM 1823 [= *C.nothus* ADAMS 1817]

= *Neoplectes* REITTER 1885 Rab

Type species: *Carabus deplanatus* FISCHER von WALDHEIM 1823 [= *C.nothus* ADAMS 1817]

228 ***lederi (Carabus)*** REITTER 1882 ------G------------------ Gb34
ssp. ***lederi (Carabus lederi, ssp.)*** REITTER 1882 ------G------------------ Gb3: S slope of Caucasus Major & Svanetian Mt.R.
ssp. ***egrissicus (Carabus lederi, ssp.)*** BELOUSOV 1992 ------G------------------ Gb4: Egrissian Mt.R.
229 ***nothus (Carabus)*** ADAMS 1817 ------G------------------ Gb2c1
= *deplanatus (Carabus)* FISCHER von WALDHEIM 1823
230 ***fausti (Carabus)*** DOHRN 1873 ------G------------------ Gc2
= *formaneki (Carabus)* REITTER 1896
231 ***planipennis (Carabus)*** CHAUDOIR 1846 ------G------------------ Gc1
ssp. ***planipennis (Carabus planipennis, ssp.)*** CHAUDOIR 1846 ------G------------------ Gc1: mainly S macroslope of Caucasus Major
ssp. ***abdurakhmanovi (Carabus planipennis, ssp.)*** BELOUSOV in litt. ------G------------------ Gc1: N macroslope of Caucasus Major & Skalistyi Mt.R.
232 ***georgiensis (Carabus)*** GOTTWALD 1980 ------G------------------ Gb2: N macroslope of Caucasus Major
233 ***kasakorum (Carabus)*** SEMENOV 1896 ------G------------------ Gb2c1: only N macroslope of Caucasus Major
ssp. ***kasakorum (Carabus kasakorum, ssp.)*** SEMENOV 1896 ------G------------------ Gb2: mountains N of Skalistyi Mt.R.
= *cordicollis (Carabus kasakorum, syn.)* GANGLBAUER 1886
var. *potior (Carabus kasakorum, var.)* SEMENOV 1896
= *cordicervix (Carabus kasakorum, syn.)* CSIKI 1927 [nom. pro *cordicollis* GANGLBAUER 1886]
ssp. ***tschetschenicus (Carabus kasakorum, ssp.)*** SEMENOV 1896 ------G------------------ Gc1
ssp. ***ananovi (Carabus kasakorum, ssp.)*** SEMENOV 1896 ------G------------------ Gb2

Subgenus ***Archiplectes*** GOTTWALD 1982

Type species: *Carabus komarowi* GANGLBAUER 1886

234 ***compressus (Carabus)*** CHAUDOIR 1846 ------G------------------ Gb3: Lechkhumi Mt.R.
= *compressus (Carabus)* GANGLBAUER 1886
235 ***rebellis (Carabus)*** REITTER 1884 ------G------------------ Gb4: E part of Svanetian Mt.R.
236 ***lailensis (Carabus)*** BELOUSOV 1992 ------G------------------ Gb3: lower Svanetia, S macroslope of C.Svanetian Mt.R.
237 ***komarowi (Carabus)*** GANGLBAUER 1886 ------G------------------ Gb3: upper Svanetia
ssp. ***komarowi (Carabus komarowi, ssp.)*** GANGLBAUER 1886 ------G------------------ Gb3: upper Svanetia
= *mutabilis (Carabus komarowi, syn.)* REITTER 1896
ssp. ***vediensis (Carabus komarowi, ssp.)*** ZAMOTAILOV 1992 ------G------------------ Gb3: NW part of Svanetian Mt.R.
238 ***daphnis (Carabus)*** KURNAKOV 1962 ------G------------------ Gb4
ssp. ***daphnis (Carabus daphnis, ssp.)*** KURNAKOV 1962 ------G------------------ Gb4: upper Tekhuri Riv. & watershed of Egrissian Mt.R.
ssp. ***askhicus (Carabus daphnis, ssp.)*** BELOUSOV 1992 ------G------------------ Gb4: Askhi karstic plateau
ssp. ***tsekuricus (Carabus daphnis, ssp.)*** BELOUSOV 1992 ------G------------------ Gb4: E part of Egrissian Mt.R.: NE slope of Tsekuri Mt.
239 ***protensus (Carabus)*** SCHAUM 1864[211] ------G------------------ Gb24
ssp. ***protensus (Carabus protensus, ssp.)*** SCHAUM 1864 ------G------------------ Gb2: south of Racha
ssp. ***protensoides (Carabus protensus, ssp.)*** NOVOTNY et VORISEK 1988 ------G------------------ Gb4: S periphery of Megrelia
ssp. ***olegi (Carabus protensus, ssp.)*** BELOUSOV 1992 ------G------------------ Gb4: upper part of Magana Riv. basin
ssp. ***djavelidzei (Carabus protensus, ssp.)*** RETEZAR 1992 -------H------------------ Hb
240 ***plasoni (Carabus)*** GANGLBAUER 1886 ------G------------------ Ga3b3: border Abkhaziya-Svanetiya, N Kodorian Mt.R
ssp. ***plasoni (Carabus plasoni, ssp.)*** GANGLBAUER 1886 ------G------------------ Ga3b3: N spur of Kodorian Mt.R.
= *plasoni (Carabus plasoni, syn.)* ROST 1891
ssp. ***dalensis (Carabus plasoni, ssp.)*** ROST 1893 ------G------------------ Ga3: valley of Sakeni Riv.
ssp. ***klytshensis (Carabus plasoni, ssp.)*** GOTTWALD 1985 ------G------------------ Ga3: valley of Klych Riv.
241 ***heikertingeri (Carabus)*** MANDL 1955[212] ------G------------------ Ga3b3: border Abkhazia-Svanetia, S Kodorian Mt.R.
ssp. ***heikertingeri (Carabus heikertingeri, ssp.)*** MANDL 1955 ------G------------------ Ga3: valley of Galidzga Riv.
ssp. ***kobachidzei (Carabus heikertingeri, ssp.)*** KURNAKOV 1970 ------G------------------ Ga3: Zhepishke Mt.R.
ssp. ***okumicus (Carabus heikertingeri, ssp.)*** BELOUSOV 1992 ------G------------------ Ga3b3: karst massif of Okhachku Mt.
242 ***faunus (Carabus)*** KURNAKOV 1972 ------G------------------ Ga3: Kodorian Mt.R.
ssp. ***faunus (Carabus faunus, ssp.)*** KURNAKOV 1972 ------G------------------ Ga3: W spur of Kodorian Mt.R.
ssp. ***faunulus (Carabus faunus, ssp.)*** KURNAKOV 1972 ------G------------------ Ga3: central part of Kodorian Mt.R. and Akiba Mt.
ssp. ***aisrrensis (Carabus faunus, ssp.)*** BELOUSOV 1992 ------G------------------ Ga3: Aissra Mt.R.
243 ***koltzei (Carabus)*** ROST 1889 ------G------------------ Ga3: karstic mountains at Tsebelda
= *richteri (Carabus)* ROST 1889
244 ***lennoni (Carabus)*** GOTTWALD 1985 ------G------------------ Ga3: env. Lake Amtkel

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210 Deuve (1994) regards this taxon only as a subspecies of *convallium*, although Zamotajlov (1987) was quite correct in noting the strongly different structure of the endophallus armament displaying a distinct gap in this character (I. Belousov) .

211 In general, Deuve's (1994) treatment of the *protensus*-group is reasonable and it has been accepted here almost completely, with the exception of the subspecies *heikertingeri* and the somewhat mechanistic hierarchy of the subspecies (I. Belousov) .

212 Deuve (1994) considers this taxon as a subspecies of *protensus*. Special collections taken at the range limits of these taxa have revealed the complete absence of intermediates. A hiatus has been observed not only as regards the structure of the penial lamella but also in the conformation of the lateral lobes of the endophallus. Therefore we retain the specific status in accordance with both Gottwald (1985) and Belousov (1992) (I. Belousov) .

245 ***apollo (Carabus)*** ZOLOTAREV 1913 ------G------------------ Ga3: C Abkhazia between Bzyb paleteau & Kodori vall.
ssp. ***apollo (Carabus apollo, ssp.)*** ZOLOTAREV 1913 ------G------------------ Ga3
= *lucifer (Carabus apollo, syn.)* MANDL 1955
ssp. ***phoebus (Carabus apollo, ssp.)*** KURNAKOV 1962 ------G------------------ Ga3: interfluve Amtkel & W Gumista Riv.
ssp. ***tenebricosus (Carabus apollo, ssp.)*** KURNAKOV 1962 ------G------------------ Ga3: Mtsara west of W Gumista Riv.
ssp. ***lhychtensis (Carabus apollo, ssp.)*** ZAMOTAILOV 1991 ------G------------------ Ga3: Lykhta Mt.
246 ***satyrus (Carabus)*** KURNAKOV 1962 ------G------------------ Ga3: mountains between Bzyb and Kodori Riv.
ssp. ***satyrus (Carabus satyrus, ssp.)*** KURNAKOV 1962 ------G------------------ Ga3: south spurs between Kodori and Kelasuri Riv.
ssp. ***mtsaranus (Carabus satyrus, ssp.)*** KURNAKOV 1972 ------G------------------ Ga3: valley of Mtsara Riv., E Bzybian karstic plateau
ssp. ***besleticus (Carabus satyrus, ssp.)*** KURNAKOV 1972 ------G------------------ Ga3: valley of Kelasuri and Besleti Riv.
= *gaskoi (Carabus satyrus, syn.)* KENYERY 1975
ssp. ***duripshensis (Carabus satyrus, ssp.)*** KURNAKOV 1972 ------G------------------ Ga3: E part of Bzybian karstic plateau
ssp. ***naprensis (Carabus satyrus, ssp.)*** BELOUSOV et ZAMOTAILOV 1993 ------G------------------ Ga3: W part Bzybian karstic plateau, Napra Mt.
ssp. ***pseudopshuensis (Carabus satyrus, ssp.)*** ZAMOTAILOV 1991 ------G------------------ Ga3: Pskhu (valley of Bzyb Riv.)
247 ***polychrous (Carabus)*** ROST 1892 ------G------------------ Ga3
ssp. ***polychrous (Carabus polychrous, ssp.)*** ROST 1892 ------G------------------ Ga3: S slope of Bzybian plateau
248 ***rousianus (Carabus)*** GOTTWALD 1985[213] ------G------------------ Ga3: left bahk of Bzyb Riv. near mouth
249 ***reitteri (Carabus)*** RETOWSKI 1885[214] ------G------------------ Ga13
ssp. ***reitteri (Carabus reitteri, ssp.)*** RETOWSKI 1885 ------G------------------ Ga1
= *synallactes (Carabus reitteri, syn.)* GANGLBAUER 1887
= *retowskii (Carabus reitteri, syn.)* REITTER 1888
= *paradoxus (Carabus reitteri, syn.)* STARCK 1890
= *hypocrita (Carabus reitteri, syn.)* LAPOUGE 1909
= *batschkowskii (Carabus reitteri, syn.)* BODEMEYER 1928
= *tkatschukovi (Carabus reitteri, syn.)* BODEMEYER 1928
= *achunensis (Carabus reitteri, syn.)* GOTTWALD 1985
ssp. ***laevisternus (Carabus reitteri, ssp.)*** STARCK 1890 ------G------------------ Ga1: Aibga Mt.R.
= *fallax (Carabus reitteri, syn.)* ROST 1891
ssp. ***gagrinus (Carabus reitteri, ssp.)*** STARCK 1894 ------G------------------ Ga3: Gagrian Mt.R.
= *gegicus (Carabus reitteri, syn.)* GOTTWALD 1985
f. *arabikensis (Carabus reitteri, f.)* GOTTWALD 1985 high mountains
ssp. ***pshuensis (Carabus reitteri, ssp.)*** GOTTWALD 1985 ------G------------------ Ga3: Pskhu (valley of Bzyb River)
250 ***juenthneri (Carabus)*** REITTER 1899 ------G------------------ Ga23
ssp. ***juenthneri (Carabus juenthneri, ssp.)*** REITTER 1899 ------G------------------ Ga2: B.Laba Riv., N part of Ga3
ssp. ***labensis (Carabus juenthneri, ssp.)*** GOTTWALD 1985[215] ------G------------------ Ga3: B.Laba Riv.
ssp. ***dsychvensis (Carabus juenthneri, ssp.)*** GOTTWALD 1985 ------G------------------ Ga3: C Abkhazia, interfluve of W and E Gumista
ssp. ***adsypschi (Carabus juenthneri, ssp.)*** GOTTWALD 1985 ------G------------------ Caucasus Major between Ga2 and Ga3
ssp. ***avadharensis (Carabus juenthneri, ssp.)*** KURNAKOV 1972 ------G------------------ Ga3: Avadkhara
ssp. ***acheicus (Carabus juenthneri, ssp.)*** ZAMOTAILOV 1991 ------G------------------ Ga3: Bzyb valley
ssp. ***atchibachi (Carabus juenthneri, ssp.)*** ZAMOTAILOV 1992 ------G------------------ Ga3: Achibakh Mt.R.
251 ***jason (Carabus)*** SEMENOV 1898 ------G------------------ Ga3: N slope of Abkhazsky Mt.R.: Shoudidi
= *fauconneti (Carabus)* REITTER 1899
252 ***starcki (Carabus)*** HEYDEN 1884 ------G------------------ Ga1: alpine zone from Aibga to Fisht & Nagoy-Chuk
= *latitans (Carabus)* REITTER 1889
= *aibgensis (Carabus)* STARCK 1890
= *monstruosus (Carabus)* STARCK 1890
= *parvulus (Carabus)* STARCK 1894
= *schneideri (Carabus)* REITTER 1888
253 ***edithae (Carabus)*** REITTER 1893 ------G------------------ Ga12b1:Bokovoi & Skalistyi Mt.r. from M.Laba to Kinzhal
ssp. ***edithae (Carabus edithae, ssp.)*** REITTER 1893 ------G------------------ E part of Ga1; Ga2: from basin M.Laba Riv. to Arkhyz
= *jakobi (Carabus edithae, syn.)* MANDL 1955
= *caucasicus (Carabus edithae, syn.)* MOTSCHULSKY 1850
ssp. ***kabardensis (Carabus edithae, ssp.)*** KURNAKOV 1972 ------G------------------ Gb1: Skalistyi Mt.R.
ssp. ***umpyrensis (Carabus edithae, ssp.)*** GOTTWALD 1985 ------G------------------ Ga1: Umpyr Pass
ssp. ***exedithae (Carabus edithae, ssp.)*** GOTTWALD 1985 ------G------------------ Ga2: Teberda valley
ssp. ***markensis (Carabus edithae, ssp.)*** GOTTWALD 1985 ------G------------------ Ga2: B.Marka valley, alpine zone
254 ***kratkyi (Carabus)*** GANGLBAUER 1890 ------G------------------ Ga12: Skalistyi Mt.R.: from Belaya to Daut Riv.
ssp. ***kratkyi (Carabus kratkyi, ssp.)*** GANGLBAUER 1890 ------G------------------ Ga1: Abishira-Akhuba Mt.R., basin of Laba Riv.
ssp. ***dauti (Carabus kratkyi, ssp.)*** ZAMOTAILOV 1989 ------G------------------ Ga2: valley of Daut Riv.
ssp. ***schachgireii (Carabus kratkyi, ssp.)*** ZAMOTAILOV 1991 [sensu ZAMOTAILOV 1992] ------G------------------ Ga1: Alous Mt.R.: Lake Nessi
ssp. ***solodovnikovi (Carabus kratkyi, ssp.)*** ZAMOTAILOV 1992 ------G------------------ Ga1: B.Tkhach Mt.
255 ***shtchurovi (Carabus)*** BELOUSOV et ZAMOTAILOV 1993 ------G------------------ Gb1: env. Bezengi
256 ***felicitanus (Carabus)*** REITTER 1893 ------G------------------ Ga1: peripheral chains in basin of M. & B. Laba Riv.
ssp. ***felicitanus (Carabus felicitanus, ssp.)*** REITTER 1893 ------G------------------ Ga1: basin of M.Laba Riv.: Dzhiga, Aspidny Pass
= *kubanicus (Carabus felicitanus, syn.)* REITTER 1896
ssp. ***porcellus (Carabus felicitanus, ssp.)*** KURNAKOV 1972 ------G------------------ Ga1: Tybga Mt. & Abago Mt.R.
257 ***obtusus (Carabus)*** GANGLBAUER 1886 ------G------------------ Ga1

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213 Deuve (1994) refers to this taxon as a subspecies of *juenthneri*. According to our data, up to three *Archiplectes* consubgeners occur sympatrically on the Bzybian Karst Plateau, i.e. a geographical form of *juenthneri* as well as *satyrus* and *polychrous*. *C. rousianus* displays a transition only toward *polychrous*, not *juenthneri*. This is especially apparent in the structure of the penial lamella which is strongly elongate in the taxon concerned, being sharply different in this respect from that of *juenthneri* (I. Belousov) .

214 A highly variable species, the numerous races of which, in our opinion, do not deserve conservation as independent subspecies. In the present paper, subspecies are treated in a more broad sense than by Gottwald (1985) (I. Belousov) .

215 Known solely from 1” from the sources of Bolshaya Laba River, i.e. within the range of *C. juenthneri juentheri*. The specific independence requires confirmation (I. Belousov) .

ssp. ***obtusus (Carabus obtusus, ssp.)*** GANGLBAUER 1886 ------G---------- SE of Ga1, Achshkho Mt.R., env. Krasnaya Polyana
ssp. ***adelaidae (Carabus obtusus, ssp.)*** STARCK 1889 ------G---------- Se of Ga1, right bank of lower flow of Mzymta Riv.
= *semiadelaidae (Carabus obtusus, syn.)* STARCK 1890
= *coloratus (Carabus obtusus, syn.)* STARCK 1894
= *putoni (Carabus obtusus, syn.)* STARCK 1894
= *obtusior (Carabus obtusus, syn.)* LAPOUGE 1909
ssp. ***ganglbaueri (Carabus obtusus, ssp.)*** REITTER 1888 ------G---------- Ga1: basin of Belaya Riv., mainly right bank
= *pulchripes (Carabus obtusus, syn.)* REITTER 1896
258 ***starckianus (Carabus)*** GANGLBAUER 1886 ------G---------- Ga1: from valley of Kuban to valley of Mzymta
ssp. ***starckianus (Carabus starckianus, ssp.)*** GANGLBAUER 1886 ------G---------- Ga1: between Sochi and Ashe Riv.
= *imperator (Carabus starckianus, syn.)* STARCK 1890
ssp. ***olgae (Carabus starckianus, ssp.)*** SEMENOV 1898 ------G---------- Ga1 Circassia: ? Tuba Mt.
= *roseni (Carabus starckianus, syn.)* BRIANSKY 1910
= *rosenianus (Carabus starckianus, syn.)* CSIKI 1927 [nom. pro *roseni* BRIANSKY 1910]
ssp. ***theseus (Carabus starckianus, ssp.)*** BRIANSKY 1910 ------G---------- Ga1: from Tuapse to Krasnyi Les
= *tamarus (Carabus starckianus, syn.)* BRIANSKY 1910 Rbc
ssp. ***babukensis (Carabus starckianus, ssp.)*** ZAMOTAILOV 1988 ------G---------- Ga1: upper flow of Pshekha Riv.
ssp. ***phlagochensis (Carabus starckianus, ssp.)*** IMURA et ZAMOTAILOV 1993 ------G---------- Ga1: Flagoch Mt. near Sochi
ssp. ***shessiensis (Carabus starckianus, ssp.)*** IMURA et ZAMOTAILOV 1993 ------G---------- Ga1: Shessi Mt.
ssp. ***semashchoensis (Carabus starckianus, ssp.)*** IMURA et ZAMOTAILOV 1993 ------G---------- Ga1: Semashkho Mt.
259 ***kaljuzhnyii (Carabus)*** ZAMOTAILOV 1988 ------G---------- Ga1: Guam Mt., Kurdzhips valley near Mezmai
260 ***prometheus (Carabus)*** REITTER 1887 ------G---------- Ga1: from Belaya to Krasnyi Les
ssp. ***prometheus (Carabus prometheus, ssp.)*** REITTER 1887 ------G---------- Ga1: N macroslope between Belaya and Afips riv.
= *zugmayeri (Carabus prometheus, syn.)* REITTER 1888
= *wolfianus (Carabus prometheus, syn.)* REITTER 1888
= *brianskii (Carabus prometheus, syn.)* LUTSHNIK 1909
ssp. ***nubicola (Carabus prometheus, ssp.)*** ZOLOTAREV 1913 ------G---------- Ga1: N macroslope of Lagonaki plateau
ssp. ***pschadensis (Carabus prometheus, ssp.)*** ZAMOTAILOV 1990 ------G---------- Ga1: env. Gelendzhik
= *mendax (Carabus prometheus, syn.)* ZAMOTAILOV 1988
261 ***zolotarevi (Carabus)*** ZAMOTAILOV 1988 ------G---------- Ga1: Skalistyi Mt.R. between M.Laba and Kisha riv.
ssp. ***zolotarevi (Carabus zolotarevi, ssp.)*** ZAMOTAILOV 1988 ------G---------- Ga1: Skalistyi Mt.R. between Urushten and M.Laba Riv.
ssp. ***dzhugensis (Carabus zolotarevi, ssp.)*** ZAMOTAILOV 1988 ------G---------- Ga1: E spurs of Dzhuga Mt.
262 ***basilianus (Carabus)*** STARCK 1890 ------G---------- Ga1
ssp. ***basilianus (Carabus basilianus, ssp.)*** STARCK 1890 ------G---------- Ga1: Skalistyi Mt.R. between Kisha and M.Laba riv.
= *neerworti (Carabus basilianus, syn.)* REITTER 1893
= *ignicolor (Carabus basilianus, syn.)* REITTER 1893
ssp. ***epimethaeus (Carabus basilianus, ssp.)*** KURNAKOV 1972 ------G---------- Ga1: W of the typical area
263 ***miroshnikovi (Carabus)*** ZAMOTAILOV 1990 ------G---------- Ga1: the most peripheral mts between Belaya & B.Laba riv.
= *hephaestus (Carabus)* ZAMOTAILOV 1988

Subgenus ***Neoplectes*** GOTTWALD 1982[216]

Type species: *Carabus ibericus* FISCHER von WALDHEIM 1823

= ***Plectocarabus*** DEUVE 1991

Type species: *Carabus ibericus* FISCHER von WALDHEIM 1823

264 ***ibericus (Carabus)*** FISCHER von WALDHEIM 1823 ------G---------- Gc1: S macroslope, Tsivi-Gomborian Mt.R., Kakhetia
265 ***lafertei (Carabus)*** CHAUDOIR 1846 -------H---------- Hb
ssp. ***lafertei (Carabus lafertei, ssp.)*** CHAUDOIR 1846 -------H---------- Hb
= *pretiosus (Carabus lafertei, syn.)* LAPOUGE 1909
= *refulgens (Carabus lafertei, syn.)* CHAUDOIR 1846
= *niger (Carabus lafertei, syn.)* KRAATZ 1877
= *nigrocyaneus (Carabus lafertei, syn.)* KRAATZ 1877
= *nigrovirescens (Carabus lafertei, syn.)* REITTER 1889
? *ledereri (Carabus lafertei, syn.)* GÉHIN 1885 -------H---------- Hb
ssp. ***chaudorianus (Carabus lafertei, ssp.)*** LAPOUGE 1909 -------H---------- Hb
266 ***mellyi (Carabus)*** CHAUDOIR 1846 ------G---------- Gb2: Racha & S Ossetia
= *ratchensis (Carabus)* BORN 1897
= *battoniellus (Carabus)* DEUVE 1991
267 ***martviliensis (Carabus)*** RETEZAR et DJAVELIDZE 1992 ------G---------- Gb4: left bank of Tekhuri Riv., karstic massif

Subgenus ***Lamprostus*** MOTSCHULSKY 1865

Type species: *Carabus spinolai* Cris.et Jan.1837

= ***Chaetogaster*** LAPOUGE 1931

Type species: *Carabus saulcyi* PIOCHARD de la BR¯LERIE 1875

= ***Chaetoprostus*** REITTER 1896

Type species: *Carabus hemprichi* DEJEAN 1826

= ***Pseudoprocrustes*** A.MORAWITZ 1886

Type species: *Carabus hemprichi* DEJEAN 1826

268 ***calleyi (Carabus)*** FISCHER von WALDHEIM 1823 -------HI---------- Gc2HcIJ
ssp. ***calleyi (Carabus calleyi, ssp.)*** FISCHER von WALDHEIM 1823 -------HI----------
= *prevosti (Carabus calleyi, syn.)* GORY 1833
ssp. ***pseudoprasinus (Carabus calleyi, ssp.)*** LAPOUGE 1912 -------H---------- Hc
= *pseudocalleji (Carabus calleyi, syn.)* LAPOUGE 1914
= *nigropolitulus (Carabus calleyi, syn.)* MANDL 1970

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216 All species of the Subgenus display characteristic features allowing to easily distinguish them among allied groups. Considering the strong differences of a number of taxa in genital structure, involving the pattern of symmetry of the preputial field and the shape of the endophallus, we retain their specific status contrary to Deuve's (1994) opinion. The treatment accepted here is reinforced due to the fact that the representatives of two lineages, *mellyi - martviliensis* and *ibericus - lafertei*, are separated in Racha Mts solely by the Dzhodzhora River valley, therewith displaying no evident tendencies toward intermediate characters (I. Belousov) .

= *manderstjernae (Carabus calleyi, syn.)* MOTSCHULSKY 1852
= *araxenus (Carabus calleyi, syn.)* KHNZORIAN 1976
ssp. ***renardi (Carabus calleyi, ssp.)*** CHAUDOIR 1846 --------I----------
= *procrustoides (Carabus calleyi, syn.)* LAPOUGE 1909
ssp. ***nigrinus (Carabus calleyi, ssp.)*** MOTSCHULSKY 1865 --------IJ---------- IcJ
269 ***prasinescens (Carabus)*** DEUVE 1994 ---------J----------
= *prasinus (Carabus)* MÉNÉTRIÉS 1832
= *thermarum (Carabus)* MOTSCHULSKY 1850

Subgenus ***Procrustes*** BONELLI 1809

Type species: *Carabus coriaceus* LINNAEUS 1758

= *Macrogenus* MOTSCHULSKY 1846

Type species: *Carabus clypeatus* ADAMS 1817

270 ***coriaceus (Carabus)*** LINNAEUS 1758 ABCD----------
ssp. ***coriaceus (Carabus coriaceus, ssp.)*** LINNAEUS 1758 -BC----------
= *cordicollis (Carabus coriaceus, syn.)* MOTSCHULSKY 1865
= *gracilis (Carabus coriaceus, syn.)* DEPOLI 1929
= *punctulatus (Carabus coriaceus, syn.)* VOET 1778
= *angusticollis (Carabus coriaceus, syn.)* MOTSCHULSKY 1859
= *sublineatus (Carabus coriaceus, syn.)* GÉHIN 1885
= *tauricus (Carabus coriaceus, syn.)* GANGLBAUER 1888
= *altercoriaceus (Carabus coriaceus, syn.)* KOLBE 1925
= *occidentalis (Carabus coriaceus, syn.)* BORN 1907
= *pueli (Carabus coriaceus, syn.)* LAPOUGE 1909
= *cansiglianus (Carabus coriaceus, syn.)* BERNAU 1914
= *italicus (Carabus coriaceus, syn.)* LAPOUGE 1924
= *italianus (Carabus coriaceus, syn.)* CSIKI 1927 [nom. pro *italicus* LAPOUGE 1924]
= *holoradiatus (Carabus coriaceus, syn.)* RAYNAUD 1966
= *alaricus (Carabus coriaceus, syn.)* MEYER 1990
ssp. ***rugifer (Carabus coriaceus, ssp.)*** KRAATZ 1877 A--D----------
= *rugulosus (Carabus coriaceus, syn.)* GANGLBAUER 1888
= *testis (Carabus coriaceus, syn.)* LAPOUGE 1909
271 ***clypeatus (Carabus)*** ADAMS 1817 ------GH----------
ssp. ***clypeatus (Carabus clypeatus, ssp.)*** ADAMS 1817 ------GH----------
= *caucasicus (Carabus clypeatus, syn.)* GÉHIN 1866
ssp. ***abchasicus (Carabus clypeatus, ssp.)*** MOTSCHULSKY 1850 ------G----------
= *fischeri (Carabus clypeatus, syn.)* FALDERMANN 1835
= *rectoimpressus (Carabus clypeatus, syn.)* MOTSCHULSKY 1850
272 ***chevrolati (Carabus)*** CRISTOFORIS et JAN 1837
= *assimilis (Carabus chevrolati, syn.)* CRISTOFORIS et JAN 1837
= *persimilis (Carabus chevrolati, syn.)* CSIKI 1927 [nom. pro *assimilis* CRISTOFORIS et JAN 1837]
ssp. ***thirki (Carabus chevrolati, ssp.)*** CHAUDOIR 1857 -------HI---------- Hc: the westermost parts
= *orientalis (Carabus chevrolati, syn.)* REITTER 1896
= *wiedemanni (Carabus chevrolati, syn.)* CRISTOFORIS et JAN 1837
= *surejae (Carabus chevrolati, syn.)* CSIKI 1927 [nom. pro *wiedmanni* GAUTIER 1868]
= *korbi (Carabus chevrolati, syn.)* BREUNING 1936
= *chauvelotti (Carabus chevrolati, syn.)* BREUNING et RUSPOLI 1977
273 ***talyshensis (Carabus)*** MÉNÉTRIÉS 1832 ---------J----------
= *elongatus (Carabus)* MOTSCHULSKY 1859

Subgenus ***Goniocarabus*** GÉHIN 1885

Type species: *Carabus sogdianus* SEMENOV 1898

= *Alagocarabus* A.MORAWITZ 1886

Type species: *Carabus caerulans* A.MORAWITZ 1886

= *Acarabus* SEMENOV 1890

Type species: *Carabus grombczewskii* SEMENOV 1891

= *Goniognathus* KRAATZ 1883

Type species: *Carabus gracilis* KRAATZ 1883

274 ***caerulans (Carabus)*** A.MORAWITZ 1886 ----------S------- Scd: Karateghin Mt.R.
= *banghaasi (Carabus)* REITTER 1895
= *oschanini (Carabus)* SEMENOV 1896
= *banghaasi (Carabus)* sensu KRYZHANOVSKIJ 1953 [non REITTER 1895]
275 ***gussakowskii (Carabus)*** KRYZHANOVSKIJ 1971 ----------S------- Sc: central part of Hissarsky Mt.R.
276 ***grombczewskii (Carabus)*** SEMENOV 1891 ----------S------- Scd: Peter-the-Great Mt.R.
ssp. ***grombczewskii (Carabus grombczewskii, ssp.)*** SEMENOV 1891 ----------S------- Scd
= *emmerichi (Carabus grombczewskii, syn.)* REITTER 1895
= *scheubeli (Carabus grombczewskii, syn.)* MANDL 1955
ssp. ***crassecostulatus (Carabus grombczewskii, ssp.)*** DEUVE 1991 ----------S------- Scd
ssp. ***michailovianus (Carabus grombczewskii, ssp.)*** DEUVE et DOLIN 1993 ----------S------- Scd
277 ***sogdianus (Carabus)*** SEMENOV 1898 ----------S------- Sc: Zeravshansky Mt.R.: Lake Marguzor
= *gracilis (Carabus)* KRAATZ 1883
278 ***stackelbergi (Carabus)*** KRYZHANOVSKIJ 1971 ----------S------- Sc: W Hissarsky Mt.R.: basin of Tupalang Riv.
= *sogdianus (Carabus)* KRYZHANOVSKIJ 1953 (part.)
279 ***tadzhikistanus (Carabus)*** KRYZHANOVSKIJ 1968 ----------S------- Se

Subgenus ***Deroplectes*** REITTER 1895

Type species: *Carabus sphinx* REITTER 1895

280 ***arcanus (Carabus)*** SEMENOV 1898 ----------S------- Sc
ssp. ***arcanus (Carabus arcanus, ssp.)*** SEMENOV 1898 ----------S------- Sc: Zeravshansky Mt.R.: Lake Marguzor
= *concinnus (Carabus arcanus, syn.)* SEMENOV 1888
ssp. ***hissarianus (Carabus arcanus, ssp.)*** SEMENOV 1900 ----------S------- Sc: Hissarsky Mt.R.
281 ***coiffaitianus (Carabus)*** DEUVE 1990 ----------S-------
= *klapperichianus (Carabus)* auct. [non MANDL 1955]
282 ***dardazicus (Carabus)*** DEUVE 1990 ----------S------- Sd: Darvazsky Mt.R.
283 ***sphinx (Carabus)*** REITTER 1895 ----------S-------
ssp. ***sphinx (Carabus sphinx, ssp.)*** REITTER 1895 ----------S-------
ssp. ***pseudocoiffaitianus (Carabus sphinx, ssp.)*** DEUVE 1990 ----------S-------
= *omphreodes (Carabus sphinx, syn.)* auct. [non REITTER 1898]

Subgenus ***Plesius*** SEMENOV 1905
Type species: *Carabus staudingeri* GANGLBAUER 1886
= *Paraplesius* A.MORAWITZ 1886
Type species: *Carabus staudingeri* GANGLBAUER 1886

284 ***staudingeri (Carabus)*** GANGLBAUER 1886 ----------S------- Sca
285 ***dokhtouroffi (Carabus)*** GANGLBAUER 1886 ----------S------- Sd
ssp. ***dokhtouroffi (Carabus dokhtouroffi, ssp.)*** GANGLBAUER 1886 ----------S-------
= *midas (Carabus dokhtouroffi, syn.)* REITTER 1896 ----------S-------
= *ilseanus (Carabus dokhtouroffi, syn.)* MANDL 1955
ssp. ***pseudomidas (Carabus dokhtouroffi, ssp.)*** MANDL 1967 ----------S-------
= *laevimidas (Carabus dokhtouroffi, syn.)* DEUVE 1990 ----------S-------
ssp. ***darvazensis (Carabus dokhtouroffi, ssp.)*** DEUVE 1990 ----------S-------
286 ***proserpina (Carabus)*** MANDL 1955 ----------S-------

Subgenus ***Axinocarabus*** A.MORAWITZ 1886
Type species: *Carabus melanochrus* A.MORAWITZ 1886

287 ***fedtschenkoi (Carabus)*** SOLSKY 1874 ----------S-------
ssp. ***fedtschenkoi (Carabus fedtschenkoi, ssp.)*** SOLSKY 1874 ----------S-------
= *parumpunctatus (Carabus fedtschenkoi, syn.)* SEMENOV 1898
ssp. ***melanochrus (Carabus fedtschenkoi, ssp.)*** A.MORAWITZ 1886 ----------S------- Se
ssp. ***kondarensis (Carabus fedtschenkoi, ssp.)*** KRYZHANOVSKIJ 1953 ----------S------- Sc: central part of Hissarsky Mt.R.
ssp. ***kugitangensis (Carabus fedtschenkoi, ssp.)*** DEUVE et KALAB 1994 ----------S------- Sc: Kuhitangtau Mt.R.
288 ***miles (Carabus)*** SEMENOV 1887 ----------PQ--------- Qd: Badhkyz

Subgenus ***Coptolabrus*** SOLIER 1848
Type species: *Carabus smaragdinus* FISCHER von WALDHEIM 1823
= *Eocarabus* SEMENOV 1898
Type species: *Carabus jankowskii* OBERTHÜR 1883
= *Coptolabrulus* REITTER 1897
Type species: *Carabus pustulifer* LUCAS 1869
= *Eucoptolabrus* SEMENOV 1898
Type species: *Carabus gemmifer* FAIRMAIRE 1887
= *Nescocoptolabrus* LAPOUGE 1930
Type species: *Carabus fruhstorferi* ROESCHKE 1900

289 ***jankowskii (Carabus)*** OBERTHÜR 1883 ----------Y-
290 ***smaragdinus (Carabus)*** FISCHER von WALDHEIM 1823 ----------Y- Yd: Black Mts
ssp. ***smaragdinus (Carabus smaragdinus, ssp.)*** FISCHER von WALDHEIM 1823 ----------V--Y- Vab
= *paschkovensis (Carabus smaragdinus, syn.)* G.HAUSER 1921
ssp. ***mandschuricus (Carabus smaragdinus, ssp.)*** SEMENOV 1898[217] ----------Y-
= *steinwehri (Carabus smaragdinus, syn.)* G.HAUSER 1932
= *pyrrhophorus (Carabus smaragdinus, syn.)* KRAATZ 1889
= *pyroclopus (Carabus smaragdinus, syn.)* KRAATZ 1878
= *costulatus (Carabus smaragdinus, syn.)* KRAATZ 1889
= *major (Carabus smaragdinus, syn.)* KRAATZ 1887
= *dohrni (Carabus smaragdinus, syn.)* KRAATZ 1887
ssp. ***ussuricus (Carabus smaragdinus, ssp.)*** BORN 1914 ----------Y-
ssp. ***coreicus (Carabus smaragdinus, ssp.)*** G.HAUSER 1921 ----------Y- Yd

Subgenus ***Damaster*** KOLLAR 1836
Type species: *Carabus blaptoides* KOLLAR 1836
= *Adamaster* REITTER 1896
Type species: *Carabus rugipennis* MOTSCHULSKY 1861

291 ***rugipennis (Carabus)*** MOTSCHULSKY 1861 ----------Z Zb
= *auricollis (Carabus)* H.BATES 1867
= *anurus (Carabus)* SEMENOV 1898

Subgenus ***Procerus*** DEJEAN 1826
Type species: *Carabus scabrosus* FABRICIUS 1801 [= *C.gigas* CREUTZER 1799]

292 ***scabrosus (Carabus)*** OLIVIER 1795
ssp. ***tauricus (Carabus scabrosus, ssp.)*** BONELLI 1811 ----E----------
f. *aeneus (Carabus scabrosus, f.)* MOTSCHULSKY 1850 ----E----------
f. *viridissimus (Carabus scabrosus, f.)* KRAATZ 1876 ----E----------
f. *nigritulus (Carabus scabrosus, f.)* KRAATZ 1876 ----E----------
= *obscurus (Carabus scabrosus, syn.)* GÉHIN 1885
f. *purpureus (Carabus scabrosus, f.)* KRAATZ 1876 ----E----------
293 ***caucasicus (Carabus)*** ADAMS 1817[218] -----FGHI----------
ssp. ***caucasicus (Carabus caucasicus, ssp.)*** ADAMS 1817 -----FG----------
= *tuberculosus (Carabus caucasicus, syn.)* GÉHIN 1885
? *armenius (Carabus caucasicus, syn.)* ZAITZEV 1930 -------H----------
ssp. ***colchicus (Carabus caucasicus, ssp.)*** MOTSCHULSKY 1844 ------GH----------
ssp. ***shavsheticus (Carabus caucasicus, ssp.)*** ZAITZEV 1928 -------H----------

Subgenus ***Eupachys*** CHAUDOIR 1857
Type species: *Carabus glyptopterus* FISCHER von WALDHEIM 1827
294 ***glyptopterus (Carabus)*** FISCHER von WALDHEIM 1827 ----------T-V---- TgVcd

Subgenus ***Lipaster*** MOTSCHULSKY 1865
Type species: *Carabus stjernvalli* MANNERHEIM 1830
= *Lamprocarabus* THOMSON 1875
Type species: *Carabus humboldti* FALDERMANN 1835
= *Titanocechenus* BREUNING et RUSPOLI 1970
Type species: *Carabus osellai* BREUNING et RUSPOLI 1970

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217 It appears impossible to draw any distinct differences between the subspecies *mandschuricus* Sem. and *ussuricus* Born due to a gradual transition observed from one form to the other. The largest and most brightly colored individuals occur in the S part of Sikhote-Alin Mts (V. Shilenkov) .

218 The species populates also the SE part of the Zanguezur Sytem, especially the Megri Mt. Range. Cavazutti (1989) seems to have been unaware of this obviously isolated part of the range (I. Belousov) .

295 ***gordius (Carabus)*** REITTER 1898 -------H------------------ Hb
= *osellai (Carabus)* BREUNING et RUSPOLI 1970
296 ***stjernvalli (Carabus)*** MANNERHEIM 1830 ------GH------------------
= *boschniaki (Carabus)* FALDERMANN 1836
= *latisi (Carabus)* BREUNING et RUSPOLI 1974 Batumi
= *gvalijai (Carabus)* RETEZAR 1992 Borzhomi
= *raddeanus (Carabus)* SCHAUFUSS 1882
= *purpureoviolaceus (Carabus)* MACHARD 1979
= *metzleri (Carabus)* MANDL 1955
= *posofensis (Carabus)* AUVRAY 1994
ssp. ***stjernvalli (Carabus stjernvalli, ssp.)*** MANNERHEIM 1830 -------H------------------
ssp. ***humboldti (Carabus stjernvalli, ssp.)*** FALDERMANN 1836 ------G-------------------
= *bartolomaei (Carabus stjernvalli, syn.)* MOTSCHULSKY 1852
= *enops (Carabus stjernvalli, syn.)* SCHAUFUSS 1882
ssp. ***tabackuriensis (Carabus stjernvalli, ssp.)*** NOVOTNY et VORISEK 1988 ------G-------------------
ssp. ***bogatshevi (Carabus stjernvalli, ssp.)*** ZAMOTAILOV 1989 ------G-------------------

Tribe *CYCHRINI*

Genus ***Cychrus*** FABRICIUS 1774

Type species: *Carabus rostratus* FABRICIUS 1775 [= *C.caraboides* LINNAEUS 1758]

1 ***aeneus (Cychrus)*** FISCHER von WALDHEIM 1824 ------G-------------------
ssp. ***aeneus (Cychrus aeneus, ssp.)*** FISCHER von WALDHEIM 1824 ------G-------------------
= *granulatus (Cychrus)* MOTSCHULSKY 1850
ssp. ***starcki (Cychrus aeneus, ssp.)*** REITTER 1888 ------GH------------------ west Caucasian
var. *ballionis (Cychrus aeneus, var.)* RETOWSKI 1888 mainly at lower altitudes
var. *rosti (Cychrus aeneus, var.)* ROESCHKE 1907
ssp. ***anatolicus (Cychrus aeneus, ssp.)*** MOTSCHULSKY 1865 -------H------------------ env. Batumi
2 ***signatus (Cychrus)*** FALDERMANN 1836 -------H------------------ HbGb4
3 ***attenuatus (Cychrus)*** FABRICIUS 1792 A------------------------ W part of Ukrainian Carpathians
= *proboscideus (Cychrus)* OLIVIER 1795
= *picipes (Cychrus)* HERBST 1806
4 (***caraboides (Cychrus)*** LINNAEUS 1758) ABCD------K---------------
= *rostratus (Cychrus)* FABRICIUS 1775
= *pygmaeus (Cychrus)* CHAUDOIR 1837
5 ***semigranosus (Cychrus)*** PALLIARDI 1825 A--D---------------------- Ukraine (W of Dnepr Riv.) , Carpathians
6 ***koltzei (Cychrus)*** ROESCHKE 1907 ------------------------Y- Primorie (southern Iman Riv.)
= *convexus (Cychrus)* BERGROTH 1888
7 ***morawitzi (Cychrus)*** GÉHIN 1863 -------------------------Z S Sakhalin, S Kuriles
= *convexus (Cychrus)* A.MORAWITZ 1863

Supertribe *ELAPHRITAE*

Tribe *ELAPHRINI*

Genus ***Diacheila*** MOTSCHULSKY 1845

Type species: *Harpalus arcticus* GYLLLENHAL 1810

= *Diachila* auct.

= *Arctobia* THOMSON 1859

Type species: *Harpalus arcticus* GYLLLENHAL 1810

1 (***arctica (Diacheila)*** GYLLLENHAL 1810) -B--------K---------TUVWXY-
ssp. (***arctica (Diacheila arctica, ssp.)*** GYLLLENHAL 1810) -B--------K---------U-----
ssp. (***amoena (Diacheila arctica, ssp.)*** FALDERMANN 1835) -------------------TUVWXY-
= *subpolaris (Diacheila arctica, syn.)* LECONTE 1863
2 ***fausti (Diacheila)*** HEYDEN 1887 -----------------R-------- Rbcd
3 (***polita (Diacheila)*** FALDERMANN 1835) -B--------K---------UVWXYZ

Genus ***Blethisa*** BONELLI 1810

Type species: *Carabus multipunctatus* LINNAEUS 1758

= *Helobium* LEACH 1815

Type species: *Carabus multipunctatus* LINNAEUS 1758

= *Rhaphiona* FISCHER von WALDHEIM 1825

Type species: *Blethisa eschscholtzi* ZOUBKOFF 1829

1 ***catenaria (Blethisa)*** BROWN 1944 ----------K---------U-WX--
2 ***eschscholtzi (Blethisa)*** ZOUBKOFF 1829 ---D---------NO-----------
= *foveata (Blethisa)* GEBLER 1830
= *victor (Blethisa)* FISCHER von WALDHEIM 1842
3 (***multipunctata (Blethisa)*** LINNAEUS 1758) -BC-------KLMNO----TUVWXYZ
ssp. (***multipunctata (Blethisa multipunctata, ssp.)*** LINNAEUS 1758) -BC-------KLMNO----TUVW---
= *chlorotica (Blethisa multipunctata, syn.)* DALLA TORRE 1877
= *aerosa (Blethisa multipunctata, syn.)* DALLA TORRE 1877
= *rufipes (Blethisa multipunctata, syn.)* DALLA TORRE 1877
= *curtula (Blethisa multipunctata, syn.)* MOTSCHULSKY 1844
ssp. ***aurata (Blethisa multipunctata, ssp.)*** FISCHER von WALDHEIM 1828 ----------------------WXYZ
= *hudsonica (Blethisa multipunctata, syn.)* CASEY 1924
4 ***tuberculata (Blethisa)*** MOTSCHULSKY 1844 -------------------T-V---- TfVab

Genus ***Elaphrus*** FABRICIUS 1775

Type species: *Cicindela riparia* LINNAEUS 1758

Subgenus ***Arctelaphrus*** SEMENOV 1926

Type species: *Elaphrus lapponicus* GYLLLENHAL 1810

1 ***lapponicus (Elaphrus)*** GYLLLENHAL 1810 -B--------K--------TUVWXY- Td
= *elongatus (Elaphrus)* FISCHER von WALDHEIM 1828

Subgenus ***Neoelaphrus*** HATCH 1951
Type species: *Elaphrus uliginosus* FABRICIUS 1775

2 ***splendidus (Elaphrus)*** FISCHER von WALDHEIM 1828 ----------TUVWXY-
= *splendidulus (Elaphrus)* MOTSCHULSKY 1850
3 ***japonicus (Elaphrus)*** UÉNO 1954 ----------Y-
4 ***uliginosus (Elaphrus)*** FABRICIUS 1775 ABCD--G---K-MNO--RST------
= *impressifrons (Elaphrus)* CHAUDOIR 1842
= *laevisculptus (Elaphrus)* BÄNNINGER 1919
5 ***sibiricus (Elaphrus)*** MOTSCHULSKY 1844 ----------M------TUVW-YZ
= *dauricus (Elaphrus)* A.MORAWITZ 1862
6 ***cupreus (Elaphrus)*** DUFTSCHMID 1812 ABCD--G---KLMNO--R-TUV----

Subgenus ***Elaphrus*** FABRICIUS 1775
Type species: *Cicindela riparia* LINNAEUS 1758

7 ***hypocrita (Elaphrus)*** SEMENOV 1926 ---D-F-------NO--R--------
8 ***comatus (Elaphrus)*** GOULET 1983 ----------Y-
9 ***parviceps (Elaphrus)*** VAN DYKE 1925 ----------WX-- Commander Isl.
10 (***riparius (Elaphrus)*** LINNAEUS 1758) ABCD-FG---KLMNO--R-TUVWXYZ
= *dilaticollis (Elaphrus)* R.F.SAHLBERG 1844
= *violaceomaculatus (Elaphrus)* MOTSCHULSKY 1844
= *baschkiricus (Elaphrus)* MOTSCHULSKY 1844
= *latiusculus (Elaphrus)* MOTSCHULSKY 1850
11 ***tuberculatus (Elaphrus)*** MÄKLIN 1877 -B--------K--------TUVWX--
= *latipennis (Elaphrus)* J.SAHLBERG 1880
= *trossulus (Elaphrus)* SEMENOV 1904 **Syn. nov.**[219]

Subgenus ***Elaphroterus*** SEMENOV 1895
Type species: *Elaphrus aureus* P.MÜLLER 1821
= *Elaphrotatus* SEMENOV 1895
Type species: *Elaphrus punctatus* MOTSCHULSKY 1846

12 ***punctatus (Elaphrus)*** MOTSCHULSKY 1846 ----------TUVW-Y-
13 ***aureus (Elaphrus)*** P.MÜLLER 1821 A--D-FG----------
ssp. ***aureus (Elaphrus aureus, ssp.)*** P.MÜLLER 1821 A--D----------
= *littoralis (Elaphrus aureus, syn.)* DEJEAN 1826
= *smaragdulus (Elaphrus aureus, syn.)* REITTER 1887
ssp. ***tschitscherini (Elaphrus aureus, ssp.)*** SEMENOV 1897 -----FG---------- only N macroslope of the Caucasus Major
14 ***ulrichi (Elaphrus)*** L.REDTENBACHER 1842 A----------
15 ***angusticollis (Elaphrus)*** R.F.SAHLBERG 1844 --CD------KL-------TU-WXYZ
ssp. ***angusticollis (Elaphrus angusticollis, ssp.)*** R.F.SAHLBERG 1844 --CD----------
= *angustus (Elaphrus angusticollis, syn.)* CHAUDOIR 1850
ssp. ***longicollis (Elaphrus angusticollis, ssp.)*** J.SAHLBERG 1880 ----------KL-------TU-WXYZ
= *jakowlewi (Elaphrus angusticollis, syn.)* SEMENOV 1895

Supertribe *LORICERITAE*

Tribe *LORICERINI*

Genus ***Loricera*** LATREILLE 1802
Type species: *Carabus pilicornis* FABRICIUS 1775
= *Lorocera* auct.

Subgenus ***Loricera*** LATREILLE 1802
Type species: *Carabus pilicornis* FABRICIUS 1775

1 (***pilicornis (Loricera)*** FABRICIUS 1775) ABCD------KLMN---R-TUVWXYZ Rab
= (*caerulescens (Loricera)* auct. non LINNAEUS 1758)
= *neoscotica (Loricera)* LECONTE 1863
ssp. (***pilicornis (Loricera pilicornis, ssp.)*** FABRICIUS 1775) ABCD------KLMN---R-TUVWX--
ssp. ***congesta (Loricera pilicornis, ssp.)*** MANNERHEIM 1853 ----------YZ

Supertribe *SIAGONITAE*

Tribe *SIAGONINI*

Genus ***Siagona*** LATREILLE 1804
Type species: *Cucujus rufipes* FABRICIUS 1192

1 ***europaea (Siagona)*** DEJEAN 1826 -----FGHI------P--S------- GcHc

Tribe *CYMBIONOTINI*

Genus ***Cymbionotum*** BAUDI 1864
Type species: *Cymbionotum schuppeli* DEJEAN 1825
= *Graniger* auct. *Graniger* auct. [non MOTSCHULSKY 1864]

1 ***pictulum (Cymbionotum)*** H.BATES 1874 --------I------P----------
2 (***semelederi (Cymbionotum)*** CHAUDOIR 1861) --------I------P--S-------
3 ***transcaspicum (Cymbionotum)*** SEMENOV 1890 ----------P----------
? *striatum (Cymbionotum)* REITTER 1894

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219 Originally, *E. trossulus* Sem. has been described from W. Mongolia. Goulet (1983) refers to the taxon as a presumable synonym of *E. riparius* L. A study of materials deriving from the montane regions of West Siberia and a re-examination of Semenov's types has revealed that *E. trossulus* Sem. = *E. tuberculatus* Mäkl. Hence we face a typically boreo-alpine distribution pattern (V. Shilenkov) .

Supertribe *SCARITITAE*

Tribe *SCARITINI*

Genus ***Scarites*** FABRICIUS 1775

Type species: *Scarites subterraneus* FABRICIUS 1775

Subgenus ***Distichus*** MOTSCHULSKY 1857

Type species: *Scarites planus* BONELLI 1813

= *Dischistus* PORTEVIN 1929 [incorr. emend.]

1 ***planus (Scarites)*** BONELLI 1813 -----FGHI------PQ-S-------
= *sexpunctatus (Scarites)* MÉNÉTRIÉS 1832 [non CHAUDOIR 1828]
= *punctatostriatus (Scarites)* L.REDTENBACHER 1843
= *nitidus (Scarites)* DEJEAN 1831

Subgenus ***Scarites*** FABRICIUS 1775

Type species: *Scarites subterraneus* FABRICIUS 1775

= *Parallelomorphus* MOTSCHULSKY 1849

Type species: *Scarites laevigatus* FABRICIUS 1792

2 ***angustus (Scarites)*** CHAUDOIR 1855 -----F---------P----------
= *subcylindricus (Scarites)* SOLSKY 1874 [non CHAUDOIR 1843]
3 ***cylindronotus (Scarites)*** FALDERMANN 1836 ---------------P---------- Including Pa
4 ***eurytus (Scarites)*** FISCHER von WALDHEIM 1825 -------HI------P--S-------
= *bucerdo (Scarites)* MÉNÉTRIÉS 1832
= *exasperatus (Scarites)* KLUG 1832
= *laetus (Scarites)* FALDERMANN 1836
= *oblongus (Scarites)* CHAUDOIR 1843
= *chaudoiri (Scarites)* BALLION 1871
5 ***laevigatus (Scarites)*** FABRICIUS 1792 ---D-FGH------------------ Ga1: the westermost part, mainly coast
= *litoralis (Scarites)* CREUTZER 1799
= *sabulosus (Scarites)* OLIVIER 1795
= *tauricus (Scarites)* CHAUDOIR 1837
6 ***salinus (Scarites)*** DEJEAN 1859 ---D-F--I----NOP--S-------
= *sabuleti (Scarites)* FISCHER von WALDHEIM 1828
= *fischeri (Scarites)* ZOUBKOFF 1833
= *parallelogrammus (Scarites)* MOTSCHULSKY 1844
= *impressicollis (Scarites)* ZOUBKOFF 1837
= *motschulskyi (Scarites)* CHAUDOIR 1855
= *reitteri (Scarites)* KOENIG 1904
7 ***subcylindricus (Scarites)*** CHAUDOIR 1843 ---------------PQ--------- including Pa
= *semicylindricus (Scarites)* FLEISCHER et REITTER 1899
= *longipennis (Scarites)* CHAUDOIR 1855
8 ***terricola (Scarites)*** BONELLI 1813 ---DEFGHI----NOP-RST----Y-
ssp. ***terricola (Scarites terricola, ssp.)*** BONELLI 1813 ---DEFGHI----NOP-RST------
= *arenarius (Scarites terricola, syn.)* BONELLI 1813
= *volgensis (Scarites terricola, syn.)* FISCHER von WALDHEIM 1826
ssp. ***coreanus (Scarites terricola, ssp.)*** KOLBE 1886 ------------------------Y-
? *pacificus (Scarites terricola, syn.)* H.BATES 1873

Subgenus ***Scallophorites*** MOTSCHULSKY 1857

Type species: *Scarites buparius* FORSTER 1771

9 ***basiplicatus (Scarites)*** HEYDEN 1884 ------------------S-------
= *heydeni (Scarites)* SEMENOV 1890
= *sequensi (Scarites)* REITTER 1899
= *fleischeri (Scarites)* REITTER 1899
10 ***bucida (Scarites)*** PALLAS 1776 ---D-F---------P---------- Dd: Lake Baskunchak
= *interruptus (Scarites)* FISCHER von WALDHEIM 1826
= *grandis (Scarites)* FISCHER von WALDHEIM 1828
= *bulimus (Scarites)* MOTSCHULSKY 1850
= *bucculentus (Scarites)* REITTER 1899
= *platynotus (Scarites)* FISCHER von WALDHEIM 1828
11 ***turkestanicus (Scarites)*** HEYDEN 1884 ---------------P---------- Rf: sandy areas of Fergana Valley

Tribe *CLIVININI*

Genus ***Clivina*** LATREILLE 1802

Type species: *Tenebrio fossor* LINNAEUS 1758

1 (***collaris (Clivina)*** HERBST 1784) ABCD-FG-------O--R--------
= (*contracta (Clivina)* FOURCROY 1785)
= *discipennis (Clivina)* DEJEAN 1825
= *brunnea (Clivina)* LETZNER 1852
= *flavescens (Clivina)* LETZNER 1852
= *rufifrons (Clivina)* LETZNER 1852
= *picea (Clivina)* DALLA TORRE 1877
= *rubira (Clivina)* DALLA TORRE 1877
= *testacea (Clivina)* DALLA TORRE 1877
2 (***fossor (Clivina)*** LINNAEUS 1758) ABCDEFGHIJKLMNO--RSTUVWXYZ
= (*arenaria (Clivina)* FABRICIUS 1792)
= *ovipennis (Clivina)* CHAUDOIR 1846
= *infuscata (Clivina)* CHAUDOIR 1846
ab. *pseudocollaris (Clivina fossor, ab.)* BARSEVSKIS 1993 -B------------------------
3 ***laevifrons (Clivina)*** CHAUDOIR 1842 ---D-F--IJ-----P---------- Pa: S part
= *subcylindrica (Clivina)* PEYRON 1858
4 ***ypsilon (Clivina)*** DEJEAN 1829 ---DEF--I----NOPQRS-------

Genus ***Coryza*** PUTZEYS 1866

Type species: *Clivina maculata* NIETNER 1856

1 ***carinifrons (Coryza)*** REITTER 1900 ----------O---S-------

Genus ***Orientoreicheia*** BULIRSCH et H¬RKA 1994

Type species: *Reicheia caucasica* FLEISCHER 1921

1 (***caucasica (Orientoreicheia)*** FLEISCHER 1921) ------G----------
ssp. (***caucasica (Orientoreicheia caucasica, ssp.)*** FLEISCHER 1921) ------G---------- Ga3
ssp. ***rousi (Orientoreicheia caucasica, ssp.)*** BULIRSCH et H¬RKA 1994 ------G---------- Ga3: Abkhazia, Lake Amtkel

Tribe *DYSCHIRIINI*

Genus ***Dyschirius*** BONELLI 1810

Type species: *Scaritet thoracicus* ROSSI 1790
= *Dyschiridius* sensu JEANNEL 1941

The ***'humeratus'*** species group

1 ***caspius (Dyschirius)*** PUTZEYS 1866 ---D-F--------OP---------- sea coast, halophile
= *cumanus (Dyschirius)* LUTSHNIK 1921
= *ponticus (Dyschirius)* LUTSHNIK 1921
ssp. ***caspius (Dyschirius caspius, ssp.)*** PUTZEYS 1866 ---D-FG--------P---------- FbGcPabe: only coast
ssp. ***temirensis (Dyschirius caspius, ssp.)*** FEDORENKO 1994 ----------O----------
2 ***fulgidus (Dyschirius)*** MOTSCHULSKY 1850 ----------MNO----T------ T: Khakassia
= *horni (Dyschirius)* JEDLIªKA 1928
= *jureceki (Dyschirius)* JEDLIªKA 1928
= *caspius (Dyschirius)* auct. [non PUTZEYS 1866]
3 ***fossifrons (Dyschirius)*** PUTZEYS 1866 ----------T-V----
= *melanoxantus (Dyschirius)* KRYZHANOVSKIJ et GRYUNTAL 1984
= *baicalensis (Dyschirius)* auct. [non MOTSCHULSKY 1844]
4 ***sevanensis (Dyschirius)*** KHNZORIAN 1962 -------HI---------- HcIa: coast of Lake Sevan
5 ***kirghizicus (Dyschirius)*** FEDORENKO 1994 ----------R-------- Rb: beach of Lake Issyk-Kul
6 (***digitatus (Dyschirius)*** DEJEAN 1825) A---------- sandy banks of mountainous rivers
7 ***humeratus (Dyschirius)*** CHAUDOIR 1850 ---DEF--------OPQ---------
8 ***ganglbaueri (Dyschirius)*** ZNOJKO 1927 ----------OPQ-ST------
= *therondi (Dyschirius)* PUEL 1929
= *mongolicus (Dyschirius)* KULT 1949
= *lindemannae (Dyschirius)* JEDLIªKA 1963
? *heyrovskyi (Dyschirius)* MA¿AN 1936
= *beludscha (Dyschirius)* sensu GRYUNTAL 1984 [non TSCHITSCHÉRINE 1904]
= *numidicus (Dyschirius)* sensu ANTOINE 1955 [non PUTZEYS 1866]
9 ***humiolcus (Dyschirius)*** CHAUDOIR 1850 [nom. pro *abbreviatus* CHAUDOIR 1846]------GHIJ----------
= *abbreviatus (Dyschirius)* CHAUDOIR 1846 [non PUTZEYS 1866]
= *hemiolcus (Dyschirius)* PUTZEYS 1866
10 ***baicalensis (Dyschirius)*** MOTSCHULSKY 1844 ----------UVW---
= *shantarensis (Dyschirius)* LAFER 1989
= *unicolor (Dyschirius)* sensu TSCHITSCHÉRINE 1904 [non MOTSCHULSKY 1844]
= *fossifrons (Dyschirius)* sensu GRYUNTAL 1984 [non PUTZEYS 1866]
ssp. ***baicalensis (Dyschirius baicalensis, ssp.)*** MOTSCHULSKY 1844 ----------UVW---
ssp. ***kaszabi (Dyschirius baicalensis, ssp.)*** JEDLIªKA 1968 ----------R--UV----
? *simplex (Dyschirius)* CHAUDOIR 1850
11 ***zimini (Dyschirius)*** ZNOJKO 1928 -----F---------P---------- coast of Caspian Sea
12 ***amphibolus (Dyschirius)*** J.MÜLLER 1922 ----------PQ---------
= *seistanus (Dyschirius)* ANDREWES 1929

The ***'arenosus'*** species group

13 (***obscurus (Dyschirius)*** GYLLLENHAL 1827) ABCD-F------MNO-----U-----
= *dilaticollis (Dyschirius)* FLEISCHER 1899
14 ***arenosus (Dyschirius)*** STEPHENS 1827 ABCDEF----------
= (*niger (Dyschirius)* AHRENS 1830)
= *riparius (Dyschirius)* MANNERHEIM 1844
= *septentrionalis (Dyschirius)* MOTSCHULSKY 1853
= *lapponicus (Dyschirius)* MANNERHEIM 1844
= *haemorroidalis (Dyschirius)* LETZNER 1851
= *nigropiceus (Dyschirius)* LETZNER 1851
= *brunneus (Dyschirius)* LETZNER 1851
= *striatus (Dyschirius)* DEJEAN 1825
? (*thoracicus (Dyschirius)* ROSSI 1790)

The ***'angustatus'*** species group

15 (***angustatus (Dyschirius)*** AHRENS 1830) ABCD----------
= *uliginosus (Dyschirius)* PUTZEYS 1846
= *sabulicola (Dyschirius)* LACORDAIRE 1835
= *pusillus (Dyschirius)* ERICHSON 1837 [non DEJEAN 1825]
= *rufiventris (Dyschirius)* LETZNER 1851
= *haemorroidalis (Dyschirius)* LETZNER 1851
= *subtilis (Dyschirius)* LETZNER 1851
= *jejunus (Dyschirius)* DAWSON 1854
= *rufilabris (Dyschirius)* MOTSCHULSKY 1864

Genus ***Dyschiriodes*** JEANNEL 1941

Type species: *Dyschirius punctatus* DEJEAN 1825
= *Dyschirius* sensu JEANNEL 1941

1 (***arnoldii (Dyschiriodes)*** GRYUNTAL 1984) ----------P-RS-------
2 (***bonelli (Dyschiriodes)*** PUTZEYS 1846) A-CD---------N----------
= (*grossepunctatus (Dyschiriodes)* FLEISCHER 1899)
3 (***ferganensis (Dyschiriodes)*** ZNOJKO 1931) --CD-F--I-----OPQRSTU-----
= (*jakuticus (Dyschiriodes)* ZNOJKO 1931)
ssp. (***ferganensis (Dyschiriodes ferganensis, ssp.)*** ZNOJKO 1931) --CD-FG-I-----OPQRSTU-----
4 ***globosus (Dyschiriodes)*** HERBST 1783 ABCDEFGHIJKLMNO--R--UVWX--
= *gibbus (Dyschiriodes)* FABRICIUS 1792
= (*rufus (Dyschiriodes)* LETZNER 1851)

	= (*flavescens (Dyschiriodes)* LETZNER 1851)	
	= *laevicollis (Dyschiriodes)* AHRENS 1830	
	= (*coerulescens (Dyschiriodes)* DALLA TORRE 1877)	
	= *minimus (Dyschiriodes)* AHRENS 1830	
	= (*remotus (Dyschiriodes)* MARSHAM 1802)	
	= (*maritimus (Dyschiriodes)* BOHEMANN 1844)	
	= (*ruficollis (Dyschiriodes)* KOLENATI 1845)	
	= (*rufithorax (Dyschiriodes)* LETZNER 1851)	
	= (*viridescens (Dyschiriodes)* DALLA TORRE 1877)	
	= (*rotundicollis (Dyschiriodes)* FALDERMANN 1849)	
	= (*tournieri (Dyschiriodes)* PUTZEYS 1866)	
5	(***lafertei (Dyschiriodes)*** PUTZEYS 1846)	A-CD-F------MN-----TU-----
	= (*pekinensis (Dyschiriodes)* KULT 1949)	
	= (*gracilis (Dyschiriodes)* HEER 1837)	
	= (*tokyoensis (Dyschiriodes)* NAKANE 1953)	
6	(***roubali (Dyschiriodes)*** MA¿AN 1938)	A----------
7	***rufipes (Dyschiriodes)*** DEJEAN 1825	-B-D-FG-------O----T------
8	(***abditus (Dyschiriodes)*** FEDORENKO 1993)	A----------
	= (*similis (Dyschiriodes)* GANGLBAUER 1896) [nom. praeocc.]	
9	(***syriacus (Dyschiriodes)*** PUTZEYS 1866)	--------I-----OPQ-S-------
	= (*semistriatus (Dyschiriodes)* FLEISCHER 1899) [non PETRI 1891]	
10	(***amurensis (Dyschiriodes)*** FEDORENKO 1991)	----------UV--Y-
11	(***ussuriensis (Dyschiriodes)*** FEDORENKO 1991)	----------Y-
12	(***hiogoensis (Dyschiriodes)*** H.BATES 1873)	----------Y-
	= (*batesi (Dyschiriodes)* ANDREWES 1926)	
	= (*orientalis (Dyschiriodes)* H.BATES 1873)	
13	(***impressifrons (Dyschiriodes)*** FEDORENKO 1993)	----------P----------
14	(***dimidiatus (Dyschiriodes)*** CHAUDOIR 1846)	---D-FGHI----------
	ssp. (***iranus (Dyschiriodes dimidiatus, ssp.)*** KULT 1946)	--------I----------
	ssp. (***dimidiatus (Dyschiriodes dimidiatus, ssp.)*** CHAUDOIR 1846)	---D-FGHI----------
	ssp. (***osseticus (Dyschiriodes dimidiatus, ssp.)*** FEDORENKO 1993)	-----FG----------
15	(***importunus (Dyschiriodes)*** SCHAUM 1857)	---D----I-----O----------
	= (*immarginatus (Dyschiriodes)* PUTZEYS 1866)	
16	(***ordinatus (Dyschiriodes)*** H.BATES 1873)	----------Y-
17	***nitidus (Dyschiriodes)*** DEJEAN 1825	ABCD-F------MNOPQRS-UVWXYZ
	ssp. ***nitidus (Dyschiriodes nitidus, ssp.)*** DEJEAN 1825	ABCD-F------MNOPQRS-UVWXY-
	= (*stenoderus (Dyschiriodes nitidus, syn.)* PUTZEYS 1873)	
	= (*inermis (Dyschiriodes nitidus, syn.)* CURTIS 1830)	
	= *thoracicus (Dyschiriodes nitidus, syn.)* DUFTSCHMID 1812	
	= (*niger (Dyschiriodes nitidus, syn.)* LETZNER 1851)	
	= (*rufiventris (Dyschiriodes nitidus, syn.)* LETZNER 1851)	
	= (*haemorroidalis (Dyschiriodes nitidus, syn.)* LETZNER 1851)	
	= (*seximpressus (Dyschiriodes nitidus, syn.)* REY 1903)	
	ssp. (***chivensis (Dyschiriodes nitidus, ssp.)*** FEDORENKO 1992)	----------P----------
18	(***impunctipennis (Dyschiriodes)*** DAWSON 1854)	-BCD--------M----------
	= (*inermis (Dyschiriodes)* DAWSON 1854)	
19	(***neresheimeri (Dyschiriodes)*** H.WAGNER 1915)	--CD-F----------
20	(***freyi (Dyschiriodes)*** JEDLI²KA 1958)	----------V---- Vd
21	(***longicollis (Dyschiriodes)*** MOTSCHULSKY 1844)	----------O----T-V--Y-
22	(***yezoensis (Dyschiriodes)*** H.BATES 1883)	----------YZ
23	(***lgockii (Dyschiriodes)*** FLEISCHER 1912)	----------P----------
24	(***alajensis (Dyschiriodes)*** ZNOJKO 1930)	----------P-RS-------
	= (*agnatus (Dyschiriodes)* auct. part.) [non MOTSCHULSKY 1844]	
	= (*turkmenicus (Dyschiriodes)* FEDORENKO 1989)	
25	(***agnatus (Dyschiriodes)*** MOTSCHULSKY 1844)	A--D-FGHI------P----------
	= (*lucidus (Dyschiriodes)* PUTZEYS 1866)	
	= (*obenbergeri (Dyschiriodes)* MA¿AN 1935)	
	= (*ovipennis (Dyschiriodes)* PUTZEYS 1866)	
	= (*makolskii (Dyschiriodes)* J.MÜLLER 1934)	
26	***politus (Dyschiriodes)*** DEJEAN 1825	ABCD-FG---K-MNOP-R-TU-WX--
	ssp. ***politus (Dyschiriodes politus, ssp.)*** DEJEAN 1825	ABCD-FG---KL-N-----TU-WX--
	= (*cylindricus (Dyschiriodes politus, syn.)* STEPHENS 1827) [non DEJEAN 1825]	
	= (*metallicus (Dyschiriodes politus, syn.)* AHRENS 1830)	
	= (*elongatus (Dyschiriodes politus, syn.)* AHRENS 1830)	
	= (*nigripes (Dyschiriodes politus, syn.)* DALLA TORRE 1877)	
	= (*irkutensis (Dyschiriodes politus, syn.)* FLEISCHER 1899)	
	= (*jenisseiensis (Dyschiriodes politus, syn.)* J.MÜLLER 1924)	
	ssp. (***meridianus (Dyschiriodes politus, ssp.)*** FEDORENKO 1992)	----------PQR--------
27	(***chalceus (Dyschiriodes)*** ERICHSON 1837)	--CD-F-------NOPQ---------
	= (*nitidus (Dyschiriodes)* SCHI¥DTE 1841)	
	= (*oblongus (Dyschiriodes)* PUTZEYS 1846)	
28	***aeneus (Dyschiriodes)*** DEJEAN 1825	ABCD-FGHI---MNOP-R-TUV--YZ
	ssp. ***aeneus (Dyschiriodes aeneus, ssp.)*** DEJEAN 1825	ABCD-FGH----MNO--R-TUV--YZ
	= (*ruthenus (Dyschiriodes aeneus, syn.)* MOTSCHULSKY 1849)	
	= (*tanaicensis (Dyschiriodes aeneus, syn.)* MOTSCHULSKY 1844)	
	= (*daimiellus (Dyschiriodes aeneus, syn.)* H.BATES 1873)	
	= (*paludosus (Dyschiriodes aeneus, syn.)* AHRENS 1830)	
	= (*gibbus (Dyschiriodes aeneus, syn.)* AHRENS 1830)	
	= (*aeratus (Dyschiriodes aeneus, syn.)* STEPHENS 1827)	
	= (*frigidus (Dyschiriodes aeneus, syn.)* MANNERHEIM 1853) [non FABRICIUS 1801]	
	= (*aereus (Dyschiriodes aeneus, syn.)* AHRENS 1830)	
	= (*ahenus (Dyschiriodes aeneus, syn.)* AHRENS 1830)	
	= (*niger (Dyschiriodes aeneus, syn.)* EVERTS 1918) [non FLEISCHER 1899]	
	= (*remotepunctatus (Dyschiriodes aeneus, syn.)* PUTZEYS 1866)	
	ssp. (***ovicollis (Dyschiriodes aeneus, ssp.)*** PUTZEYS 1873)	possible in Far East
	ssp. (***kouraensis (Dyschiriodes aeneus, ssp.)*** PUEL 1937)	--------I------P----------
29	(***apicalis (Dyschiriodes)*** PUTZEYS 1846)	---D---------NOP----------
30	(***fassatii (Dyschiriodes)*** KULT 1949)	----------UV--Y-
31	***cylindricus (Dyschiriodes)*** DEJEAN 1825	---D-F---J---NOPQ-S-------
	= (*ghilarovi (Dyschiriodes)* GRYUNTAL 1984)	
	= (*hauseri (Dyschiriodes)* FLEISCHER 1905)	

ssp. (***transilvanicus (Dyschiriodes cylindricus, ssp.)*** FLEISCHER 1905) ---D-F---J---NOPQ-S-------
= (*transcaspicus (Dyschiriodes cylindricus, syn.)* SEMENOV 1906)
= (*hauseri (Dyschiriodes)* FLEISCHER 1905)
32 ***pusillus (Dyschiriodes)*** DEJEAN 1825 ---D-F-------NOPQ-S--V---- Vd
= (*nanus (Dyschiriodes)* PUTZEYS 1866)
33 (***afghanus (Dyschiriodes)*** JEDLIªKA 1967)
34 (***scriptifrons (Dyschiriodes)*** FLEISCHER 1898) ---D---------NOP----------
35 (***laeviusculus (Dyschiriodes)*** PUTZEYS 1846) ABCD-F--------------------
= (*nodifrons (Dyschiriodes)* PENECKE 1914)
36 (***mesopotamicus (Dyschiriodes)*** J.MÜLLER 1922) ------G-I------PQRS-------
= (*sahlbergi (Dyschiriodes)* J.MÜLLER 1924)
= (*ladakensis (Dyschiriodes)* ANDREWES 1929)
37 (***luticola (Dyschiriodes)*** CHAUDOIR 1850) ---DEF-------NOPQRST------
ssp. (***luticola (Dyschiriodes luticola, ssp.)*** CHAUDOIR 1850) ---DEF-------NOPQ---------
ssp. (***reductus (Dyschiriodes luticola, ssp.)*** J.MÜLLER 1936) ------------NOPQRST------
38 (***macroderus (Dyschiriodes)*** CHAUDOIR 1850) ---D-F--------------------
39 (***morio (Dyschiriodes)*** PUTZEYS 1866) ------G-I------P----------
40 (***arcifer (Dyschiriodes)*** ZNOJKO 1928) ---------------PQ-S-------
41 (***euphraticus (Dyschiriodes)*** PUTZEYS 1846) --------I------P----------
42 (***persicus (Dyschiriodes)*** FEDORENKO 1994) ---------J----------
43 (***auriculatus (Dyschiriodes)*** WOLLASTON 1867) ---D-----------PQ---------
= (*mitodes (Dyschiriodes)* ANDREWES 1929)
= *tensicollis (Dyschiriodes)* MARSEUL 1880
= (*pseudoextensus (Dyschiriodes)* FLEISCHER 1899)
44 (***intermedius (Dyschiriodes)*** PUTZEYS 1846) A-CD--------M------------
= (*rufilabris (Dyschiriodes)* PUTZEYS 1846)
= (*similis (Dyschiriodes)* PETRI 1891)
= (*silvaticum (Dyschiriodes)* THOMSON 1859)
45 (***chalybeus (Dyschiriodes)*** PUTZEYS 1846) ---D-F-HI------PQ---------
ssp. (***gibbifrons (Dyschiriodes chalybeus, ssp.)*** APFELBECK 1899) ---D-F-HI------PQ---------
46 (***microthorax (Dyschiriodes)*** MOTSCHULSKY 1844) ---D-F--I-----OPQR-T------
= (*kalmyk (Dyschiriodes)* GRYUNTAL 1984)
= (*kasachstanicus (Dyschiriodes)* GRYUNTAL 1984)
= (*tuberculatus (Dyschiriodes)* GRYUNTAL 1984)
= (*turanicus (Dyschiriodes)* ZNOJKO 1928)
47 (***nigricornis (Dyschiriodes)*** MOTSCHULSKY 1844) -BC-------KL-------TUVW-Y-
= (*septentrionum (Dyschiriodes)* MÜNSTER 1923)
48 (***reitteri (Dyschiriodes)*** KULT 1949) -------------------T------
49 (***salinus (Dyschiriodes)*** SCHAUM 1843) -BCD-F--I----NOPQR-T------
ssp. (***salinus (Dyschiriodes salinus, ssp.)*** SCHAUM 1843) -B-----------------------
= (*aeneus (Dyschiriodes salinus, syn.)* AHRENS 1830) [non DEJEAN 1825]
= (*rufipes (Dyschiriodes salinus, syn.)* STEPHENS 1832) [non DEJEAN 1825]
= (*punctatus (Dyschiriodes salinus, syn.)* STEPHENS 1832) [non DEJEAN 1825]
= (*punctipennis (Dyschiriodes salinus, syn.)* PUTZEYS 1846)
ssp. (***striatopunctatus (Dyschiriodes salinus, ssp.)*** PUTZEYS 1846) --CD-F--I----NOPQR-T------
50 (***melancholicus (Dyschiriodes)*** PUTZEYS 1866) -B--------K--------TUVW---
= (*helleni (Dyschiriodes)* J.MÜLLER 1922)
= (*norvegicus (Dyschiriodes)* MÜNSTER 1923)
= (*nigricornis (Dyschiriodes)* LINDROTH 1969) [non MOTSCHULSKY 1844]
= (*secretus (Dyschiriodes)* FALL 1926)
51 (***tristis (Dyschiriodes)*** STEPHENS 1827) ABCDEF----KLMNO----TUVW-YZ
= (*glypturus (Dyschiriodes)* H.BATES 1883)
= (*luedersi (Dyschiriodes)* H.WAGNER 1915)
= (*unicolor (Dyschiriodes)* MOTSCHULSKY 1844)
52 (***subarcticus (Dyschiriodes)*** LINDROTH 1969) -BC----------------TUVW---
53 (***euxinus (Dyschiriodes)*** ZNOJKO 1927) ---D-F---J----OPQ---------
= (*clermonti (Dyschiriodes)* PUEL 1937)
54 (***extenxsus (Dyschiriodes)*** PUTZEYS 1846) ---D----------------------
= (*elongatus (Dyschiriodes)* DAWSON 1856)
55 (***rufimanus (Dyschiriodes)*** FLEISCHER 1898) ------------NOPQRST-V----
= (*eous (Dyschiriodes)* ZNOJKO 1928)
= (*sharovae (Dyschiriodes)* GRYUNTAL 1984)
56 (***strumosus (Dyschiriodes)*** ERICHSON 1837) ---DEF--------------------
57 (***kryzhanovskii (Dyschiriodes)*** GRYUNTAL 1984) ---------------P--S-------
= (*mesasiaticus (Dyschiriodes)* FEDORENKO 1989)
58 (***parallelus (Dyschiriodes)*** MOTSCHULSKY 1844) -----FG-I------PQ---------
= (*diluticornis (Dyschiriodes)* PUTZEYS 1866)
? (*ruficornis (Dyschiriodes)* PUTZEYS 1866)
59 ***substriatus (Dyschiriodes)*** DUFTSCHMID 1812 A--D-FGHI-----------------
= (*bimaculatus (Dyschiriodes)* BONELLI 1813)
ssp. (***priscus (Dyschiriodes substriatus, ssp.)*** J.MÜLLER 1922) A--D----------------------
60 (***matisi (Dyschiriodes)*** LAFER 1989) ----------------------Y-

Genus ***Reicheiodes*** GANGLBAUER 1892

Type species: *Dyschirius rotundipennis* CHAUDOIR 1843

Subgenus ***Reicheiodes*** GANGLBAUER 1892

Type species: *Dyschirius rotundipennis* CHAUDOIR 1843

1 (***lederi (Reicheiodes)*** REITTER 1888) ------G------------------- Gab
2 ***roubalianus (Reicheiodes)*** KULT 1946 ------G-------------------
3 ***zvarici (Reicheiodes)*** BULIRSCH 1990 ------G------------------- Ga3

Genus ***Clivinopsis*** BEDEL 1895

Type species: *Clivinopsis conicollis* REITTER 1909

= *Clivinaxis* REITTER 1909

Type species: *Clivinaxis conicollis* REITTER 1909

1 ***conicicollis (Clivinopsis)*** REITTER 1909 ----------O-----------
? *gottwaldi (Clivinopsis)* JEDLIªKA 1966

Supertribe *BROSCITAE*

Tribe *BROSCINI*

Genus ***Broscus*** PANZER 1813
Type species: *Carabus cephalotes* LINNAEUS 1758
= *Cephalotes* BONELLI 1811 [nom. nud.]

1 (***cephalotes (Broscus)*** LINNAEUS 1758) `ABCD------K--N------U-----` `Uc - ?introduced`
= (*vulgaris (Broscus)* FISCHER von WALDHEIM 1823)
= *antennatus (Broscus)* LETZNER 1852
= *clypeatus (Broscus)* LETZNER 1852
= *piceus (Broscus)* LETZNER 1852
= *rufus (Broscus)* LETZNER 1852
= *capucinus (Broscus)* DALLA TORRE 1877
2 (***semistriatus (Broscus)*** DEJEAN 1828) `---DEFGHI----NO----T------`
3 ***asiaticus (Broscus)*** BALLION 1870 `---------------PQRS-------`
4 ***declivis (Broscus)*** SEMENOV 1889 `---------------P-R--------` `PdRb`
5 ***karelini (Broscus)*** ZOUBKOFF 1837 `---------J------Q---------`
6 (***punctatus (Broscus)*** DEJEAN 1828) `---------------P--S-------`

Genus ***Eobroscus*** KRYZHANOVSKIJ 1951
Type species: *Eobroscus richteri* KRYZHANOVSKIJ 1951 [= *B.lutshniki* ROUBAL 1928]

1 (***lutshniki (Eobroscus)*** ROUBAL 1928) `------------------------YZ`
= *richteri (Eobroscus)* KRYZHANOVSKIJ 1951

Genus ***Craspedonotus*** SCHAUM 1863
Type species: *Craspedonotus tibialis* SCHAUM 1863
= *Pseudobroscus* SEMENOV 1888
Type species: *Pseudobroscus leucocnemis* SEMENOV 1888

1 ***margelanicus (Craspedonotus)*** KRAATZ 1884 `------------------S-------`
= *leucocnemis (Craspedonotus)* SEMENOV 1888
2 ***tibialis (Craspedonotus)*** SCHAUM 1863 `------------------------YZ`

Genus ***Miscodera*** ESCHSCHOLTZ 1830
Type species: *Scarites arcticus* PAYKULL 1798
= *Leiochiton* CURTIS 1831
Type species: *Scarites arcticus* PAYKULL 1798

1 (***arctica (Miscodera)*** PAYKULL 1798) `-BC-------KL-------TUVWXY-`
= *erythropus (Miscodera)* MOTSCHULSKY 1844
= (*readi (Miscodera)* CURTIS 1829)

Genus ***Broscosoma*** ROSENHAUER 1846
Type species: *Broscosoma baldense* ROSENHAUER 1846

1 ***semenovi (Broscosoma)*** BELOUSOV et KATAEV 1990 `------G------------------` `Gc1: N Ossetia, Ingushetia: Stolovaya Mt.`

Tribe *APOTOMINI*

Genus ***Apotomus*** ILLIGER 1807
Type species: *Scarite rufus* ROSSI 1790

1 ***testaceus (Apotomus)*** DEJEAN 1825 `---D-----------P----------`
2 ***adustipennis (Apotomus)*** REITTER 1892 `---DE----------P----------`
3 ***rufithorax (Apotomus)*** PECCHIOLI 1838 `---------------P----------`

Supertribe *TRECHITAE*

Tribe *TRECHINI*

Subtribe *PERILEPTINA*

Genus ***Perileptus*** SCHAUM 1860
Type species: *Carabus areolatus* CREUTZER 1799
= *Ochthephilus* NIETNER 1857
Type species: *Ochthephilus ceylanicus* NIETNER 1857 [non MULSANT & REY 1856]

1 (***areolatus (Perileptus)*** CREUTZER 1799) `A--DE-GHIJ----OP---T------`
= (*depressus (Perileptus)* STEPHENS 1830)
= (*acuticollis (Perileptus)* DUFOUR 1843)
2 ***japonicus (Perileptus)*** H.BATES 1873 `------------------------Y-` `Ybd`
3 ***mesasiaticus (Perileptus)*** UÉNO 1976 `---------------P-RS-------`

Genus ***Neoblemus*** JEANNEL 1923
Type species: *Neoblemus championi* JEANNEL 1923

4 ***glasunovi (Neoblemus)*** JEANNEL 1935 `-----------------RS-------` `Re: Karatau Mt.R.`

Subtribe *TRECHODINA*

Genus ***Thalassophilus*** WOLLASTON 1854
Type species: *Thalassophilus whitei* WOLLASTON 1854

1 (***longicornis (Thalassophilus)*** STURM 1825) `A---E-G------------------`
= (*ponticus (Thalassophilus)* MOTSCHULSKY 1845)

= *kokujevi (Thalassophilus)* TSCHITSCHÉRINE 1898
= (*littoralis (Thalassophilus)* DEJEAN 1831)
ab. *obscuripennis (Thalassophilus longicornis, ab.)* EICHLER 1924 ------G------------------ Tiflis

Subrtribe *TRECHINA*

Genus ***Aepiblemus*** BELOUSOV et KABAK 1993

Type species: *Aepiblemus caeculus* BELOUSOV et KABAK 1993

1 ***caeculus (Aepiblemus)*** BELOUSOV et KABAK 1993 ----------------R-------- Ra

Genus ***Trechoblemus*** GANGLBAUER 1896

Type species: *Carabus micros* HERBST 1784

1 (***micros (Trechoblemus)*** HERBST 1784) ABC----------------------
= (*planatus (Trechoblemus)* DUFTSCHMID 1812)
= (*rubens (Trechoblemus)* DUFTSCHMID 1812)
= (*flavus (Trechoblemus)* STURM 1825)
= (*litoralis (Trechoblemus)* SERVILLE 1825)
= (*sericeus (Trechoblemus)* FLEISCHER 1829)
= (*abdominalis (Trechoblemus)* MOTSCHULSKY 1845)
= (*quadricollis (Trechoblemus)* PUTZEYS 1847)
2 (***postilenatus (Trechoblemus)*** H.BATES 1873) ------------------------Z Za: Konuma (=Novoaleksandrovsk)

Genus ***Oroblemites*** UÉNO et PAWLOWSKI 1981[220]

Type species: *Oroblemites tianshanicus* UÉNO et PAWLOWSKI 1981

1 (***medvedevi (Oroblemites)*** JEANNEL 1962) ----------------R-------- Re
= *tianshanicus (Oroblemites)* UÉNO et PAWLOWSKI 1981

Genus ***Pseudanophthalmus*** JEANNEL 1920[221]

Type species: *Anophthalmus menetriesi* MOTSCHULSKY 1862

= *Duvaliopsis* JEANNEL 1928

Type species: *Duvalius bielzi* SEIDLITZ 1867

= *Tenessarius* VALENTINE 1952

Type species: *not fixed*

= *Aphanotrechus* BARR 1960

Type species: *Aphanotrechus virginicus* BARR 1960

1 (***pilosellus (Pseudanophthalmus)*** MILLER 1863) A------------------------ Aa

Genus ***Blemus*** DEJEAN 1821

Type species: *Carabus discus* FABRICIUS 1792 [non LECONTE 1848]

= *Lasiotrechus* GANGLBAUER 1892

Type species: *Carabus discus* FABRICIUS 1792

1 (***discus (Blemus)*** FABRICIUS 1792) -BCDEFG-----MNO----TU---YZ
ssp. (***discus (Blemus discus, ssp.)*** FABRICIUS 1792) -BCDEFG-----MNO----TU----- Uc
= (*unifasciatus (Blemus discus, syn.)* PANZER 1797)
= *mariae (Blemus discus, syn.)* HUMMEL 1823
ssp. (***alexandrovi (Blemus discus, ssp.)*** LUTSHNIK 1915) ------------------------YZ
= *alexandrowi (Blemus discus, syn.)* auct.

Genus ***Nannotrechus*** WINKLER 1926

Type species: *Nannotrechus hoppi* WINKLER 1926

= *Birsteiniotrechus* LJOVUSCHKIN 1972[222]

Type species: *Birsteiniotrechus ciscaucasicus* LJOVUSCHKIN 1972

1 ***hoppi (Nannotrechus)*** WINKLER 1926 ------G------------------ Ga3: interfluve Mzymta - Aapsta
ssp. ***hoppi (Nannotrechus hoppi, ssp.)*** WINKLER 1926 ------G------------------ Ga3: Gagrian Mt.R.
ssp. ***brevicollis (Nannotrechus hoppi, ssp.)*** JEANNEL 1960 ------G------------------ Ga3: Bzybian plateau
2 ***fishtensis (Nannotrechus)*** BELOUSOV 1989 ------G------------------ Ga1: Fisht Mt., valley of Armyanka Riv.
3 ***kovali (Nannotrechus)*** BELOUSOV 1989 ------G------------------ Ga1: Solokh-Aul
4 (***ciscaucasiens (Nannotrechus)*** LJOVUSCHKIN 1972) ------G------------------ Ga1: env. Psebai

Genus ***Cimmerites*** JEANNEL 1928

Type species: *Nannotrechus serrulatus* WINKLER 1926

1 (***serrulatus (Cimmerites)*** WINKLER 1926) ------G------------------ Ga3: Gagrian Mt.R.
2 ***kurnakovi (Cimmerites)*** JEANNEL 1960 ------G------------------ Ga3: Bzybian plateau
3 (***morozovi (Cimmerites)*** DOLZHANSKIJ et LJOVUSCHKIN 1990) ------G------------------ Ga3: Achibakh
4 (***circassicus (Porocimmerites)*** REITTER 1888) ------G------------------ Ga1: mountains between Tuapse and Sochi

Genus ***Troglocimmerites*** LJOVUSCHKIN 1970

Type species: *Troglocimmerites djanaschwilii* LJOVUSCHKIN 1970

1 ***djanaschwilii (Troglocimmerites)*** LJOVUSCHKIN 1970 ------G------------------ Gb2: env. Ambrolauri
2 (***imeretinus (Troglocimmerites)*** DOLZHANSKIJ et LJOVUSCHKIN 1985) ------G------------------ Gb2: env. Tskhaltubo
3 (***suaneticus (Troglocimmerites)*** REITTER 1877) ------G------------------ Gb3: Lechkhumi Mt.R.
4 (***nakeralae (Troglocimmerites)*** REITTER 1883) ------G------------------ Gb2: Racha, Nakerala Mt.
5 ***pasquinii (Troglocimmerites)*** VIGNA TAGLIANTI 1977[223] -------H------------------ Hb: Adzharo-Imeretian Mt.R.; NE Turkey

Genus ***Taniatrechus*** BELOUSOV et DOLZHANSKIJ 1994

Type species: *Taniatrechus setosus* BELOUSOV et DOLZHANSKIJ 1994

1 ***setosus (Taniatrechus)*** BELOUSOV et DOLZHANSKIJ 1994 ------G------------------ Ga3: Bzybian plateau

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220 It seems possible that the same species was first described as *Duvalius dromioides* Rtt. With the exception of the length of the antennae, everything in the original description agrees with our idea. If so, then the name must become *Oroblemites dromioides* Rtt., comb. n. Unfortunately, the type is absent from TMB (I. Belousov) .

221 According to Barr (1964) , the European genus *Duvaliopsis* is a synonym of the Nearctic *Pseudanophthalmus.* Being well grounded morphologically, this viewpoint, however, creates considerable difficulties in assessing some Oriental genera of Trechini (I. Belousov) .

222 Arguments to the generic synonymies in the *Nannotrechus* complex as well as the description of new taxa, including genus-group ones, will be the subject of a separate paper currently in preparation. Only a concise outcome is presented here (I. Belousov) .

223 The species has been described from the Borcka Mt. Range in NE Turkey. It has since been discovered in several places in Adzharia (I. Belousov) .

Genus ***Jeannelius*** KURNAKOV 1959

Type species: *Jeannelius magnificus* KURNAKOV 1959

1	(***zhicharevi (Jeannelius)*** LUTSHNIK 1915) [224]	------G------------------	Ga1: Achishkho Mt.R.
2	***birsteini (Jeannelius)*** LJOVUSCHKIN 1965[225]	------G------------------	Ga1: Alek Mt.R., Akhunskaya Cave
3	***magnificus (Jeannelius)*** KURNAKOV 1959	------G------------------	Ga3: Tsebelda
4	***gloriosus (Jeannelius)*** LJOVUSCHKIN 1965	------G------------------	Ga3: Novo-Afonskaya Cave
5	***iljukhini (Jeannelius)*** DOLZHANSKIJ et LJOVUSCHKIN 1985[226]	------G------------------	Ga3: Bzybian plateau, massif Khipsta

Genus ***Pseudaphaenops*** WINKLER 1914

Type species: *Pseudaphaenops tauricus* WINKLER 1912

1	(***jakobsoni (Pseudaphaenops)*** PLIGINSKY 1913)	----E--------------------	caves near Yalta
2	(***tauricus (Pseudaphaenops)*** WINKLER 1912)	----E--------------------	caves near Alushta

Genus ***Meganophthalmus*** KURNAKOV 1959

Type species: *Meganophthalmus mirabilis* KURNAKOV 1959

1	***kravetzi (Meganophthalmus)*** KOMAROV 1993	------G------------------	Gb1: Skalistyi Mt.R. S of Nalchik
2	***mirabilis (Meganophthalmus)*** KURNAKOV 1959	------G------------------	Ga3: Tsebelda
3	(***kutaissianus (Meganophthalmus)*** ZAITZEV 1941) [227]	------G------------------	Gb2: env. Kutaissi

Genus ***Duvalius*** DELAROUZÉE 1859

Type species: *Trechus raymondi* DELAROUZÉE 1859

Subgenus ***Duvalius*** DELAROUZÉE 1859

Type species: *Trechus raymondi* DELAROUZÉE 1859

1	***antoniae (Duvalius)*** REITTER 1892	--------I----------------	Ib: Nakhichevan, Ilan-Dagh
2	***arnoldii (Duvalius)*** JEANNEL 1962	----------------R--------	Rb: C & E part Kirghizsky Mt.R., Shamsi
3	***dvoraki (Duvalius)*** P.MORAVEC 1986[228]	----------------R--------	Rb: Kirghizsky Mt.R. S of Bishkek, Ala-Archa
4	***bodoanus (Duvalius)*** REITTER 1913	China: Hsin-Kiang (Tian-Shan)	
5	***dromioides (Duvalius)*** REITTER 1897[229]	----------------R--------	Re: Margelan, Alai
6	(***hetschkoi (Duvalius)*** REITTER 1911)	---------------P----------	loc.typ. Tscha-schui (?=Chardzhou)
7	***kryzhanovskii (Duvalius)*** JEANNEL 1962	----------------R--------	Re: Talassky Alatau, Radsha-Ata (?=Padsha-Ata)
8	***martensi (Duvalius)*** CASALE 1983	------G------------------	Gc: Zakataly Reserve, Agkemal
9	***sokolovi (Duvalius)*** LJOVUSCHKIN 1963	------G------------------	Ga3: Gagrian Mt.R., Arabika Mt.
10	***stepanavanensis (Duvalius)*** KHNZORIAN 1963	-------H-----------------	Hc: Stepanavan, Medvezhya Gora Mt.
11	***vartashensis (Duvalius)*** BELOUSOV 1989	------G------------------	Gc2: loc.typ. Vartashen Distr.
12	(***yatsenkokhmelevskyi (Duvalius)*** KHNZORIAN 1960)	-------H-----------------	Hc: env. Idzhevan
13	***gusevi (Duvalius)*** BELOUSOV 1989	------G------------------	Gb2: Skalistyi Mt.R.
14	***megrel (Duvalius)*** BELOUSOV 1991	------G------------------	Gb4: Khvira Mt.
15	***ovtshinnikovi (Duvalius)*** BELOUSOV 1991	----------------R--------	Rb: middle part of Kunguei Alatoo Mt.R.
16	***saueri (Duvalius)*** FARKA[a] et P.MORAVEC 1993[230]	----------------R--------	Rb: middle part of Kunguei Alatoo Mt.R.
17	***alexeevi (Duvalius)*** BELOUSOV 1991	----------------R--------	Re: Sary-Chelek Reserve (Chatkalsky Mt.R.)
18	***miroshnikovi (Duvalius)*** BELOUSOV et ZAMOTAILOV 1995	------G------------------	Ga1: Sochi, Bariban Cave

Subgenus ***Duvalidius*** JEANNEL 1928

Type species: *Trechus procerus* PUTZEYS 1847

19	***corpulentus (Duvalius)*** WEISE 1875	A------------------------	Aa
20	***roubali (Duvalius)*** JEANNEL 1926	A------------------------	Aa
21	***ruthenus (Duvalius)*** REITTER 1878	A------------------------	Aa
22	***subterraneus (Duvalius)*** MILLER 1868	A------------------------	Aa
23	***kurnakovi (Duvalius)*** JEANNEL 1960	-------H-----------------	Hb: Trialetian Mt.R.: Gorge Baniss-Khevi

Subgenus ***Duvaliotes*** JEANNEL 1928

Type species: *Trechus pilifer* GANGLBAUER 1891

24	***transcarpathicus (Duvalius)*** SHILENKOV et RIZUN 1989	A------------------------	Ab

Genus ***Inotrechus*** DOLZHANSKIJ et LJOVUSCHKIN 1989

Type species: *Inotrechus injaevae* DOLZHANSKIJ et LJOVUSCHKIN 1989

1	***injaevae (Inotrechus)*** DOLZHANSKIJ et LJOVUSCHKIN 1989	------G------------------	Gb3: env. Ambrolauri
2	***kurnakovi (Inotrechus)*** DOLZHANSKIJ et LJOVUSCHKIN 1989	------G------------------	Gb2: env. Tskhaltubo

Genus ***Masuzoa*** UÉNO 1960

Type species: *Masuzoa notabilis* UÉNO 1960

1	***ussuriensis (Masuzoa)*** LAFER 1989	------------------------Y-	Yb

Genus ***Epaphiopsis*** UÉNO 1953

Type species: *Epaphiopsis fukukii* UÉNO 1953

Subgenus ***Epaphiama*** JEANNEL 1962

Type species: *Epaphiama semenovi* JEANNEL 1962

1	***semenovi (Epaphiopsis)*** JEANNEL 1962	------------------------Y-	Yb
2	***jacobsoni (Epaphiopsis)*** SOKOLOV et SHILENKOV 1987	------------------T------	Tc: env. Zyryanovsk, Kholzun & Listvyaga Mt.r.

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224 This species has been described within the Subgenus *Duvalius* of the genus *Trechus.* A restudy of the type has revealed that it actually belongs in the genus *Jeannelius* (I. Belousov) .

225 This species is very close to *J. zhicharevi*, perhaps being at best the latter's subspecies (I. Belousov) .

226 Apparently, it must be transferred to the genus *Duvalius* (I. Belousov) .

227 The allocation within the genus *Meganophthalmus* is not at all that clear. This species is known to us only from the original description (I. Belousov) .

228 Perhaps this is only a subspecies of the preceding species (I. Belousov) .

229 Based on some characters indicated in the original description, this species strongly resembles *Oroblemites medvedevi*, except for the length of the antennae. Regrettably, the type missing from TMB allowed no solution of this problem (I. Belousov) .

230 Perhaps this is only a synonym of the preceding species (I. Belousov) .

Genus ***Trechiama*** JEANNEL 1927

Type species: *Trechus oreas* sensu JEANNEL 1927 [= *T.angulicollis* JEANNEL 1954]

Subgenus ***Leptepaphiama*** JEANNEL 1962

Type species: *Trechus jonoanus* JEANNEL 1962

1	***sichotanus (Trechiama)*** LAFER 1989	----------Y-	Yb
2	***kryzhanovskii (Trechiama)*** LAFER 1989	----------Y-	Yb

Genus ***Epaphius*** STEPHENS 1827

Type species: *Carabus secalis* PAYKULL 1790

1	***arsenjevi (Epaphius)*** JEANNEL 1962	----------Y-	Yb
2	***dorsostriatus (Epaphius)*** A.MORAWITZ 1863	----------Y-	
3	***ephippiatus (Epaphius)*** H.BATES 1873	----------YZ	YbZb
4	(***rivularis (Epaphius)*** GYLLLENHAL 1810)	-BC---------M-------U-----	Uc
	= *nigricornis (Epaphius)* MOTSCHULSKY 1844		
5	(***secalis (Epaphius)*** PAYKULL 1790)	ABCDEFG--JKLMN-----TUV----	
	ssp. (***secalis (Epaphius secalis, ssp.)*** PAYKULL 1790)	ABCDE----JKLMN-----TUV----	
	= *laticollis (Epaphius secalis, syn.)* MOTSCHULSKY 1844		
	ssp. ***georgicus (Epaphius secalis, ssp.)*** JEANNEL 1962	-----FG----------	
6	***densicornis (Epaphius)*** FISCHHUBER 1977	----------Y-	Yb
7	***plutenkoi (Epaphius)*** LAFER 1989	----------Y-	Ybd

Genus ***Trechus*** CLAIRVILLE 1806[231]

Type species: *Trechus rubens* CLAIRVILLE 1806 [= *T.quadristriatus* SCHRANK 1781]

= *Blemus* STEPHENS 1830

Type species: *Trechus rubens* FABRICIUS 1792

= *Calotrechus* WOLLASTON 1854

Type species: *Trechus nigrocruciatus* WOLLASTON 1854

= *Altaiotrechus* KHNZORIAN 1971[232] **Syn. nov.**

Type species: *Altaiotrechus alticola* KHNZORIAN 1971

The ***'latus'*** species group

1	***latus (Trechus)*** PUTZEYS 1847	A----------	Aa
2	***fontinalis (Trechus)*** RYBINSKY 1900	A----------	Aa

The ***'plicatulus'*** species group

3	***plicatulus (Trechus)*** MILLER 1868	A----------	Aa

The ***'pulchellus'*** species group

4	***pulchellus (Trechus)*** PUTZEYS 1845	A----------	Aa
5	***pulpani (Trechus)*** RESKA 1965	A----------	Aa

The ***'splendens'*** species group

6	***splendens (Trechus)*** GEMMINGER et HAROLD 1868	A----------	Aa

The ***'striatulus'*** species group

7	***striatulus (Trechus)*** PUTZEYS 1847	A----------	Aa
8	***carpathicus (Trechus)*** RYBINSKY 1902	A----------	Aa
	= *breviusculus (Trechus)* K.DANIEL 1906		

The ***'quadristriatus'*** species group

9	(***quadristriatus (Trechus)*** SCHRANK 1781)	ABCDEFGHIJK-MNOPQ---------	Bade
	= (*capitatus (Trechus)* FOURCROY 1785)		
	= (*minutus (Trechus)* FABRICIUS 1801)		
	= (*tempestivus (Trechus)* PANZER 1801)		
	= *rubens (Trechus)* CLAIRVILLE 1806		
	= *nigriceps (Trechus)* STURM 1826		
	= *fuscipennis (Trechus)* STEPHENS 1830		
	= *humeralis (Trechus)* ÖSK 1837		
	= *politus (Trechus)* FALDERMANN 1837		
	= *amaurocephalus (Trechus)* KOLENATI 1845		
	= *piciventris (Trechus)* GRAELLS 1858		
	= *syriacus (Trechus)* PUTZEYS 1870		
	= *picticornis (Trechus)* FLEISCHER 1898		
10	(***obtusus (Trechus)*** ERICHSON 1837)	possible in Transcarpathia	
	= *tristis (Trechus)* STEPHENS 1830		
	= *castanopterus (Trechus)* HEER 1840		
	? *laevis (Trechus)* STEPHENS 1832		
11	***montanus (Trechus)*** MOTSCHULSKY 1844	----------M------TUV----	TfUbcVa
	= *montanus (Trechus)* J.SAHLBERG 1880		
	= *curvatus (Trechus)* J.SAHLBERG 1880		
	= *perminutus (Trechus)* REITTER 1898		
12	***bakurovi (Trechus)*** SHILENKOV 1984	----------T------	Tde

The ***'shilenkovi'*** species group [233]

13	***shilenkovi (Trechus)*** BELOUSOV et KABAK 1991	----------T------	Tb: Ulbinsky and Ivanovsky Mt.r.

The ***'stipraisi'*** species group

14	***tarbagataicus (Trechus)*** BELOUSOV et KABAK 1991	----------T------	Ta: Tarbagatai Mt.R., N of Makhanchi
15	***stipraisi (Trechus)*** BELOUSOV et KABAK 1991	----------T------	Ta: Tarbagatai Mt.R.
	ssp. ***stipraisi (Trechus stipraisi, ssp.)*** BELOUSOV et KABAK 1991	----------T------	Ta: S slope W part Tarbagatai Mt.R.
	ssp. ***naiman (Trechus stipraisi, ssp.)*** BELOUSOV et KABAK 1991	----------T------	Ta: N slope Tarbagatai Mt.R., Karabuga Riv.
	ssp. ***usun (Trechus stipraisi, ssp.)*** BELOUSOV et KABAK 1991	----------T------	Ta: N slope Tarbagatai Mt.R. S of Oichilik
16	***sauricus (Trechus)*** BELOUSOV et KABAK 1991	----------T------	Ta: N slope Saur Mt.R.
17	***przewalskyi (Trechus)*** BELOUSOV et KABAK 1993	----------T------	Ta: N slope Saur Mt.R. S of Zaisan

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231 Treatment of species groups in *Trechus* often differs from the previously published ones. Arguments for their rearrangements will be put forth in a separate paper in preparation (I. Belousov) .

232 A restudy of the type of *A. alticola* Khnz. in the Iablokoff-Khnzorian Collection has revealed, this is a typical *Trechus* Clairv. from the *almonius*-group. The pubescence of the protibiae mentioned in the original description is in fact missing, with only some setae along the external edge characteristic of a *Trechus* in its stead (V. Shilenkov) .

233 The species is particular in connecting the *'quadristriatus'* group, via *T. bakurovi*, both with the Caucasian *'alpigradus'* group and the European *'montanellus'* group (I. Belousov) .

18 ***planioculus (Trechus)*** BELOUSOV et KABAK 1993 ----------T------ Ta: N slope Saur Mt.R. S of Zaisan

The *'mordkovitshi'* species group [234]

19 ***mordkovitshi (Trechus)*** SHILENKOV 1982 ----------T------ Tef

The *'austriacus'* species

20 ***austriacus (Trechus)*** DEJEAN 1831 A-CD---------- CabDa
? *platypterus (Trechus)* STURM 1825
? *pallidipennis (Trechus)* SCHAUM 1857
? *olympicus (Trechus)* PIOCHARD de la BR¯LERIE 1875
= *subacuminatus (Trechus)* FLEISCHER 1898
= *angustus (Trechus)* J.SAHLBERG 1908
= *labruleriei (Trechus)* JEANNEL 1921
= *gajaci (Trechus)* COIFFAIT 1973

21 ***podolicus (Trechus)*** LJOVUSCHKIN 1962[235] --C---------- Ca

The *'infuscatus'* species group [236]

22 ***dzermukensis (Trechus)*** KHNZORIAN 1963 --------I---------- Ia: from Vardenis to Karabakh Mt.R.
23 ***infuscatus (Trechus)*** CHAUDOIR 1850 --------I---------- Ia: Aragats Mts
24 ***khalabicus (Trechus)*** BELOUSOV 1990 --------I---------- Ia: Khalabsky and Bazumsky Mt.r.
25 ***korbi (Trechus)*** REITTER 1903 NE Turkey
26 ***lailensis (Trechus)*** BELOUSOV 1989 ------G---------- Gb4: Egrissian and W Svanetsky Mt.r.

The *'maculicornis'* species group

27 ***balkaricus (Trechus)*** BELOUSOV 1990 ------G---------- Gb12: Skalistyi Mt.R.: Elbrus-Terek
28 ***elongatulus (Trechus)*** PUTZEYS 1870 ------G---------- Ga3b34: from E Abkhazia to Svanetia & Megrelia
29 ***thaleri (Trechus)*** FRANZ 1991 ------G---------- Gc2: Shalbuzdagh
30 ***irritus (Trechus)*** JEANNEL 1960 ------G---------- Gb3: Svanetia
31 ***komarovi (Trechus)*** BELOUSOV 1990 ------G---------- Gc1: from Mt B.Barbalo to Snegovoi Mt.R.
31 ***maculicornis (Trechus)*** CHAUDOIR 1846 ------G---------- Gb2c1: from Racha to Kodorian Pass
= *osseticus (Trechus)* JEANNEL 1927
32 ***dubitans (Trechus)*** REITTER 1903 ------G---------- Gb3: Kodorian and Abkhazsky Mt.r.
= *abkhazicus (Trechus)* JEANNEL 1960 **Syn. nov.**[237] loc.typ. - Svanetia
33 ***nivicola (Trechus)*** CHAUDOIR 1846 ------GH---------- HbGb2c1:from Mid.Meskh.Mts. to Mt.Guton
34 ***sokolovi (Trechus)*** BELOUSOV 1990 ------G---------- Ga3: E part of Kodorian Mt.R.
35 ***subcordatus (Trechus)*** CHAUDOIR 1846 ------G---------- Gb3: Lechkhumi

The *'caucasicus'* species group [238]

36 ***abdurakhmanovi (Trechus)*** BELOUSOV 1990 ------G---------- Gc2: Nukatl
37 ***ambrolauricus (Trechus)*** BELOUSOV 1989 ------G---------- Gb3: Lechkhumi
38 ***angelicae (Trechus)*** REITTER 1892 -------HI---------- IaHc: Murovdagh - SE Zangezur
39 ***aquilus (Trechus)*** JEANNEL 1962 -------H---------- Hb: Trialetian Mt.R.
40 ***caucasicus (Trechus)*** CHAUDOIR 1846 ------GH---------- Gb234Hb: Megrelsky, Meskhetian and Racha Mt.r.
= *mingrelicus (Trechus)* REITTER 1885 **Syn. nov.**[239]
41 ***dilizhanicus (Trechus)*** BELOUSOV 1989 -------H---------- Hc: mountains env. Dilizhan
42 ***galianus (Trechus)*** BELOUSOV 1989 ------G---------- Ga3: S part Akiba Mt.R.
43 ***golovatchi (Trechus)*** CASALE 1983 -------H---------- Hb: SW part Meskhetian Mt.R.
44 ***imereticus (Trechus)*** BELOUSOV 1990 ------G---------- Gb4: Mt. Khvamli
45 ***ithae (Trechus)*** REITTER 1889 ------G---------- Ga1: from Achishkho to Semashkho Mt.
46 ***khnzoriani (Trechus)*** PAWLOWSKI 1976 -------H---------- Hc: NW Armenia
47 ***kovali (Trechus)*** BELOUSOV 1989 ------G---------- Ga3 E Abkhazia: Chedym to Abkhazsky Mt.R.
48 ***kurnakovi (Trechus)*** JEANNEL 1960 ------G---------- Ga3: Abkhazsky Mt.R.

The *'fischtensis'* species group [240]

49 ***fischtensis (Trechus)*** REITTER 1883 ------G---------- Ga1: cuesta from Fisht Mt. to right bank of B.Laba
50 ***bohaci (Trechus)*** P.MORAVEC 1987 ------G---------- Ga1: from Anapa to Maikop, incl. plain
51 ***renei (Trechus)*** BELOUSOV 1990 ------G---------- Ga1:foremost mts between M.Laba - Urushten Riv.

The *'melanocephalus'* species group

52 ***melanocephalus (Trechus)*** KOLENATI 1845 ------G-I---------- IGc2: SE Transcaucasia to E Caucasus
= *vicinus (Trechus)* PUTZEYS 1870
= *picticornis (Trechus)* FLEISCHER 1898
= *phryganobius (Trechus)* KHNZORIAN 1963
= *zangezuricus (Trechus)* KHNZORIAN 1966
= *obscuriceps (Trechus)* MORVAN 1973

53 ***magniceps (Trechus)*** REITTER 1898[241] -------HI---------- IaHc: Murovdagh and Zangezur Mt.r.

The *'fusculus'* species group [242]

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234 Morphologically, it is indistinguishable from the Caucasian *'liopleurus'* group. Yet accepting a species group as a certain geographical complex, its separation into an independent species group appears warranted (I. Belousov) .

235 Probably this is only a synonym of the preceding species. This seems the more so likely that *T. austriacus* is known to us from Ciscarpathia, Moldavia, Byelorussia, and even Moscow City. *T. austriacus* has long been noted as tending to inhabit caves, cellars and such like (Jeannel, 1927, p. 415) . The same ideas concerning *T. podolicus* are shared by P. Moravec as well (I. Belousov) .

236 Both *T. melanocephalus* and *T. fischtensis* with allies have been ejected from the *'infuscatus'* group sensu Jeannel (1960) (I. Belousov) .

237 A restudy of the types of both species (*T. dubitans* Rtt., kept in TMB, *T. abkhazicus* Jeannel, kept in MHNP) has revealed their identity. The only discrepancy concerns the terra typica of *T. dubitans* stated to be Svanetia. Yet one must keep in mind that the central and eastern parts of the Kodorian Mt. Range of Abkhazia were considered early this century as lying within Abkhazian Svanetia (I. Belousov) .

238 Even in such a reduced scope, the group remains composite. Some further species from Armenia, Azerbaijan and Adzharia must be ejected as well, yet their classification requires a special study. The *'caucasicus'* group sensu strictiore has been discussed by Belousov (1989) (I. Belousov) .

239 The known populations from Adzharo-Imeretia, Racha and Megrelia are rather uniform. The usually stated differences between *mingrelicus* and the nominate *caucasicus* are explained by a wrong understanding of the latter species by Reitter. A side-by-side comparison between a paratype of *mingrelicus* (kept in TMB) and the holotype of *caucasicus* (kept in MHNP) has confirmed their identity (I. Belousov) .

240 Usually the species listed here have been incorporated into the *'infuscatus'* group (Jeannel, 1960) . In reality, however, they are much closer to the European *'obtusiusculus'* group than to any Caucasian species group (I. Belousov) .

241 The recent record of this species in the East Caucasus by Franz (1991) is erroneous and actually refers to *T. melanocephalus*, a species quite common there (I. Belousov) .

54	***alanicus (Trechus)*** BELOUSOV 1990	------G------------------ Ga2b12 between Laba Riv. - N.Ossetia
55	***armenus (Trechus)*** KHNZORIAN 1963	-------H----------------- Hc: mountains of NW Armenia
56	***bogatshevi (Trechus)*** BELOUSOV 1987	------G------------------ Gc2: watershed from Salavat Pass to Babadagh
57	***fusculus (Trechus)*** MOTSCHULSKY 1850	------G------------------ Gc1: N slope from Krestovy Pass to Diklosmta Mt.
	= *bradycelloides (Trechus)* REITTER 1903 **Syn. nov.**[243]	
58	***kataevi (Trechus)*** BELOUSOV 1987	------G------------------ Gc2: Bogos and Nukatl
	ssp. ***kataevi (Trechus kataevi, ssp.)*** BELOUSOV 1990	------G------------------ Gc2: Bogos
	ssp. ***nukatli (Trechus kataevi, ssp.)*** BELOUSOV 1990	------G------------------ Gc2: Nukatl
59	***lgockii (Trechus)*** PAWLOWSKI 1979	-------H----------------- Hb: Meskhetian and Trialetian Mt.R.
60	***lutshniki (Trechus)*** BELOUSOV 1987	------G------------------ Gc2: from Shalbuzdagh to Bazar-Dyuzi
	= *kuruschensis (Trechus)* FRANZ 1991 **Syn. nov.**[244]	
61	***shakhensis (Trechus)*** BELOUSOV 1987	------G------------------ Gc2: N slope Shakhdagh
62	***walteri (Trechus)*** PAWLOWSKI 1978	-------H----------------- Hb: Adzharia
	The ***'liopleurus'*** species group	
63	***gagrensis (Trechus)*** JEANNEL 1927	------G------------------ Ga13: from Tuapse to Bzyb and B.Tkhatsh
64	***hoppi (Trechus)*** JEANNEL 1927	------G------------------ Ga3: S interfluve Bzyb - Kodori
	ssp. ***hoppi (Trechus hoppi, ssp.)*** JEANNEL 1927	------G------------------ Ga3: S Bzybian plateau, Gagrian Mt.R.
	ssp. ***conspicuus (Trechus hoppi, ssp.)*** JEANNEL 1960	------G------------------ Ga3: Abkhazsky Mt.R.
65	***kiapazicus (Trechus)*** BELOUSOV 1990	-------H----------------- Hc: Murovdagh
66	***liopleurus (Trechus)*** CHAUDOIR 1850	----E-GHIJ-----P----------
	ssp. ***liopleurus (Trechus liopleurus, ssp.)*** CHAUDOIR 1850	------GHIJ-----P---------- Pa only
	ssp. ***jailensis (Trechus liopleurus, ssp.)*** WINKLER 1911	----E---------------------
67	***lucidus (Trechus)*** JEANNEL 1960	------G------------------ Ga3: Mt. Mamdzyshkha
68	***phanagoriacus (Trechus)*** BELOUSOV 1990	------G------------------ Ga1: mountains from Psekups to Gelendzhik
69	***tshitsherini (Trechus)*** BELOUSOV 1987	------G------------------ Ga3: Aibga & Gagrsky Mt.R. (excl. south)
70	***utschderensis (Trechus)*** REITTER 1890	------G------------------ Ga13: from Sochi to south Aibga Mt.R.
71	***zolotikhini (Trechus)*** BELOUSOV 1990	------G------------------ Ga3: Pitsunda and extr. SW Bzybian Mt.R.
	The ***'osmanilis'*** species group [245]	
72	***taghizadehi (Trechus)*** MORVAN 1974[246]	---------J---------------- forest zone of Talysh Mts
	The ***'lederi'*** species group [247]	
73	***amblygonellus (Trechus)*** JEANNEL 1964	------G------------------ Ga3: Bzybian karst plateau
	= *amblygonus (Trechus)* JEANNEL 1960	
74	***akibensis (Trechus)*** BELOUSOV 1990	------G------------------ Ga3: Akiba
75	***badius (Trechus)*** JEANNEL 1960	------G------------------ Ga3: from Bol.Chura to Achishkho
76	***concolor (Trechus)*** JEANNEL 1960	------G------------------ Ga2: mountains at Teberda
77	***dzykhvensis (Trechus)*** BELOUSOV 1990	------G------------------ Ga3: Middle Abkhazia, basin of Gumista Riv.
78	***fortimanus (Trechus)*** REITTER 1903	------G------------------ Ga1: from Fisht Mt. to Bol.Laba Riv.
	= *hamatus (Trechus)* JEANNEL 1927	
79	***nothus (Trechus)*** JEANNEL 1960	------G------------------ Ga1: from Bol.Zelenchuk to Mal.Laba riv.
	= *inuus (Trechus)* JEANNEL 1960 **Syn. nov.**[248]	
80	***tychus (Trechus)*** JEANNEL 1960 **Stat. nov.**[115]	------G------------------ Ga1: from source of Mzymta to Khuko
81	***khaledicus (Trechus)*** BELOUSOV 1990	------G------------------ Gb3: Lower Svanetia
82	***lederi (Trechus)*** REITTER 1878	------G------------------ Gb2: Kazbegi
83	***luteolus (Trechus)*** JEANNEL 1960	------G------------------ Ga3: from Aibga to Chugush
	ssp. ***luteolus (Trechus luteolus, ssp.)*** JEANNEL 1960	------G------------------ Ga3: from right bank Mzymta to Chugush
	ssp. ***vagans (Trechus luteolus, ssp.)*** JEANNEL 1960	------G------------------ Ga3: high altitude Aibga Mt.R.
84	***beatus (Trechus)*** REITTER 1903	------G------------------ Ga1: between riv. Belaya - Urushten
85	***ronchettii (Trechus)*** REITTER 1911	------G------------------ Gb1: N slope of Elbrus Mt., above 3000 m
86	***sagax (Trechus)*** JEANNEL 1960	------G------------------ Ga2: N watershed in source of Tederda Riv.
85	***scitus (Trechus)*** JEANNEL 1960	------G------------------ Gb1: Skalistyi Mt.R.: Bol.Kinzhal
86	***sodalis (Trechus)*** JEANNEL 1960	------G------------------ Ga1: cuesta from Nagoi-Tshuk to Oshten Mt.
87	***teberdanus (Trechus)*** JEANNEL 1960	------G------------------ Ga2: middle part of Teberda Mt.R.
88	***davidiani (Trechus)*** BELOUSOV 1989	-------H----------------- Hc: Murovdagh Mt.R.
	The ***'gravidus'*** species group	
89	***gravidus (Trechus)*** PUTZEYS 1870[249]	------GH----------------- Ga13Hb: Colchis, excl. Megrelia
	= *latipennis (Trechus)* CHAUDOIR 1844	
	ssp. ***gravidus (Trechus gravidus, ssp.)*** PUTZEYS 1870	-------H----------------- Hb: Adzharo-Imeretian Mt.R.
	ssp. ***jeanneli (Trechus gravidus, ssp.)*** PAWLOWSKI [nom. nud.]	------G------------------ Ga13

242 It includes the species of the *'bradycelloides'* lineage sensu Pawlowski (1979) as well as a part of the *'liopleurus'* group sensu Jeannel (1960) . The fact that *T. bradycelloides* is a junior synonym of *T. fusculus* leads us to change the name of the group (I. Belousov) .

243 Based on a restudy of a cotype, Putzeys erred in treating *T. fusculus* as a smaller specimen of *T. quadristriatus*. This false standpoint was accepted by all subsequent authors except Tschitschérine (1904) , who suggested conspecificity of *T. bradycelloides* Rtt. and *T. fusculus* Motsch. A restudy of the type series of *fusculus* (kept in ZMM) has allowed to confirm Tschitschérine's opinion. The type series is labelled *Trechus fusculus* mihi, Alp. Cauc., Krestovy, Alp., with the lectotype, “, designated herewith. The viewpoint of Jeannel who stated that the name *fusculus* be rejected as having been accompanied by no diagnosis cannot be accepted either. In the original description, the species had been compared with *rubens*, with an account neither shorter nor less detailed than numerous other descriptions by Motschulsky (I. Belousov) .

244 Franz (1991) seems to gave been unaware of the description of *T. lutschniki*, this resulting in its redescription as a new species from the same locality (I. Belousov) .

245 The group is very close to the *'liopleurus'* one as accepted here, so its retention might be reconsidered in the future (I. Belousov) .

246 Originally described from Iran, the species has since been collected by A. Koval in the forested parts of Talysh Mts in Azerbaijan (I. Belousov) .

247 This is a highly heterogeneous group. Its individual subgroups are often separated between themselves more strongly than, for instance, from some Central Asian or Siberian groups. Its splitting may well follow in the future (I. Belousov) .

248 A comparative restudy of the types of all three taxa (kept in MHNP) has unravelled that the names *nothus* Jeannel and *inuus* Jeannel actually belong to a single species, whereas *tychus* Jeannel, originally described as a subspecies of *inuus*, must be considered as a good species of its own (I. Belousov) .

249 The nomenclature of the species of this group is greatly confused. Jeannel (1960) was very accurate in describing the differences between two really existing species, i.e. *tumidus* and *gravidus*, but erred in interpreting the latter's locus typicus. Later that mistake was corrected by Pawlowski (1979) , who also suggested the identity of *tumidus* and *gravidus* sensu Jeannel. Hence the species from the Caucasus Major remained without valid name. In the zoogeographical part of his paper, Pawlowski referred to the taxon as *Trechus jeanneli* Pawl. (1979, p. 439) , but provided neither description nor type designation of that species. Perhaps he meant to do all that in a later publication, which he even quoted in the list of references as in press. Yet that paper seems to have never appeared. To exacerbate the situation, the main difficulty, however, concerns the real relationships between these two taxa. Both Jeannel (1960) and Pawlowski (1979) considered these species as being separated geographically by the Rioni River valley, yet in fact they appear sympatric at least in East Abkhazia and West Megrelia. The true *T. gravidus* isolates are annectent in morphometric characters and may prove to be transitional toward either of these species. Besides, it cannot be excluded that both coexist also in the E part of the Meskhetian Mt. Range. If so, then even the superficially wrong treatment as presented by Jeannel (1960) can prove correct (I. Belousov) .

90 ***tumidus (Trechus)*** JEANNEL 1960 ------GH---------- Ga3b34: from Akiba to Racha; ?Hb: Meskhetian Mt.R.

91 ***heniochicus (Trechus)*** LJOVUSCHKIN 1970[250] ------G---------- Ga3: Vorontsovskaya Cave

The *'grandiceps'* species group [251]

92 ***cephalotellus (Trechus)*** BELOUSOV **Nom. nov.**[252] ------G---------- Gb3: upper Svanetia: Zagor Pass
= *cephalotes (Trechus)* JEANNEL 1960 [non PUTZEYS 1870]

93 ***platypterellus (Trechus)*** BELOUSOV **Nom. nov., Stat. nov.**[253] ------G---------- Gb3: upper Svanetia: Becho Pass
= *platypterus (Trechus)* JEANNEL 1960 [non STURM 1825]

94 ***grandiceps (Trechus)*** REITTER 1885 ------G---------- Gb3: upper Svanetia: Latpari Pass

95 ***kezadonicus (Trechus)*** BELOUSOV 1989 ------G---------- Gb2: N slope of Uazakhokh Mt.

96 ***kodoricus (Trechus)*** BELOUSOV 1989 ------G---------- Ga3: E part of Kodorian Mt.R.

97 ***letshkhumicus (Trechus)*** BELOUSOV 1989 ------G---------- Gb3: Lechkhumi

98 ***svanicus (Trechus)*** BELOUSOV 1989 ------G---------- Gb3: middle part of Svanetian Mt.R.

The *'concinnus'* species group [254]

99 ***concinnus (Trechus)*** TSCHITSCHÉRINE 1904 ------G---------- Ga1: NW Caucasus to S. Aibga Mt.
= *poljanensis (Trechus)* ROUBAL 1916

100 ***dioscuricus (Trechus)*** BELOUSOV 1990 ------G---------- Ga3: Abkhazsky Mt.R.: Chedym Mt.

101 ***gusevi (Trechus)*** BELOUSOV 1990 ------G---------- Ga3: Kodorian Mt.R.

The *'alpigradus'* species group

102 ***alpigradus (Trechus)*** REITTER 1888 ------G---------- Ga1: from Tshernogorie to Bol.Tkhach

103 ***arnoldii (Trechus)*** BELOUSOV 1987[255] ------G---------- Ga1: from Novorossiisk to Maikop
= *zierisi (Trechus)* P.MORAVEC 1987 **Syn. nov.**

104 ***zamotajlovi (Trechus)*** BELOUSOV 1990 ------G---------- Ga1: Tuapse: Olginka River valley

The *'montanellus'* species group

105 ***pseudomontanellus (Trechus)*** RIZUN 1994 A----------
? *montanellus (Trechus)* GEMMINGER et HAROLD 1862 [part.] The record from the Ukrainian Carpathian is erroneous

The *'amplicollis'* species group

106 ***amplicollis (Trechus)*** FAIRMAIRE 1859 A----------
= *sculptus (Trechus)* SCHAUM 1860

107 ***apicalis (Trechus)*** MOTSCHULSKY 1845 ----------VWXYZ VeWbcXZ
= *kamtchatkensis (Trechus)* PUTZEYS 1847

108 ***nakagurai (Trechus)*** UÉNO 1960 ----------YZ
ssp. ***nakagurai (Trechus nakagurai, ssp.)*** UÉNO 1960 ----------Y- Yb: Sikhote-Alin
ssp. ***sachalinensis (Trechus nakagurai, ssp.)*** LAFER 1989 ----------Z Za

The *'rubens'* species group

109 (***rubens (Trechus)*** FABRICIUS 1792) [256] ABCD--G----------UV---- UcVa
= (*paludosus (Trechus)* GYLLLENHAL 1810)
= (*palpalis (Trechus)* DUFTSCHMID 1812)
= *pallidus (Trechus)* STURM 1825
= *marginalis (Trechus)* DALLA TORRE 1889

The *'subnotatus'* species group

110 ***quadrimaculatus (Trechus)*** MOTSCHULSKY 1850[257] ------GH-J---------- HbcGb24c1: all SW Transcaucasia, C & E Caucasus
= *agilis (Trechus)* MOTSCHULSKY 1850
= *subnaevulus (Trechus)* REITTER 1903
= *dorsiger (Trechus)* REITTER 1903
= *caucasicus (Trechus)* REITTER 1903
= *inornatus (Trechus)* TSCHITSCHÉRINE 1904
= *caucasicola (Trechus)* TSCHITSCHÉRINE 1904
= *esfiandiarii (Trechus)* MORVAN 1974

111 ***pilisensis (Trechus)*** CSIKI 1917 [nom. pro *testaceus* DUFTSCHMID 1812] A---------- Aa
= *palpalis (Trechus)* DEJEAN 1831
= *testaceus (Trechus)* DUFTSCHMID 1812
= *andreinii (Trechus)* JEANNEL 1921
= *sudeticus (Trechus)* PAWLOWSKI 1975

The *'micrangulus'* species group [258]

112 ***ketmenicus (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Rb: Ketmen, Karatau Mt.R.

113 ***valikhanovi (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Rb: Basulytau Mt.R. (E Terskei Alatoo)

114 ***goliath (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: East Terskei Alatoo
ssp. ***goliath (Trechus goliath, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: Gorge Bayankol and Ulken-Kokpak Riv.
ssp. ***karkarensis (Trechus goliath, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: Gorge Karkara Riv.

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250 The specific status of the taxon remains questioned. In spite of special efforts to collect topotypes, no species different from *T. gravidus* has been taken. The differences indicated in the description are too slight in view of the pronounced variation range of *gravidus*. The problem becomes the more so difficult to resolve as the types of the species, claimed to have been housed in ZMM, have not been located (I. Belousov) .

251 This is a sharply delimited group habitually similar to *Duvalius*. Some particulars in the structure of the endophallus coupled with the pubescent protibiae favor their possible affinities (I. Belousov) .

252 Both names introduced by Jeannel to denominate two subspecies of the Svanetian species appear preoccupied, hence renamed here following the pattern traditionally accepted as regards the Caucasian *Trechus* (I. Belousov) .

253 The species has been described as a subspecies of *cephalotes* Jeannel. However, based on genital structure, it belongs in fact to a different lineage of the *'grandiceps'* group (I. Belousov) .

254 A well-defined natural species group extracted from the *'caucasicus'* group. (I.Belousov)

255 Nomenclaturally, the name *arnoldii* has priority (I. Belousov) .

256 The species has been discovered recently in the Caucasus. Like in Western Europe, it displays thus a continuous distribution in the north and a patchy one in the montane areas in the south (I. Belousov) .

257 The literature is full of notions concerning this species' unusually pronounced variation both in body shape and coloration. All this has resulted in a number of synonyms. Perhaps some of these warrant revalidations as subspecies, yet the problem requires a special statistic analysis (I. Belousov) .

258 Discovery of males of the genus' first two constituent species from Central Asia, *micrangulus* and *bodemeyeri*, has allowed to establish that both are to be referred to a single group in which species are interconnected due to numerous and gradual transitions. We restore here the *'micrangulus'* group name to encompass species formerly assigned to the *'pavlovskii'* group as well as the Central Asian representatives of the *'almonius'* group. Apparently, the group concerned deserves splitting into a number of smaller natural subgroups. No solution of the problem appears possible without a careful investigation of *Trechus* materials from the Chinese Dzhungaria (I. Belousov) .

ssp. ***ashutorensis (Trechus goliath, ssp.)*** BELOUSOV et KABAK 1992 ----------R-------- Rb: Riv. Ashutor in basin of Sary-Dzhaz Riv.
ssp. ***kopylensis (Trechus goliath, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Rb: Kopyl Mt.R.
115 ***batyr (Trechus)*** BELOUSOV et KABAK 1992 ----------R-------- Rb: East Terskei Alatoo
ssp. ***batyr (Trechus batyr, ssp.)*** BELOUSOV et KABAK 1992 ----------R-------- Rb: watershed Ulken - Orta-Kokpal Riv.
ssp. ***karatogani (Trechus batyr, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Rb: left bank of Bayankol Riv.
116 ***dulat (Trechus)*** BELOUSOV et KABAK 1992 ----------R-------- Rb: left bank of Bayankol Riv.
117 ***turgenicus (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Rb: left bank of Turgen-Aksu Riv.
118 ***turukensis (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: East Terskei Alatoo
ssp. ***turukensis (Trechus turukensis, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: W Sary-Dzhaz and E Kuilyu Mt.R.
ssp. ***tiupicus (Trechus turukensis, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Rb: Terskei Alatoo: Tyup Riv.
ssp. ***dzhergalanicus (Trechus turukensis, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Rb: Terskei Alatoo: Dzhergalan Riv.
119 ***bajankoli (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: E.Terskei Alatoo, Gorge Bayankol Riv.
120 ***semenovi (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rbc: E.Terskei Alatoo, Sary-Dzhaz Mt.R.
121 ***beghinorum (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: Terskei Alatoo, basin of Dzhukuchak Riv.
122 ***boghinorum (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: E Kunguei and adjacent part of Terskei Alatoo Mt.R.
123 ***ovtshinnikovi (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rbd: E Terskei Alatoo, Inner Tian-Shan
= *alyshensis (Trechus)* DEUVE et QUEINNEC 1992 **Syn. nov.**[259]
124 ***zhdankoi (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: E Terskei Alatoo, Sary-Dzhaz Mt.R.
125 ***pavlovskii (Trechus)*** JEANNEL 1962 ----------R-------- Rbd: NE of Inner Tian-Shan
= *hohlbecki (Trechus)* JEANNEL 1962 **Syn. nov.**[260]
ssp. ***pavlovskii (Trechus pavlovskii, ssp.)*** JEANNEL 1962 ----------R-------- Rb: Kirghizsky Mts - Shamsi pass
ssp. ***dolonicus (Trechus pavlovskii, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rd: from Kirghizsky Mts to Moldotoo, E Terskei Alatoo
126 ***pseudoalyshensis (Trechus)*** DEUVE et QUEINNEC 1992[261] ----------R-------- Rb: middle Terskei Alatoo, Gorge Dzhety-Oguz Riv.
127 ***zaslavskii (Trechus)*** JEANNEL 1962 ----------R-------- Rbd: middle Terskei Alatoo
128 ***placidus (Trechus)*** JEANNEL 1962 ----------R-------- Rbd: middle Terskei Alatoo
= *brezinaorum (Trechus)* DEUVE et QUEINNEC 1992 **Syn. nov.**[262]
129 ***micrangulus (Trechus)*** REITTER 1913 Chinese Tian-Shan: Aksu
130 ***bodemeyeri (Trechus)*** REITTER 1913 Chinese Tian-Shan
131 ***obliquebasalis (Trechus)*** BREIT 1914 **Stat. rest.**[263] ----------R-------- Rb: Meridionalnyi & E Terskei Alatoo Mt.R.; Aksu
132 ***dichrous (Trechus)*** REITTER 1911 Chinese Tian-Shan: Kashgar
133 ***ogouzicus (Trechus)*** DEUVE et QUEINNEC 1992 ----------R-------- Rb: middle Terskei Alatoo, Gorge Dzhety-Oguz Riv.
134 ***talgarensis (Trechus)*** JEANNEL 1929[264] ----------R-------- Rb: mt. Talgar in Zailiisky Alatoo
135 ***cryptophilus (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: E spurs of Dzhungarsky Alatau
136 ***songoricus (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: W Dzhungarsky Alatau, Mynshukyr Mts
137 ***ispulensis (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: E spur of Dzhungarsky Alatau
138 ***krasnovi (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: Dzhungarsky Alatau, Kara Riv.
139 ***processifer (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: SE Dzhungarsky Alatau, right tributary Khorgis Riv.
140 ***tshildebaevi (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: NE Dzhungarsky Alatau, E part of Kunguei Mts.
141 ***khorgosicus (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: SE portion of Dzhungarsky Alatau
142 ***dzhalair (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: SE portion of Dzhungarsky Alatau
143 ***uygurorum (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: S spurs of Chakpak-Tastau Mt.R.
144 ***tishetshkini (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: W part of Kunguei & Tastau Mt.R.
145 ***shatrovskyi (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: E Dzhungarsky Alatau, N of Sandyktash Mt.
146 ***nikolajevi (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: SE Dzhungarsky Alatau: Kaskabulak Riv.
147 ***dzhungaricus (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: Dzhungarsky Alatau, Toksanbai Mt.R.
ssp. ***dzhungaricus (Trechus dzhungaricus, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: N slope of Dzhungarsky Alatau
ssp. ***kazanensis (Trechus dzhungaricus, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Ra: S slope of Dzhungarsky Alatau, E of Toksanbai Mt.R.
148 ***tyshkanensis (Trechus)*** DEUVE et QUEINNEC 1992[265] ----------R-------- Ra: 10 km N Sarybel
149 ***kaikanicus (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: N Dzhungarsky Alatau: Kaikan Mts.
150 ***murzorum (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: SE Dzhungarsky Alatau: Zheldyaryk Riv.
151 ***exilipenis (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: SE Dzhungarsky Alatau: Muztau Mt.R.
152 ***zhabyk (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: NE Dzhungarsky Alatau
ssp. ***zhabyk (Trechus zhabyk, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: NE spurs of Dzhungarsky Alatau
ssp. ***tastavensis (Trechus zhabyk, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: N slope of E part of Tastau Mt.R.

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259 The terra typica of *T. alyshensis* (Naryn-Too Mt. Range) lies within the range of *T. ovtshinnikovi.* Morphologically, both taxa are identical, while the latter name has a few months of priority over the former (I. Belousov) .

260 The types of both species, *pavlovskii* and *hohlbecki*, derive from the same series taken by Hohlbeck at Shamsi Pass in the Kirghizsky Alatau Mt. Range. Their comparison (both kept in ZISP) has revealed a complete identity, with no differences stated by Jeannel in the shape of the pronotum holding true. The drawings of the genitalia as presented by Jeannel (1960, figs 14, 17) are crude and both but poorly correspond to the original. This synonymy has long been known to us, but the problem has been exacerbated by the presumably lost genital micropreparation of the *T. hohlbecki* type. The above loss coupled with an abundant reference collection of *pavlovskii* taken recently and covering also the Kirghizsky Alatau Mt. Range seem sufficient as a background for a formal synonymization (I. Belousov) .

261 The species is extremely close to *T. pavlovskii dolonicus*, perhaps also representing but a subspecies of *pavlovskii* (I. Belousov) .

262 The species has been described, without comparison with *T. placidus*, from not far away from the latter's type locality. Morphologically, both taxa are identical (I. Belousov) .

263 Usually considered as a synonym of *T. dichrous.* A (re) study of abundant materials of *T. obliquebasalis*, including the type series (kept in TMB and MNP) , has revealed that the latter taxon never reaches the dimensions ascribed to it in Reitter's original description, being also isolated from the *T. dichrous* distribution by a considerable distance (I. Belousov) .

264 This species remains known only from the original description, with the type presumably lost. During the last few years, no *Trechus* has been recovered in the central part of the Zailiisky Alatau Mt. Range (I. Belousov) .

265 The species remains known but from a single “. Its identity is obscure, with no *Trechus* of a comparable size and coloration having since been recovered amongst a multitude of congeners taken in the environs of Sarybel (I. Belousov) .

153 ***suan (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: E Dzhungarsky Alatau: Sandyktash & Ispul Mts
154 ***maisaicus (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: Mts on right bank of Khorgos Riv.
ssp. ***maisaicus (Trechus maisaicus, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: valley Maisai Riv.
ssp. ***tarantsha (Trechus maisaicus, ssp.)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: right tributaries Arasan & Koksal Riv.
155 ***brevicorpus (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Ra: Konzhota Mt.R.
156 ***scapulatus (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Ra: N & S slopes of middle part of Dzhungarsky Alatau
157 ***korzhun (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: S slope of Dzhungarsky Alatau: Krozhun Riv.
158 ***brevicaudis (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Ra: W Toksanbai, S slope of Dzhungarsky Alatau Mt.R.
159 ***toksanbaicus (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Ra: W part of Toksanbai Mt.R.
160 ***simplicens (Trechus)*** BELOUSOV et KABAK 1993 ----------R-------- Ra: Koyandytau & Suattau Mt.R.
161 ***pallens (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Ra: N slope Altynemel Mt.R.
162 ***liochrous (Trechus)*** JEANNEL 1962 ----------R-------- Ra: SE Dzhungarsky Alatau

The '***almonius***' species group

163 ***almonius (Trechus)*** REITTER 1903 ----------T------ Tf
164 ***angulifer (Trechus)*** BELOUSOV et KABAK 1991 ----------T------ Tb: confluence of Karakoba and Tautekeli riv.
165 ***kuraicus (Trechus)*** SHILENKOV 1995 **Nom. nov.** ----------T------ Td
= (*alticola (Trechus)* KHNZORIAN 1971) [non WOLLASTON 1854]
166 ***holzun (Trechus)*** SHILENKOV et SOKOLOV 1987 ----------T------ Tb: Kholzun & Mal.Listvyaga Mt.r.
167 ***korotyaevi (Trechus)*** SHILENKOV 1982 ----------T------ Tg
168 ***stanovskyi (Trechus)*** P.MORAVEC 1993 ----------T------ Te: Borus Mt.R.
169 ***janaki (Trechus)*** P.MORAVEC 1993 ----------T------ Td
= *juliannae (Trechus)* SHILENKOV [nom. nud.]
170 ***sajanensis (Trechus)*** P.MORAVEC 1993 ----------T------ Te: Borus Mt.R.
171 ***teletskianus (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Td: SE of Lake Teletskoe
172 ***lomakini (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Td: E of Lake Teletskoe
173 ***kantegiricus (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Te: Dzhebashsky Mt.R.
174 ***karasibensis (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Te: Dzhebashsky Mt.R.
175 ***onicus (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Te: Sailyug-Khem-Tayga Mt.R.
176 ***sambylensis (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Te: Dzhebeshsky Mt.R., Sambyl Mt.
177 ***manensis (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Tf: E part of Mana Riv. basin
178 ***minaicus (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Tf: Interfluve Mina & Mana Riv.

The '***terskeiensis***' species group

179 ***terskeiensis (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rbc
ssp. ***terskeiensis (Trechus terskeiensis, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rbc: E Terskei Alatoo, Inner Tian-Shan
ssp. ***tamgaicus (Trechus terskeiensis, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rb: Terskei Alatoo - Tamga Riv.
180 ***susamyrensis (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rd: Susamyr Mt.R.
181 ***talassicus (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rd: E part of Talassky Alatau
182 ***narynensis (Trechus)*** BELOUSOV et KABAK 1991 ----------R-------- Rd Naryn-Too, Baiduly, Dzhetim Mt.R.
ssp. ***narynensis (Trechus narynensis, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rd: Naryn-Too, Baiduly, Son-Kul, Dzhetim Mt.R.
= *brezinai (Trechus narynensis, syn.)* DEUVE et QUEINNEC 1992 **Syn. nov.**[266]
ssp. ***iriensis (Trechus narynensis, ssp.)*** BELOUSOV et KABAK 1991 ----------R-------- Rd: Naryn-Too: Gorge Irisu
183 ***merenicus (Trechus)*** BELOUSOV et KABAK 1994 ----------R-------- Rd: SE Susamyr Mt.R., E Kobuksu Riv.
184 ***ferghanicus (Trechus)*** BELOUSOV et KABAK 1992 ----------R-------- Re: Fergansky Mt.R.: Kara-Alma

The '***adustus***' species group

185 ***turkestanicus (Trechus)*** BELOUSOV et KABAK 1991 ----------S------- Sc: Turkestansky Mt.R.: Zaaminsky Distr.
186 ***arrisi (Trechus)*** JEANNEL 1962 ----------S------- Sa: Alai Mt.R., Irkeshtam
187 ***jugivagus (Trechus)*** LUTSHNIK 1930 ----------S------- Sb: Zaalaisky Mt.R.
188 ***demissus (Trechus)*** JEANNEL 1962 ----------S------- Sc: Turkestansky Mt.R. S of Isfana
189 ***animosus (Trechus)*** JEANNEL 1962 ----------R-------- Rd: N slope of At-Bashi Mt.R.
190 ***adustus (Trechus)*** JEANNEL 1962 ----------S------- Sa: Alai Mt.R., Taldyk Pass
191 ***alajensis (Trechus)*** BELOUSOV et KABAK 1994 ----------S------- Sa: Kichik-Alai Mt.R.

incertae sedis

192 ***kurentzovi (Trechus)*** LAFER 1989 ----------Y- Yb: Partizansky & Przhevalskogo Mt.r.
193 ***tardokijanensis (Trechus)*** LAFER 1989 ----------Y- Ya: Tardoki-Yani Mt.R.
194 ***shushensis (Trechus)*** BELOUSOV et KABAK 1994 ----------T------ Teg

Tribe *TACHYINI*

= *LIMNASTINI*

Genus ***Tachys*** STEPHENS 1829

Type species: *Trechus scutellaris* STEPHENS 1828

Subgenus ***Tachys*** STEPHENS 1829

Type species: *Trechus scutellaris* STEPHENS 1828

1 ***angustulus (Tachys)*** REITTER 1899 --------I------P-RS-------
2 ***centralis (Tachys)*** J.SAHLBERG 1900 ----------P----------
3 ***lencoranus (Tachys)*** CSIKI 1928 -----FG-I------PQR--------
4 (***scutellaris (Tachys)*** STEPHENS 1829) ---DEF--------OPQR--------
5 ***vittatus (Tachys)*** MOTSCHULSKY 1850 ---D--G-------OPQ---------
6 ***atamuradovi (Tachys)*** KRYZHANOVSKIJ et MICHAILOV 1987 ----------P----------

266 The species has been described from within the range of *T. narynensis*, morphologically being also indistinguishable from the latter. The name *narynensis* has priority (I. Belousov) .

Subgenus ***Paratachys*** CASEY 1918
Type species: *Paratachys austinicus* CASEY 1918
= *Eotachys* JEANNEL 1941
Type species: *Elaphropus bistriatus* DUFTSCHMID 1812
= *Macrotachys* KULT 1961
Type species: *Bembidium fulvicollis* DEJEAN 1831

7 (***bistriatus (Tachys)*** DUFTSCHMID 1812) -BCDEFG-I-----OP-R-T------ RaTa
= *elongatus (Tachys)* DEJEAN 1831
= *rufulus (Tachys)* REY 1882
= *obtusiusculus (Tachys)* JEANNEL 1941
= *vandeli (Tachys)* MATEU 1954
8 ***centriustatus (Tachys)*** REITTER 1874 ---D----------OP----------
9 ***exaratus (Tachys)*** H.BATES 1873 ----------------------Y-
10 (***fulvicollis (Tachys)*** DEJEAN 1831) ---DEFG-I------P----------
11 (***micros (Tachys)*** FISCHER von WALDHEIM 1828) A-CDEFG------NOPQ---U----- Uc
= *gregarius (Tachys)* CHAUDOIR 1844
12 ***pallescens (Tachys)*** H.BATES 1873 ----------------------Y-
13 ***palustris (Tachys)*** REITTER 1894 ----------------R-------- Re
14 ***turkestanicus (Tachys)*** CSIKI 1928 ---DEFG-------OPQ-S-------
= *striolatus (Tachys)* REITTER 1894
15 ***tschitscherini (Tachys)*** KHNZORIAN 1962 --------I----------------8 loc. typ. Armenia, Arazdaian

Genus ***Polyderis*** MOTSCHULSKY 1862
Type species: *Tacys minutissima* MOTSCHULSKY 1862 [= *T.brevicornis* CHAUDOIR 1850]
= *Microtachys* CASEY 1918
Type species: *Tacys laevis* SAY 1829
= *Neotachys* KULT 1961
Type species: *Tachys algiricum* LUCAS 1846

1 (***brevicornis (Polyderis)*** CHAUDOIR 1850) ------GHI----------------
= (*minutissimus (Polyderis)* MOTSCHULSKY 1850)
= (*nanniusculus (Polyderis)* PÉRINGUEY 1896)
= (*pusillimus (Polyderis)* PÉRINGUEY 1896)
= (*minutissimus (Polyderis)* PÉRINGUEY 1908) [non MOTSCHULSKY 1850]
2 (***cardioderus (Polyderis)*** CHAUDOIR 1846) ------G-I----------------

Genus ***Elaphropus*** MOTSCHULSKY 1839
Type species: *Elaphropus caraboides* MOTSCHULSKY 1839
= *Tachylopha* MOTSCHULSKY 1862
= *Barytachys* CHAUDOIR 1868
Type species: *Tachys incurvinus* SAY 1834
= *Trepanotachys* ALLUAUD 1933
Type species: *Tachys haemorroidalis* PONZA 1895
= *Tachyphanes* JEANNEL 1946

Subgenus ***Elaphropus*** MOTSCHULSKY 1839
Type species: *Elaphropus caraboides* MOTSCHULSKY 1839

1 ***latissimus (Elaphropus)*** MOTSCHULSKY 1851 ----------------------Y- Yb
= *bifoveatus (Elaphropus)* MÄKLIN 1871
2 ***caraboides (Elaphropus)*** MOTSCHULSKY 1839 -----FGHI----------------
= *globosus (Elaphropus)* CHAUDOIR 1846
3 (***zouhari (Elaphropus)*** JEDLIªKA 1961) ----------V--YZ

Subgenus ***Tachyura*** MOTSCHULSKY 1862
Type species: *Elaphropus quadrisignatus* DUFTSCHMID 1812

4 ***anomalus (Elaphropus)*** KOLENATI 1845 ------G-I----------------
5 (***bodemeyeri (Elaphropus)*** FLEISCHER 1915) --------I---------- Ib
6 ***decoloratus (Elaphropus)*** CHAUDOIR 1850 ------G-I-----OPQRST------ Ta
7 (***diabrachys (Elaphropus)*** KOLENATI 1845) A--D-FGHI------P----------
= *inaequale (Elaphropus)* REITTER 1884
8 ***euphraticus (Elaphropus)*** REITTER 1885 ---------------PQ---------
9 ***fuscicauda (Elaphropus)*** H.BATES 1873 ----------------------Z Zb
10 ***gradatus (Elaphropus)*** H.BATES 1873 ----------------------Y- Yb
11 (***parvulus (Elaphropus)*** DEJEAN 1831) A--D----------
12 (***quadrisignatus (Elaphropus)*** DUFTSCHMID 1812) A--D----------
13 (***sexstriatus (Elaphropus)*** DUFTSCHMID 1812) ----E----------
14 ***tetraspilus (Elaphropus)*** SOLSKY 1874 ---------------PQ-S-------
15 ***thoracicus (Elaphropus)*** KOLENATI 1845 ------G----------

Subgenus ***Amaurotachys*** JEANNEL 1946
Type species: *Tachys alberti* BOURGEOIS 1898

16 ***grandicollis (Elaphropus)*** CHAUDOIR 1846 ------G-I----------------

Subgenus ***Sphaerotachys*** J.MÜLLER 1926
Type species: *Tachys haemorroidalis* PONZA 1805

17 (***haemorroidalis (Elaphropus)*** PONZA 1805) A----FGHIJ------Q---------
= *crassescens (Elaphropus)* PÉRINGUEY 1896

Genus ***Porotachys*** NETOLITZKY 1914
Type species: *Trechus bisulcatus* NICOLAI 1822

1 (***bisulcatus (Porotachys)*** NICOLAI 1822) AB-D--GH----------
= (*focki (Porotachys)* HUMMEL 1822)
= (*frontalis (Porotachys)* HAYWARD 1900)

Genus ***Tachyta*** KIRBY 1837
Type species: *Tacys picipes* KIRBY 1837 [= *T.nana* GYLLLENHAL 1810]
= *Tachymenis* MOTSCHULSKY 1857

Type species: *Tachyta nana* GYLLLENHAL 1810

1 (***nana (Tachyta)*** GYLLLENHAL 1810) `ABCDEFGHIJ-LM----R-TUVW-YZ`
= (*picipes (Tachyta)* KIRBY 1837)
2 ***angulata (Tachyta)*** CASEY 1918 `--------------------U-W--- Ud: Yakutia`

Genus ***Lymnastis*** MOTSCHULSKY 1862

Type species: *Limnaeum indicum* MOTSCHULSKY 1851
= *Limnastis* auct.
= *Zuphiolum* FAIRMAIRE 1896
Type species: *Bembidion angusticeps* FAIRMAIRE 1896

1 ***galilaeus (Lymnastis)*** PIOCHARD de la BR¯LERIE 1875 `-----F-H------------------`
2 ***tesquorum (Lymnastis)*** L.ARNOLDI et KRYZHANOVSKIJ 1964 `--------------O-----------`
ssp. ***tesquorum (Lymnastis tesquorum, ssp.)*** L.ARNOLDI et KRYZHANOVSKIJ 1964 `--------------O-----------`
ssp. ***lutshniki (Lymnastis tesquorum, ssp.)*** L.ARNOLDI et KRYZHANOVSKIJ 1964 `-----F--------------------`

Tribe *BEMBIDIINI*

Genus ***Asaphidion*** DES GOZIS 1886

Type species: *Cicindela flavipes* LINNAEUS 1761
= *Tachypus* DEJEAN 1821 [non WEBER 1801]
Type species: *Elaphrus picipes* DUFTSCHMID 1812

1 (***angulicolle (Asaphidion)*** A.MORAWITZ 1862) [non STEPHENS 1828] `------------------------Y-`
2 ***austriacum (Asaphidion)*** SCHWEIGER 1975[267] `------GH------------------`
3 (***caraboides (Asaphidion)*** SCHRANK 1781) `A----FG--------------------`
ssp. (***caraboides (Asaphidion caraboides, ssp.)*** SCHRANK 1781) `A-------------------------`
= (*picipes (Asaphidion)* DUFTSCHMID 1812)
ssp. (***varipes (Asaphidion caraboides, ssp.)*** MOTSCHULSKY 1856) `-----FG--------------------`
= (*nigripes (Asaphidion caraboides, syn.)* MOTSCHULSKY 1856)
4 ***cupreum (Asaphidion)*** ANDREWES 1925 `---------------------UV----`
5 (***flavicorne (Asaphidion)*** SOLSKY 1874) [268] `--------I---------S------- Ib`
= (*abnormicolle (Asaphidion)* HEYDEN 1882) **Syn. nov.**
6 (***flavipes (Asaphidion)*** LINNAEUS 1761) `ABCDEF---J---NO-----------`
= (*impressum (Asaphidion)* FOURCROY 1785)
= (*quadripunctatum (Asaphidion)* GOEZE 1778)
7 (***pallipes (Asaphidion)*** DUFTSCHMID 1812) `ABCDEFG-----MN-----TUV----`
8 (***pictum (Asaphidion)*** KOLENATI 1845) `------GH------------------ HcGc`
9 (***semilucidum (Asaphidion)*** MOTSCHULSKY 1862) `------------------------Y-`
= (*nubiferum (Asaphidion)* A.MORAWITZ 1862)
10 ***subtile (Asaphidion)*** BREIT 1912[269] `-----------------RS------- Sca`
11 ***transcaspicum (Asaphidion)*** SEMENOV 1889 `---------------P-RST------`
12 ***ussuriense (Asaphidion)*** JEDLIªKA 1965 `------------------------Y-`

Genus ***Ocys*** STEPHENS 1829

Type species: *Bembidion tempestivum* STEPHENS 1828 [= *B.harpaloides* SERVILLE 1821]

Subgenus ***Ocys*** STEPHENS 1829

Type species: *Bembidion tempestivum* STEPHENS 1828 [= *B.harpaloides* SERVILLE 1821]

1 ***pravei (Ocys)*** LUTSHNIK 1926 `-------H------------------`
2 (***quinquestriatus (Ocys)*** GYLLLENHAL 1810) `AB----G--------------------`
3 ***pseudepaphius (Ocys)*** REITTER 1902 `----E---------------------`

Subgenus ***Oreocys*** PEYERIMHOFF 1908[270]

Type species: *Bembidion bedeli* PEYERIMHOFF 1908

4 ***trechoides (Ocys)*** REITTER 1895 `--------I----------------- Ib Megri Mt.R.`

Genus ***Cillenus*** SAMOUELLE 1819

Type species: *Cillenius lateralis* SAMOUELLE 1819
= *Cillenum* DEJEAN 1821 [nom. emend.]

Subgenus ***Sakagutia*** UÉNO 1955

Type species: *Sakagutia marina* UÉNO 1955

1 ***marinus (Cillenus)*** UÉNO 1955 `------------------------Z`

Genus ***Bembidion*** LATREILLE 1802

Type species: *Carabus quadriguttatus* FABRICIUS 1775 [= *B.quadrimaculatum* LINNAEUS 1761]
= *Bembidium* auct.
= *Bembicidium* GEMMINGER et HAROLD 1868 [nom. emend.]

Subgenus ***Desarmatocillenus*** NETOLITZKY 1942

Type species: *Cillenus yokohamae* H.BATES 1883

1 ***yokohamae (Bembidion)*** H.BATES 1883[271] `------------------------Z Za`

Subgenus ***Microserrullula*** NETOLITZKY 1921

Type species: *Bembidion aegyptiacum* DEJEAN 1831

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267 This species is known from most of the Caucasus, where it replaces *A. flavipes*. The latter has been recorded only in the Talysh Mts (I. Belousov) .

268 This is the sole Middle Asian representative of the *flavipes*-group characterized by the sides of the pronotum angularly protruding near the lateral pores. This feature was clearly indicated by Heyden in his original description. The species has hitherto been reported from southern Middle Asia, we have discovered it also in Nakhichevan and Armenia (I. Belousov) .

269 A poorly-known species easy to identify due to the delicately punctured upperside noted by Breit in the original description. Together with *A. flavicorne*, it replaces *A. flavipes* in the mountains of Middle Asia (I. Belousov) .

270 The opinion seems justified, shared also by Ledoux (1974) , that the Subgenus is composite, where the most strongly specialized cryptophiles from the previous Subgenus, all scattered over the vast areas of the ancient Mediterranean, are entrapped. Yet we retain it here as a name highly convenient for taxonomic purposes (I. Belousov) .

271 Only 1” is known to us from Sakhalin. This record extends considerably the range of the species far to the north. The species has hitherto been reported only from central and southern Japan (I. Belousov) .

= *Serrula* NETOLITZKY 1910 [non MOERCH 1782]
Type species: *Bembidion aegyptiacum* DEJEAN 1831

2 ***apicale (Bembidion)*** MÉNÉTRIÉS 1832 ----------P---------- Pa
3 (***quadricolle (Bembidion)*** MOTSCHULSKY 1844) ---D-FG------NOPQ--------- FHaPIJ
= *incerticeps (Bembidion)* CHAUDOIR 1850
var. *guemischanense (Bembidion quadricolle, var.)* EICHLER 1924

Subgenus ***Bracteon*** BEDEL 1879
Type species: *Elaphrus litorale* OLIVIER 1790
= *Chrysobracteon* NETOLITZKY 1914
Type species: *Carabus velox* LINNAEUS 1761
= *Parabracteon* NOTMAN 1929
Type species: *Bembidion carinula* CHAUDOIR 1850
= *Argyrobracteon* NETOLITZKY 1942
Type species: *Bembidion argenteolum* AHRENS 1812
= *Conicibracteon* NETOLITZKY 1942
Type species: *Bembidion stenoderum* H.BATES 1873
= *Foveobracteon* NETOLITZKY 1942
Type species: *Bembidion foveum* MOTSCHULSKY 1844
= *Litoreobracteon* NETOLITZKY 1942
Type species: *Elaphrus litorale* OLIVIER 1790
= *Stylobracteon* NETOLITZKY 1942
Type species: *Bembidion baicaloussuricum* NETOLITZKY 1942

4 (***argenteolum (Bembidion)*** AHRENS 1812) -BCD-FG---KLM------TUV----
= (*azureum (Bembidion)* GEBLER 1833)
= *chalybaeum (Bembidion)* STURM 1843 [nom. nud.]
= (*glabriusculum (Bembidion)* MOTSCHULSKY 1844)
var. *amethystinum (Bembidion argenteolum, var.)* MEIER 1899
var. *virens (Bembidion argenteolum, var.)* SCHILSKY 1908
5 ***foveum (Bembidion)*** MOTSCHULSKY 1844 -B--------K---------U--XY-
= *bryanti (Bembidion)* CARR 1932 [part.]
= *beringi (Bembidion)* NETOLITZKY 1942
= *grahami (Bembidion)* HATCH 1951
6 ***lapponicum (Bembidion)*** ZETTERSTEDT 1828 -B--------KL-N-----TUVWX--
= *jenisseense (Bembidion)* J.SAHLBERG 1880
= (*latiusculum (Bembidion)* MOTSCHULSKY 1844)
= *bryanti (Bembidion)* CARR 1932 [part.]
= *pugetanum (Bembidion)* FALL 1916
7 (***litorale (Bembidion)*** OLIVIER 1790) ABCD-------LMN-----TUV----
= (*paludosus (Bembidion)* PANZER 1794)
= *elegans (Bembidion)* GERMAR 1824
var. *caeruleum (Bembidion litorale, var.)* KRYNICKI 1832 [non SERVILLE 1826]
8 ***conicolle (Bembidion)*** MOTSCHULSKY 1844 ------------------TUVW-YZ
= *baicalo-ussuricum (Bembidion)* NETOLITZKY 1942
= *baicaloussuricum (Bembidion)* auct.
9 ***semenovi (Bembidion)*** LINDROTH 1965 ------------------T------ Lake Altai
10 ***stenoderum (Bembidion)*** H.BATES 1873 ----------------------Y-
= *uenoshiba (Bembidion)* JEDLIˢKA 1965
11 (***velox (Bembidion)*** LINNAEUS 1761) ABC-------KLM------TUVWXY-
= (*impressum (Bembidion)* PANZER 1797)
= *guentheri (Bembidion)* SEIDLITZ 1887
= (*striatus (Bembidion)* PAYKULL 1798) [non FABRICIUS 1792]
var. *semicyaneum (Bembidion velox, var.)* MEIER 1899
ab. *bimaculatum (Bembidion velox, ab.)* UYTTENBOOGAART 1904
ab. *nigrescens (Bembidion velox, ab.)* KUHNT 1913
ab. *moestum (Bembidion velox, ab.)* CSIKI 1928
ab. *evertsi (Bembidion velox, ab.)* CSIKI 1928
12 ***alaskense (Bembidion)*** LINDROTH 1963 ----------------------X--
= *colvillense (Bembidion)* LINDROTH 1965

Subgenus ***Odontium*** LECONTE 1848
Type species: *Bembidion coxendix* SAY 1832 [non JEANNEL 1941]
= *Cylindrobracten* NETOLITZKY 1939
Type species: *Bembidion fusiforme* NETOLITZKY 1942

13 ***foraminosum (Bembidion)*** STURM 1825 A-CD----------
= (*bipunctatum (Bembidion)* DUFTSCHMID 1812)
= *striatum (Bembidion)* JACQUELIN du VAL 1851 [part.]
14 (***suturale (Bembidion)*** MOTSCHULSKY 1850) ------GHI------P---------- GIHPa
15 ***narzikulovi (Bembidion)*** KRYZHANOVSKIJ 1972 ------------------S------- loc.typ.: Tajikistan: Lyabedzhar
16 ***persimile (Bembidion)*** A.MORAWITZ 1862 ----------------------V--Y-
17 (***striatum (Bembidion)*** FABRICIUS 1792) ABCD-FG----L-N------------
= (*orichalcinum (Bembidion)* DUFTSCHMID 1812)
ab. *nigrescens (Bembidion striatum, ab.)* SCHILSKY 1888
= *hamburgensis (Bembidion)* MEIER 1899
= *nigricans (Bembidion)* EVERTS 1922
18 ***aeneipes (Bembidion)*** H.BATES 1883 ----------------------Y-
19 ***chloropus (Bembidion)*** H.BATES 1883 ----------------------Y- Yb

Subgenus ***Eurytrachelus*** MOTSCHULSKY 1850
Type species: *Trachypachus sibiricus* MOTSCHULSKY 1844
= *Eudromus* KIRBY 1837 [non KLUG 1835]
Type species: *Bembidion nitidum* KIRBY 1837
= *Trachypachus* MOTSCHULSKY 1844 [non MOTSCHULSKY 1844: 56]
Type species: *Trachypachus sibiricus* MOTSCHULSKY 1844
= *Platytrachelus* MOTSCHULSKY 1844 [non nud., non SCHÖNHERR 1843]
= *Pogonidium* GANGLBAUER 1892
Type species: *Elaphrus laticolle* DUFTSCHMID 1812

= *Hydrium* JEANNEL 1941
Type species: *Bembidion levigatum* SAY 1823 [non LECONTE 1848]

20 (***laevibase (Bembidion)*** REITTER 1902) ----------P-RS-------
21 (***laticolle (Bembidion)*** DUFTSCHMID 1812) A--DEFG----------
22 (***pogonoides (Bembidion)*** H.BATES 1883) ----------Y- Yb
23 ***vitiosum (Bembidion)*** GEMMINGER et HAROLD 1868 ----------TUV--Y-
= (*sibiricum (Bembidion)* MOTSCHULSKY 1844) [non DEJEAN 1831]

Subgenus ***Neja*** MOTSCHULSKY 1864
Type species: *Bembidion ambiguum* DEJEAN 1831

24 ***nigricorne (Bembidion)*** GYLLLENHAL 1827 -B----------
25 ***submutatum (Bembidion)*** NETOLITZKY 1911 ----------R--------
26 ***leucoscelis (Bembidion)*** CHAUDOIR 1850[272] ------GHI----------
= *curtulum (Bembidion)* JACQUELIN du VAL 1851
= *lamprinulum (Bembidion)* REITTER 1908
? (*palpalis (Bembidion)* MOTSCHULSKY 1850)

Subgenus ***Chlorodium*** MOTSCHULSKY 1864
Type species: *Bembidion colchicum* CHAUDOIR 1850

27 ***almum (Bembidion)*** J.SAHLBERG 1900 ----------OP-RST------ Tg
ssp. ***almum (Bembidion almum, ssp.)*** J.SAHLBERG 1900 ----------OP----------
ssp. ***protalmum (Bembidion almum, ssp.)*** NETOLITZKY 1933[273] ----------RST------
28 (***difforme (Bembidion)*** MOTSCHULSKY 1844) ----------TUV--Y-
= *hammarstroemi (Bembidion)* POPPIUS 1905
? *triimpressum (Bembidion)* R.F.SAHLBERG 1844
29 ***luridicorne (Bembidion)*** SOLSKY 1874 ----------P-RS-------
30 (***luteipes (Bembidion)*** MOTSCHULSKY 1844) [274] ------GH-------P---------- Pa
= *colchicum (Bembidion)* CHAUDOIR 1850
31 (***pygmaeum (Bembidion)*** FABRICIUS 1792) ABCD----------
32 ***splendidum (Bembidion)*** STURM 1825 A--D---HI----------
= *metallicum (Bembidion)* STURM 1826
= *venustulum (Bembidion)* DEJEAN 1831
= *luridipes (Bembidion)* REICHE 1855
33 ***elbursicum (Bembidion)*** NETOLITZKY 1942 Northern Iran

Subgenus ***Metallina*** MOTSCHULSKY 1850
Type species: *Carabus lampros* HERBST 1784

= *Leja* MOTSCHULSKY 1844
Type species: *Carabus celer* FABRICIUS 1792 [= *B.lampros* HERBST 1784]

34 ***elevatum (Bembidion)*** MOTSCHULSKY 1844 ----------UV--Y-
ssp. (***elevatum (Bembidion elevatum, ssp.)*** MOTSCHULSKY 1844) ----------UV----
ssp. ***lamprosimile (Bembidion elevatum, ssp.)*** NETOLITZKY 1942 ----------Y-
35 (***lampros (Bembidion)*** HERBST 1784) ABCDEFGHI-KLMN---RSTUV----
= (*celere (Bembidion)* FABRICIUS 1792)
= (*rufipes (Bembidion)* PAYKULL 1790)
= (*velocipes (Bembidion)* ROSSI 1790)
= (*pygmaeum (Bembidion)* PAYKULL 1798)
= (*acutum (Bembidion)* MARSHAM 1802)
= *felixianum (Bembidion)* HEER 1841
= (*lithuanicum (Bembidion)* MOTSCHULSKY 1850)
ab. (*triste (Bembidion lampros, ab.)* FABRICIUS 1801)
= (*pulchellum (Bembidion)* MARSHAM 1802)
= *nigroaeneum (Bembidion)* GERHARD 1910
ab. (*oplambeum (Bembidion lampros, ab.)* MOTSCHULSKY 1844)
= *coeruleotinctum (Bembidion)* REITTER 1908
ab. *silesiacum (Bembidion lampros, ab.)* CSIKI 1928 [nom. pro *virens* KOLBE 1924]
= *virens (Bembidion)* KOLBE 1924 [non GYLLLENHAL 1827, nec SCHILSKY 1908]
36 (***properans (Bembidion)*** STEPHENS 1829) ABCDEFGHIJKLMNOPQRSTUVW-Y- excl. extreme N and high mountains
= *velox (Bembidion)* ERICHSON 1837
= *quatuordecimstriatum (Bembidion)* THOMSON 1871
= (*chalceum (Bembidion)* STEPHENS 1829)
= (*orichalceum (Bembidion)* STEPHENS 1829)

Subgenus ***Pseudometallina*** NETOLITZKY 1920
Type species: *Bembidion lamproides* NETOLITZKY 1920

37 ***cupreolum (Bembidion)*** SOLSKY 1874 ----------R-------- Samarkand
38 ***lamproides (Bembidion)*** NETOLITZKY 1920 ----------R-------- Issyk-Kul

Subgenus ***Phyla*** MOTSCHULSKY 1844
Type species: *Bembidion obtusum* SERVILLE 1821

= *Phayla* MOTSCHULSKY 1844 [nom. emend.]
= *Phaula* BEDEL 1879 [nom. emend.]
= *Microcys* J.SAHLBERG 1907
Type species: *Bembidion liliputanus* J.SAHLBERG 1907
= *Phila* auct., incorr. emend.

39 ***incommodum (Bembidion)*** NETOLITZKY 1926 ------GHI---------- HaJ
40 ***obtusum (Bembidion)*** SERVILLE 1821 -BC----------
= (*immune (Bembidion)* STEPHENS 1829)
= (*pusillum (Bembidion)* STEPHENS 1829)
= (*gracile (Bembidion)* STEPHENS 1829)
= *rectangulum (Bembidion)* JACQUELIN du VAL 1852

Subgenus ***Princidium*** MOTSCHULSKY 1864

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272 According to Netolitzky (1911, 1942) , both *B. curtulum* and *B. lamprinulum* are junior synonyms of *B. leucoscelis*. Most probably, *B. palpalis* Motsch. joins these as well (Khnzorian, 1976, p. 155) . At least we are aware of only a single species of this group populating the Caucasus (I. Belousov) .

273 This subspecies has been described by Netolitzky twice, first in 1933, and after that in 1934 (I. Belousov) .

274 Apparently, this is only a subspecies *B. splendidum* Sturm (I. Belousov) .

Type species: *Bembidion punctulatum* DRAPIEZ 1820

41 ***coreanum (Bembidion)*** JEDLIˢKA 1946 ----------Y- Yb
42 ***marthae (Bembidion)*** REITTER 1901 ----------R--------
43 ***punctulatum (Bembidion)*** DRAPIEZ 1820 ABCD-FGHIJ-----P----------
ssp. ***punctulatum (Bembidion punctulatum, ssp.)*** DRAPIEZ 1820 ABCD-F--------------------
= (*stagnorum (Bembidion)* FOURCROY 1785) [part.]
= (*striatum (Bembidion)* DUFTSCHMID 1812) [non FABRICIUS 1792]
= *aerosum (Bembidion)* ERICHSON 1837
= *velox (Bembidion)* DAWSON 1854
ab. *chlorophanum (Bembidion punctulatum, ab.)* STURM 1825
ab. *fuscoaeneum (Bembidion punctulatum, ab.)* DALLA TORRE 1877
ab. *lutzi (Bembidion punctulatum, ab.)* REITTER 1908
ssp. ***bracteonoides (Bembidion punctulatum, ssp.)*** REITTER 1908 ------GHIJ-----P---------- Pa

Subgenus ***Paraprincidium*** NETOLITZKY 1914

Type species: *Elaphrus ruficollis* PANZER 1797

44 (***ruficolle (Bembidion)*** PANZER 1797) -BCD------K-MN------------
= *volgense (Bembidion)* BECKER 1872

Subgenus ***Testedium*** MOTSCHULSKY 1864

Type species: *Carabus bipunctatus* LINNAEUS 1761

45 (***bipunctatum (Bembidion)*** LINNAEUS 1761) ABC---G---K-MN---R-T------
ssp. (***bipunctatum (Bembidion bipunctatum, ssp.)*** LINNAEUS 1761) -BC-------K-MN-----T------
= *chloropus (Bembidion bipunctatum, syn.)* DALLA TORRE 1877
ab. *chloropterum (Bembidion bipunctatum, ab.)* EVERTS 1922
ab. *unipunctatum (Bembidion bipunctatum, ab.)* EVERTS 1922
ssp. ***nivale (Bembidion bipunctatum, ssp.)*** HEER 1841 A------------------------ Aa
ab. *rufobrunneum (Bembidion bipunctatum, ab.)* HEER 1841
ab. *obscurum (Bembidion bipunctatum, ab.)* GERHARD 1910
ab. *sexpunctatum (Bembidion bipunctatum, ab.)* HEER 1841
? *laevifrons (Bembidion bipunctatum, syn.)* SCHAUFUSS 1879
ssp. ***rugiceps (Bembidion bipunctatum, ssp.)*** CHAUDOIR 1846 ------G------------------- GHIab
= *binotatum (Bembidion)* MOTSCHULSKY 1850
ssp. ***tectimundi (Bembidion bipunctatum, ssp.)*** NETOLITZKY 1943[275] ----------------R-------- Re

Subgenus ***Actedium*** MOTSCHULSKY 1864

Type species: *Elaphrus pallidipennis* ILLIGER 1802

46 (***pallidipenne (Bembidion)*** ILLIGER 1801) -BC----------------------
= (*andreae (Bembidion)* GYLLLENHAL 1810) [non FABRICIUS 1787]

Subgenus ***Notaphus*** DEJEAN 1821

Type species: *Carabus varius* OLIVIER 1795

47 ***obliquum (Bembidion)*** STURM 1825 -BC--FG---KL-------TUVWXY-
= (*fasciatum (Bembidion)* MOTSCHULSKY 1844)
= *ustulatum (Bembidion)* GYLLLENHAL 1810
ab. *immaculatum (Bembidion obliquum, ab.)* J.SAHLBERG 1873
ab. *freymuthi (Bembidion obliquum, ab.)* H.WAGNER 1915
48 (***pedestre (Bembidion)*** MOTSCHULSKY 1844) ----------T------ Tbg
49 (***semipunctatum (Bembidion)*** DONOVAN 1806) -BCD------KLMNO----TUVWXY-
= *sturmi (Bembidion)* DUFTSCHMID 1812
= (*bifasciatum (Bembidion)* STEPHENS 1829) [part.]
= *elegantulum (Bembidion)* R.F.SAHLBERG 1844
= (*alternans (Bembidion)* MOTSCHULSKY 1844)
= *rupestre (Bembidion)* DAWSON 1854 [non LINNAEUS 1767]
= *adustum (Bembidion)* SCHAUM 1860
= *accuratum (Bembidion)* CASEY 1924
50 (***varium (Bembidion)*** OLIVIER 1795) --CDEFG-----MNOP-R-TUVW-Y-
? (*ustulatum (Bembidion)* LINNAEUS 1761) [part.]
= *ustulatum (Bembidion)* STURM 1825
= (*tenebrosum (Bembidion)* MOTSCHULSKY 1844)
= *amoenulum (Bembidion)* PÉRINGUEY 1896
= *flammulatum (Bembidion)* DUFTSCHMID 1812 [non CLAIRVILLE 1806]
= (*bifasciatum (Bembidion)* STEPHENS 1829) [part.]
= *majus (Bembidion)* GYLLLENHAL 1827 [part.]
= *infuscatum (Bembidion)* SCHILLING 1846 [non DEJEAN 1831]
= *basale (Bembidion)* DALLA TORRE 1877 [non MÉNÉTRIÉS 1832]
= *apicale (Bembidion)* DALLA TORRE 1877 [non MÉNÉTRIÉS 1832]
ab. (*nebulosum (Bembidion varium, ab.)* STEPHENS 1829)
ab. *nigrocyaneum (Bembidion varium, ab.)* H.WAGNER 1916
var. *heptapotamicum (Bembidion varium, var.)* TSCHITSCHÉRINE 1895
51 ***regismontium (Bembidion)*** NETOLITZKY 1943 described from Min.Juldus

Subgenus ***Eupetedromus*** NETOLITZKY 1911

Type species: *Carabus dentellus* THUNBERG 1787

= *Eupetodromus* auct.

52 (***dentellum (Bembidion)*** THUNBERG 1787) A-CD-FG---KLMN------------
= *flammulatum (Bembidion)* CLAIRVILLE 1806
= *undulatum (Bembidion)* STURM 1825
= *majus (Bembidion)* GYLLLENHAL 1827 [part.]
var. *meridionale (Bembidion dentellum, var.)* KOLENATI 1845
53 ***dentelloides (Bembidion)*** NETOLITZKY 1943 -----------LM-------U----- Uc: Krasnoyarsk
54 ***ruthenum (Bembidion)*** TSCHITSCHÉRINE 1895 --C--------LM------------
55 ***sibiricum (Bembidion)*** DEJEAN 1831 ----------KLMN-----TUV--Y-

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275 The most characteristic representatives of this subspecies are known from the mountains of the western, northern and eastern Tian-Shan. Specimens deriving from there agree best with the characters indicated in Netolitzky's original description. Superficially, these two geographical races are distinguishable as good species, yet being equal in genital structure. Starting from the Fergansky Mt. Range, intermediates begin to occur which, further southerly, in the Pamirs and Hissar-Darvaz (as well as in northern Afghanistan) , turn into a form close to *rugiceps*. It is to denominate this form that the name *tectimundi* has frequently been used by numerous authors. The problem is further exacerbated by the fact that most of the specimens indicated by Netolitzky in the original description derive from the regions populated by forms similar to the typical *rugiceps*. In fact, only a single locality lies within the range of the form fully corresponding to *tectimundi*. Facing such a situation, for the sake of nomenclatural stability, it seems best to apply the name *tectimundi* to the race *bipunctatum* populating the western, northern and adjacent parts of the eastern Tian-Shan Mts (I. Belousov) .

= (*fuscovariegatum (Bembidion)* MOTSCHULSKY 1844)
= *amurense (Bembidion)* TSCHITSCHÉRINE 1895
= *tschitscherini (Bembidion)* JACOBSON 1906
= *inouyei (Bembidion)* HABU 1972

56 ***starki (Bembidion)*** SCHAUM 1860 A------------------------
57 ***tinctum (Bembidion)*** ZETTERSTEDT 1828 -B--------K---------U-----
58 (***incrematum (Bembidion)*** LECONTE 1860) ----------------------W---
= *dentellum (Bembidion)* auct. [non THUNBERG 1787]
= *arcuatum (Bembidion)* LECONTE 1878
= (*nigripes (Bembidion)* MANNERHEIM 1852) [non KIRBY 1837]
= *mobile (Bembidion)* CASEY 1918
= *semotum (Bembidion)* CASEY 1918
= *nubiferum (Bembidion)* CASEY 1918
= *gulosum (Bembidion)* CASEY 1918
= *fortunatum (Bembidion)* CASEY 1924
= *oblectans (Bembidion)* CASEY 1924
= *lengi (Bembidion)* NOTMAN 1919
? *obscuromaculatum (Bembidion)* MOTSCHULSKY 1859

Subgenus ***Notaphemphanes*** NETOLITZKY 1920

Type species: *Carabus ephippius* MARSHAM 1802

59 (***ephippium (Bembidion)*** MARSHAM 1802) ---D----------------------
= *pallidipenne (Bembidion)* DEJEAN 1831 [non ILLIGER 1801]

Subgenus ***Notaphocampa*** NETOLITZKY 1914

Type species: *Bembidion niloticum* DEJEAN 1831

60 ***niloticum (Bembidion)*** DEJEAN 1831 -----F--I------P--------Y-
ssp. ***hamatum (Bembidion niloticum, ssp.)*** KOLENATI 1845 -----F--I------P----------
= (*apicale (Bembidion niloticum, syn.)* MOTSCHULSKY 1844)
= *terminans (Bembidion niloticum, syn.)* GEMMINGER et HAROLD 1868
ssp. ***batesi (Bembidion niloticum, ssp.)*** PUTZEYS 1875 ----------------------Y-

Subgenus ***Philochtus*** (***Philochtus*** STEPHENS 1829)

Type species: *Carabus biguttatus* FABRICIUS 1779

= *Campa* MOTSCHULSKY 1844 [part.]

Type species: *Carabus biguttatus* FABRICIUS 1779

61 ***cumanum (Bembidion)*** LUTSHNIK 1937 -----F--------------------
62 ***aeneum (Bembidion)*** GERMAR 1824 -B----------------------
= *marinum (Bembidion)* SCHIŸDTE 1841
= *javeti (Bembidion)* JACQUELIN du VAL 1852
var. *pseudoaeneum (Bembidion aeneum, var.)* REITTER 1908
63 (***baicalicum (Bembidion)*** MOTSCHULSKY 1844) ----------UV----
= *friebianum (Bembidion)* NETOLITZKY 1926
64 (***biguttatum (Bembidion)*** FABRICIUS 1779) ABCDE-GH--K-MNO----TU----- Uc
= *guttula (Bembidion)* SERVILLE 1821
= (*fuscipes (Bembidion)* STEPHENS 1829)
= (*subfenestratum (Bembidion)* STEPHENS 1829)
= *vulneratum (Bembidion)* DEJEAN 1831
= *cyaneum (Bembidion)* DALLA TORRE 1877 [non CHAUDOIR 1846]
= *chloros (Bembidion)* DALLA TORRE 1877
ab. *dallatorrei (Bembidion biguttatum, ab.)* CSIKI 1928 [nom. pro *apicale* DALLA TORRE 1877]
= *apicale (Bembidion)* DALLA TORRE 1877 [non MÉNÉTRIÉS 1832]
ab. *verhoeffi (Bembidion biguttatum, ab.)* CSIKI 1928 [nom. pro *obscurum* VERHOEFF 1890]
= *obscurum (Bembidion)* VERHOEFF 1890 [non L.REDTENBACHER 1849]
65 ***ellipticocurtum (Bembidion)*** NETOLITZKY 1935 ------GHI----------------- IaHcGc
= *kirschenblatti (Bembidion)* LUTSHNIK 1937
66 ***escherichi (Bembidion)*** GANGLBAUER 1897 -----------------RS------- Angora, Narynkol
67 ***inoptatum (Bembidion)*** SCHAUM 1857 A---EF--------------------
= *biguttatum (Bembidion)* L.REDTENBACHER 1858
? *orbicolle (Bembidion)* MOTSCHULSKY 1850
68 ***judaicum (Bembidion)*** J.SAHLBERG 1907[276] ---------J---------------- JPa: marsh
69 ***decolor (Bembidion)*** APFELBECK 1911[277] ----------------Q---------
= *moricei (Bembidion)* PIC 1904
70 (***guttula (Bembidion)*** FABRICIUS 1792) -BCD-FGH--KLMN---R--UV----
= (*binotatum (Bembidion)* STEPHENS 1829)
= (*vittatum (Bembidion)* STEPHENS 1829)
= *bipustulatum (Bembidion)* L.REDTENBACHER 1858
ab. *friederichsi (Bembidion guttula, ab.)* CSIKI 1928 [nom. pro *nigrescens* FRIEDERICHS 1903]
= *nigrescens (Bembidion)* FRIEDERICHS 1903 [non DALLA TORRE 1877]
71 ***neresheimeri (Bembidion)*** J.MÜLLER 1929 A-C---G-------------------
72 ***mannerheimi (Bembidion)*** C.R.SAHLBERG 1834 -BCD------KLMN------UV----
= *unicolor (Bembidion)* CHAUDOIR 1850
= *haemorrhoum (Bembidion)* auct. non STEPHENS 1829
= (*grandicolle (Bembidion)* MOTSCHULSKY 1850)
73 (***fumatum (Bembidion)*** MOTSCHULSKY 1850) ----------------------V---- loc. typ.: Okhotsk
74 ***zaitzevi (Bembidion)*** LUTSHNIK 1937 -------HI------P---------- Pa
75 ***pallidiveste (Bembidion)*** CARRETT 1906 ---D----------------------
76 (***lunulatum (Bembidion)*** FOURCROY 1785) ABC----------------------
= (*riparium (Bembidion)* OLIVIER 1795)
= *biguttatum (Bembidion)* GYLLLENHAL 1810 [non FABRICIUS 1779]
= *bisignatum (Bembidion)* SCOVITZ 1821
= *guttula (Bembidion)* L.REDTENBACHER 1858
ab. *submarinum (Bembidion lunulatum, ab.)* REITTER 1908
ab. *perobscurum (Bembidion lunulatum, ab.)* PUEL 1935
ab. *pateri (Bembidion lunulatum, ab.)* PUEL 1935

Subgenus ***Emphanes*** MOTSCHULSKY 1850

Type species: *Bembidion normannum* DEJEAN 1831

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276 This Near East species has been discovered in southeastern Transcaucasia, being characteristic there of slightly salinated marshes (I. Belousov) .

277 It has hitherto been reported solely from the Balkan Peninsula. We are aware of quite typical specimens from the Kopetdagh Mts as well (I. Belousov) .

77 ***azurescens (Bembidion)*** DALLA TORRE 1877 -BCD--GH----------S------- in the south in the montane areas
= *tenellum (Bembidion)* auct. non ERICHSON 1837
= *chlorizans (Bembidion)* DALLA TORRE 1877
= *tristis (Bembidion)* SCHILSKY 1888
78 ***iliensis (Bembidion)*** KHNZORIAN 1970 ---------------P---------- Pd
79 ***latiplaga (Bembidion)*** CHAUDOIR 1850 ---D-FGHI-----OP---------- O P mainly in the west
= *quadrispilotum (Bembidion)* SCHAUFUSS 1882
80 ***gobiense (Bembidion)*** JEDLIᵃKA 1964 ----------V---- Vcd
81 (***minimum (Bembidion)*** FABRICIUS 1792) -BCD-FG-----MN-----TUV----
= *pusillum (Bembidion)* GYLLLENHAL 1827
= *minutum (Bembidion)* SERVILLE 1821
= (*nanum (Bembidion)* STEPHENS 1832)
ab. *bicolor (Bembidion minimum, ab.)* SCHILSKY 1888
82 ***normannum (Bembidion)*** DEJEAN 1831
ssp. ***apfelbecki (Bembidion normannum, ssp.)*** MÜLLER-MOTZFELD 1986 ---DEFGH-------P---------- Pa
= *orientale (Bembidion normannum, syn.)* APFELBECK 1904 [non PEYRON 1858]
83 ***motschulskyi (Bembidion)*** CSIKI 1928 [nom. pro *angusticolle* MOTSCHULSKY 1844]
= (*angusticolle (Bembidion)* MOTSCHULSKY 1844) [non DEJEAN 1831, nec MOTSCHULSKY 1850]
84 ***rivulare (Bembidion)*** DEJEAN 1831
ssp. (***axillare (Bembidion rivulare, ssp.)*** MOTSCHULSKY 1844) ----------NO-----UV---- UcVcd
ssp. ***euxinum (Bembidion rivulare, ssp.)*** APFELBECK 1904 ---DEF--------------------
85 (***quadriplagiatum (Bembidion)*** MOTSCHULSKY 1844) -----F-------NOP-RS-------
86 ***tenellum (Bembidion)*** ERICHSON 1837 ---D-FG------NOP-RST------ Tg
ssp. ***tenellum (Bembidion tenellum, ssp.)*** ERICHSON 1837 ---D-FG------NO----T------
= *pseudotenellum (Bembidion)* NETOLITZKY 1910
ab. *moeoticum (Bembidion tenellum, ab.)* KOLENATI 1845
= *maeoticum (Bembidion tenellum, syn.)* auct.
ssp. ***pseudoplaga (Bembidion tenellum, ssp.)*** NETOLITZKY 1943 ---D-----------P-RS------- Dd: extreme east
ssp. ***buchariplaga (Bembidion tenellum, ssp.)*** NETOLITZKY 1943 ---------------P---------- Pe: Repetek

Subgenus ***Talanes*** MOTSCHULSKY 1864
Type species: *Bembidion aspericolle* GERMAR 1812

87 (***aspericolle (Bembidion)*** GERMAR 1812) ---D-FG------NOP-RS-------
= *lepidum (Bembidion)* DEJEAN 1831
88 ***subfasciatum (Bembidion)*** CHAUDOIR 1850 ---DEF--------------------

Subgenus ***Necpericompsus*** NETOLITZKY 1935
Type species: *Phyla punctatella* MOTSCHULSKY 1844

89 (***punctatellum (Bembidion)*** MOTSCHULSKY 1844) --------------------UV--Y-

Subgenus ***Leja*** DEJEAN 1821
Type species: *Carabus sturmii* PANZER 1805

= *Trepanes* MOTSCHULSKY 1864
Type species: *Carabus articulatus* PANZER 1796

90 (***articulatum (Bembidion)*** PANZER 1796) ABCDEFGH-JKLM------TU---Y-
ssp. (***articulatum (Bembidion articulatum, ssp.)*** PANZER 1796) ABCDEFGH-JKLM------TU---Y-
ssp. ***dilutricorne (Bembidion articulatum, ssp.)*** NETOLITZKY 1918 possible in H or I
91 (***octomaculatum (Bembidion)*** GOEZE 1777) --CD-FG----LMNOP-RST------ Td
= (*sturmi (Bembidion)* PANZER 1805)
= (*pictum (Bembidion)* DUFTSCHMID 1812)

Subgenus ***Trepanedoris*** NETOLITZKY 1918
Type species: *Carabus doris* PANZER 1797

= *Trepanoderis* PORTA 1923 [nom. emend.]

92 (***atripes (Bembidion)*** MOTSCHULSKY 1844) --------------------UV--Y-
= (*aterrimum (Bembidion)* MOTSCHULSKY 1844)
93 (***doris (Bembidion)*** PANZER 1797) ABCD-------LMN------U----- Uc
= (*assimile (Bembidion)* STEPHENS 1828)
ab. (*aquaticum (Bembidion doris, ab.)* PANZER 1797)
= (*aquatile (Bembidion)* ILLIGER 1798)
= (*minimum (Bembidion)* DUFTSCHMID 1812)

Subgenus ***Semicampa*** NETOLITZKY 1910
Type species: *Bembidion schueppeli* DEJEAN 1831

94 ***amoenum (Bembidion)*** R.F.SAHLBERG 1844 ----------V-X-- Okhotsk, Kamchatka
= (*rufomaculatum (Bembidion)* MOTSCHULSKY 1844)
95 ***botezati (Bembidion)*** NETOLITZKY 1922 ---------------P--S------- Bukhara
96 ***carnifex (Bembidion)*** NETOLITZKY 1922 ---------------P---------- Turkmenien
97 ***chaudoiri (Bembidion)*** CHAUDOIR 1850 -B-D----------------------
98 (***convexiusculum (Bembidion)*** MOTSCHULSKY 1844) ----------V----
= *gracilentum (Bembidion)* TSCHITSCHÉRINE 1893
99 ***dagestanum (Bembidion)*** JEDLIᵃKA 1962 ------G------------------ Gc
100 ***dormeyeri (Bembidion)*** REITTER 1897 --------------------UV----
101 ***gassneri (Bembidion)*** NETOLITZKY 1922 ---------------P---------- Transcaspien, Tedzhen
102 ***gilvipes (Bembidion)*** STURM 1825 -BC--------LMN------UV--Y-
= *kollari (Bembidion)* DEJEAN 1831
= *mannerheimi (Bembidion)* DEJEAN 1831
103 ***guttulatum (Bembidion)*** CHAUDOIR 1850 ---DEF--------------------
= *kuchtae (Bembidion)* BREIT 1909
104 ***heydeni (Bembidion)*** GANGLBAUER 1891 ----E-G------------------
= *dentellum (Bembidion)* DEJEAN 1831 [non THUNBERG 1787]
= *dejeani (Bembidion)* HEYDEN 1891 [non PUTZEYS 1846]
105 ***irroratum (Bembidion)*** REITTER 1891 ---------------P---------- Syr Darja, Tashkent
106 ***mandarin (Bembidion)*** NETOLITZKY 1939 ----------V--Y-
107 ***ovulum (Bembidion)*** NETOLITZKY 1910 ---------------P-R-------- Bukhara, Samarkand, Aulie-Ata
? *antecendes (Bembidion ovulum, syn.)* NETOLITZKY 1922 ----------S------- Sc: Ost Bukhara, Kulyab
108 ***schuppelii (Bembidion)*** DEJEAN 1831 ABCD------KLM------TU----- Uc
= *sahlbergi (Bembidion)* ZETTERSTEDT 1838 [non DEJEAN 1831]
109 ***steini (Bembidion)*** NETOLITZKY 1914 ----------R-------- Aulie-Ata, Musart, Bagratsch-Kul
110 ***variola (Bembidion)*** NETOLITZKY 1910 ---------------P---------- loc.typ.: Transcaspien, oase Merv; Tedzhen, Mary
111 ***variolatum (Bembidion)*** MICHAILOV 1983 ----------S------- Sb: Ishkashim Mt.R.

Subgenus ***Diplocampa*** BEDEL 1896

Type species: *Bembidion assimile* GYLLLENHAL 1810

= *Paralopha* CASEY 1918

Type species: *Bembidion transparens* GEBLER 1829

112	***assimile (Bembidion)*** GYLLLENHAL 1810	-BCD-FG-----MN----------
	= (*viridanum (Bembidion)* MOTSCHULSKY 1850)	
	= (*guttula (Bembidion)* DUFTSCHMID 1812)	
	= (*doris (Bembidion)* STEPHENS 1828) [non PANZER 1797]	
	= (*spencei (Bembidion)* STEPHENS 1829)	
113	***bisulcatum (Bembidion)*** CHAUDOIR 1844	---D----------------------
114	(***clarcki (Bembidion)*** DAWSON 1849)	---DEF-------N----------
115	(***fumigatum (Bembidion)*** DUFTSCHMID 1812)	---D-FG------NO----------
	= (*stictum (Bembidion)* STEPHENS 1829)	
	= *dejeani (Bembidion)* PUTZEYS 1846	
	= (*terminale (Bembidion)* MOTSCHULSKY 1850)	
	= *variolosum (Bembidion)* DALLA TORRE 1877	
116	(***transparens (Bembidion)*** GEBLER 1829)	-B--------KLM------TUV-XYZ
	ssp. (***transparens (Bembidion transparens, ssp.)*** GEBLER 1829)	-B--------KLM----------
	= *contaminatum (Bembidion transparens, syn.)* J.SAHLBERG 1875	
	= (*sulcatum (Bembidion transparens, syn.)* LECONTE 1848)	
	= (*trepidum (Bembidion transparens, syn.)* LECONTE 1848)	
	= (*fortestriatum (Bembidion transparens, syn.)* MANNERHEIM 1852)	
	= *edmontonense (Bembidion)* CASEY 1924	
	ssp. (***prostratum (Bembidion transparens, ssp.)*** MOTSCHULSKY 1844) **Stat. nov.**[278]	----------TUV-XYZ
117	***blandulum (Bembidion)*** NETOLITZKY 1910	--------I---------- Ic
	= (*elbursiacum (Bembidion)* MORVAN 1973) **Syn. nov.**[279]	

Subgenus ***Bembidion*** LATREILLE 1802

Type species: *Carabus quadriguttatus* FABRICIUS 1775 [= *B.quadrimaculatum* LINNAEUS 1761]

= *Lopha* DEJEAN 1821

Type species: *Cicindela quadrimaculata* LINNAEUS 1761

118	***anomalum (Bembidion)*** JEDLIˆKA 1958	----------V----
119	***humerale (Bembidion)*** STURM 1825	ABC--------LM-------UV----
	= *pulchrum (Bembidion)* GYLLLENHAL 1827	
	= *bellum (Bembidion)* C.R.SAHLBERG 1834	
120	***mandli (Bembidion)*** NETOLITZKY 1932	----------TUV--Y-
121	(***quadrimaculatum (Bembidion)*** LINNAEUS 1761)	ABCDEFGHIJKLMNOP-RSTU-----
	= (*quadriguttatum (Bembidion)* FABRICIUS 1775)	
	= (*sibiricum (Bembidion)* MOTSCHULSKY 1850)	
	= *tenax (Bembidion)* CASEY 1918	
	= (*subglobosum (Bembidion)* ROSSI 1792)	
	= (*pulchellum (Bembidion)* PANZER 1797)	
	= *quadriguttatum (Bembidion)* SERVILLE 1821 [non FABRICIUS 1775]	
	= *coarctatum (Bembidion)* C.R.SAHLBERG 1834	
	? *cardioderum (Bembidion)* SOLSKY 1874	
122	(***quadripustulatum (Bembidion)*** SERVILLE 1821)	--CDEFGHI---MNOP-RSTU---Y- Yc
	= (*quadriguttatum (Bembidion)* OLIVIER 1795) [non FABRICIUS 1775]	
	= *antiquorum (Bembidion)* CROTCH 1868	
	var. *albomaculatum (Bembidion quadripustulatum, var.)* J.SAHLBERG 1900	
	= (*quadriguttatum (Bembidion)* FABRICIUS 1775)	
	= *antiquorum (Bembidion)* CROTCH 1868	
	= *olivieri (Bembidion)* CROTCH 1868	
123	***szekessyi (Bembidion)*** FASSATI 1955	----------V----
124	***paediscutum (Bembidion)*** H.BATES 1883	----------Z Zb

Subgenus ***Nepha*** MOTSCHULSKY 1864

Type species: *Bembidion menetriesi* KOLENATI 1845

= *Bembidion* auct.

125	(***caucasicum (Bembidion)*** MOTSCHULSKY 1844)	------GHI---------- I2a
	= *substriatum (Bembidion)* CHAUDOIR 1846	
	= (*angusticolle (Bembidion)* MOTSCHULSKY 1850)	
	= *laevissimum (Bembidion)* JACQUELIN du VAL 1851	
126	(***colasi (Bembidion)*** SCHULER 1961) [non MORVAN 1971][280]	------GH---------- HbGb4
127	(***deliae (Bembidion)*** MORVAN 1973)	Iran: Zagros
	ssp. (***yasujensis (Bembidion deliae, ssp.)*** MORVAN 1973) [281]	--------I---------- Ic
128	***genei (Bembidion)*** KÜSTER 1847	
	ssp. ***illigeri (Bembidion genei, ssp.)*** NETOLITZKY 1914	-BC---------- BdCab
129	***glabrum (Bembidion)*** MOTSCHULSKY 1850	---DE--------NO---------- Dbd
130	***menetriesi (Bembidion)*** KOLENATI 1845	--CD--G-I-----O-Q--------- Dcd
	ssp. ***menetriesi (Bembidion menetriesi, ssp.)*** KOLENATI 1845[282]	--CD--G-------O---------- CbcDd
	ssp. ***hauserianum (Bembidion menetriesi, ssp.)*** NETOLITZKY 1918	--------I-------Q--------- Ib
	ssp. ***retipenne (Bembidion menetriesi, ssp.)*** J.MÜLLER 1918[283]	--------I---------- Ia?
131	***pinkeri (Bembidion)*** NETOLITZKY 1935	------GH---------- Hb

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278 The absence of differences in male genital structure coupled with vicariating distributions allow to keep *B. transparens* Gebl. and *B. prostratum* Motsch. only as subspecies (V. Shilenkov) .

279 *Trepanodoris elbursiaca* has been described from Zogros Mts in Iran. A restudy of the allotype of this species (Coll. Morvan) as compared to the type of *B. blandulum* Net. (kept in NHMW) , originating from North Iran, has revealed their identity (I. Belousov) .

280 The species has been described from Turkey as a *Testediolum*. We have discovered it both at the Adzharo-Imeretian Mt. Range and the Askhi Plateau, Caucasus. A study of male genital structure has shown that, despite the complete elytral striae, the species belongs in the Subgenus *Nepha* (I. Belousov) .

281 The subspecies has first been described from the Zogros Mts, Iran. Samples from Zuvant, Talysh Mts, fully correspond to the original description. It seems probable that the same species has been redescribed as *B. (Nepha) loefflerianum* Jedl. (I. Belousov) .

282 Described from the Caucasus, it has since never been rediscovered there. In this connection, the identity of the subspecies *menetriesi hauserianum* is not quite clear (I. Belousov) .

283 A species from Asia Minor. The ZISP Collection contains 1” labelled Armenia without further indications (I. Belousov) .

132 (***seriatum (Bembidion)*** MOTSCHULSKY 1844) ------G------------------ Gab
133 ***tetragrammum (Bembidion)*** CHAUDOIR 1846 -----FGHIJ-----P---------- Pa
= (*brevinotum (Bembidion)* MORVAN 1973) **Syn. nov.**[284]
134 ***tetrasemum (Bembidion)*** CHAUDOIR 1846 ------GHIJ----------------
135 ***turcicum (Bembidion)*** GEMMINGER et HAROLD 1868 --------I----------------- Iab
= *versicolor (Bembidion)* JACQUELIN du VAL 1851

The ***'rickmersi'*** species group

136 ***rickmersi (Bembidion)*** REITTER 1898 ---------------PQ-S------- SePgQd ?Pf
137 ***kughitangi (Bembidion)*** MICHAILOV et BELOUSOV 1991 ----------------S------- Se

Subgenus ***Bembidionetolitzkya*** STRAND 1929[285]

Type species: *Bembidion ascendens* K.DANIEL 1902

= *Daniela* NETOLITZKY 1910

Type species: *Bembidion fasciolatum* DUFTSCHMID 1812

138 (***atrocoeruleum (Bembidion)*** STEPHENS 1829) A------------------------
= *cyanescens (Bembidion)* WESMAEL 1835
139 (***varicolor (Bembidion)*** FABRICIUS 1803) A-----GH------------------
ssp. (***varicolor (Bembidion varicolor, ssp.)*** FABRICIUS 1803) A------H------------------ AabH
= (*tricolor (Bembidion varicolor, syn.)* FABRICIUS 1801)
= *erichsoni (Bembidion varicolor, syn.)* JACQUELIN du VAL 1852
ssp. ***agurense (Bembidion varicolor, ssp.)*** LUTSHNIK 1937 **Comb. rest.** ------GH------------------ Gabc1Hc
140 ***conforme (Bembidion)*** DEJEAN 1831 A------------------------ Aa
? (*luridum (Bembidion)* DUFTSCHMID 1812)
141 (***fasciolatum (Bembidion)*** DUFTSCHMID 1812) A------------------------ Aa
= *angusticolle (Bembidion)* DEJEAN 1831
142 ***ascendens (Bembidion)*** K.DANIEL 1902 A------------------------ Aa
= *planum (Bembidion)* SCHILLING 1846
= *unicolor (Bembidion)* DALLA TORRE 1877 [non CHAUDOIR 1850]
= *egregium (Bembidion)* K.DANIEL 1902
= *axillare (Bembidion)* K.DANIEL 1902
= *efasciatum (Bembidion)* CSIKI 1928 [nom. pro *unicolor* DALLA TORRE 1877]
143 ***bactrianum (Bembidion)*** K.DANIEL 1902 ------------------S------- Sbcd
144 (***astrabadense (Bembidion)*** MANNERHEIM 1844) ------GHIJ----------------
ssp. (***astrabadense (Bembidion astrabadense, ssp.)*** MANNERHEIM 1844) ---------J----------------
= (*chotjaii (Bembidion)* MORVAN 1973)
ssp. ***transcaucasicum (Bembidion astrabadense, ssp.)*** LUTSHNIK 1939 ------GHI-----------------
145 (***tibiale (Bembidion)*** DUFTSCHMID 1812) A-CD--GH------------------ CaDaGH
= (*viridiaeneum (Bembidion)* STEPHENS 1829)
= (*cnemerithrus (Bembidion)* STEPHENS 1839)
= *virescens (Bembidion)* DALLA TORRE 1877
= *nigrescens (Bembidion)* DALLA TORRE 1877
146 ***cyaneum (Bembidion)*** CHAUDOIR 1846 ------GHI----------------- HbcIa middle and high altitudes
= *chevsuricum (Bembidion)* LUTSHNIK 1938
147 ***gotschii (Bembidion)*** CHAUDOIR 1846 ---------J----------------
148 ***relictum (Bembidion)*** APFELBECK 1904 ------GHIJ---------------- HbcIJ
= (*elburziacum (Bembidion)* MORVAN 1971)
= *araxidius (Bembidion)* KHNZORIAN 1976
= *keilbachi (Bembidion)* MÜLLER-MOTZFELD 1978
149 ***abchasicum (Bembidion)*** MÜLLER-MOTZFELD 1989 ------G------------------- Ga23c1
150 ***depressum (Bembidion)*** MÉNÉTRIÉS 1832 ------G------------------- high altitudes only
151 ***ferghanicum (Bembidion)*** MÜLLER-MOTZFELD et KRYZHANOVSKIJ 1983 -----------------RS------- RedSc
? *ssp. almasyi (Bembidion ferghanicum, syn.)* FASSATI 1990[286]
152 ***beloborodovi (Bembidion)*** BELOUSOV et MICHAILOV 1990 -----------------R-------- Rabc
153 ***geniculatum (Bembidion)*** HEER 1837 A------------------------ Aa
= *redtenbacheri (Bembidion)* K.DANIEL 1902
= *affine (Bembidion)* L.REDTENBACHER 1849
ab. *anthracinum (Bembidion geniculatum, ab.)* CSIKI 1928 [nom. pro *nigrum* KOLBE 1918]
= *nigrum (Bembidion geniculatum, syn.)* KOLBE 1918
154 ***kartalinicum (Bembidion)*** LUTSHNIK 1937[287] ------GH------------------ GHbc: high altitudes
= *mammilatum (Bembidion)* NETOLITZKY 1943
155 ***rionicum (Bembidion)*** MÜLLER-MOTZFELD 1983 ------G------------------- Cb23c
156 ***peliopterum (Bembidion)*** CHAUDOIR 1850 ------GHIJ------Q-S------- Gc2HcIcJQSe (Se - Kuhitangtau Mts only)
= *macrophthalmum (Bembidion)* REITTER 1890
157 ***piceocyaneum (Bembidion)*** SOLSKY 1874 -----------------RST------
ssp. ***piceocyaneum (Bembidion piceocyaneum, ssp.)*** SOLSKY 1874 -----------------RS------- SabcdRe
ssp. ***zaisanicum (Bembidion piceocyaneum, ssp.)*** MÜLLER-MOTZFELD et KRYZHANOVSKIJ 1983 **Stat. nov.**[288] -----------------R-T------ RabTa

Subgenus ***Plataphus*** MOTSCHULSKY 1864

Type species: *Elaphrus prasinus* DUFTSCHMID 1812

158 (***altaicum (Bembidion)*** GEBLER 1833) -------------------TUVW-Y-
159 ***birulai (Bembidion)*** POPPIUS 1910 ----------------------W---
160 (***depressiusculum (Bembidion)*** MOTSCHULSKY 1850) ----------------------X-- Kamchatka
161 (***gebleri (Bembidion)*** GEBLER 1833) -------------------TUV--Y-
ssp. (***gebleri (Bembidion gebleri, ssp.)*** GEBLER 1833) -------------------TUV----
= *frigidum (Bembidion gebleri, syn.)* J.SAHLBERG 1880 Kamchatka, Tunguska

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284 A study of topotypes of this taxon, labelled by Morvan as paratypes but not published, hence invalid as types (Coll. Morvan) , has allowed to establish the identity with *B. tetragrammum* Chaud. (I. Belousov) .

285 With the exception of new taxa, the systematics of the Caucasian *Bembidionetolitzkya* is presented here in accordance with a paper still in preparation. Hence the respective changes are simply quoted, not discussed (I. Belousov) .

286 According to the original description, it differs from *ferghanicum* solely by the pale coloration. Indeed, we are aware of pale specimens deriving from the western Inner Tian-Shan Mts, yet a currently too scant material does not allow to ultimately solve the problem of the identity of *B. almasyi* (I. Belousov) .

287 The Caucasian populations of *B. geniculatum* differ constantly in microsculpture and penial structure, with *B. kartalinicum* Lutsh. being available as their oldest name (I. Belousov) .

288 Originally described as a separate species. Later, specimens with characters transitional toward *piceocyaneum* and populating the areas N of Lake Issyk-Kul have been discovered (I. Belousov) .

	= (*acuticolle (Bembidion gebleri, syn.)* MOTSCHULSKY 1860)		
	ssp. ***persuasum (Bembidion gebleri, ssp.)*** NETOLITZKY 1938	----------Y-	
162	***pfitzenmayeri (Bembidion)*** NETOLITZKY 1943	----------U-----	Yakutsk
163	***jenseni (Bembidion)*** NETOLITZKY 1943	----------T------	South Siberia
164	(***coelestinum (Bembidion)*** MOTSCHULSKY 1844)	----------TUV----	
165	***infuscatipenne (Bembidion)*** NETOLITZKY 1938	----------V--Y-	
166	***hyperboraeorum (Bembidion)*** MÜNSTER 1923	-B--------K---------U-WX--	
167	***lucillum (Bembidion)*** H.BATES 1883	----------Y-	Yb ? Kuriles
168	***nakanei (Bembidion)*** JEDLIªKA 1965	----------Z	Zb
169	***planum (Bembidion)*** R.F.SAHLBERG 1844 [non HALDEMAN 1843][289]	----------UVW---	
	= (*latum (Bembidion)* MOTSCHULSKY 1844)		
170	***plicatulum (Bembidion)*** H.BATES 1883	----------Z	Zb
171	(***prasinum (Bembidion)*** DUFTSCHMID 1812)	AB--------KL-------TUV--Y-	
	= *olivaceum (Bembidion)* GYLLLENHAL 1827		
	= (*leachi (Bembidion)* STEPHENS 1827)		
	= *cumatile (Bembidion)* SCHI¥DTE 1841		
	= *eichhaffi (Bembidion)* BACH 1851		
	var. *holstroemi (Bembidion prasinum, var.)* C.R.SAHLBERG 1826		
172	***rusticum (Bembidion)*** CASEY 1918	----------WX--	
173	***asiaticum (Bembidion)*** JEDLIªKA 1965	----------T-V----	Tdef
174	***sulcipenne (Bembidion)*** J.SAHLBERG 1880	----------U-----	lower flow of Yenisei Riv.
175	***lenense (Bembidion)*** POPPIUS 1906[290]	----------UVW---	
	Subgenus ***Plataphodes*** GANGLBAUER 1892		
	Type species: *Bembidion fellmanni* MANNERHEIM 1823		
176	(***aeruginosum (Bembidion)*** GEBLER 1833)	----------T------	Tbdef
177	***arcticum (Bembidion)*** LINDROTH 1963	----------L-------T--W---	Tdf
178	***brachythorax (Bembidion)*** LINDROTH 1963	----------W---	
179	***compressus (Bembidion)*** LINDROTH 1963	----------W---	
180	***crenulatum (Bembidion)*** R.F.SAHLBERG 1844	-B----------TUV-X--	
	= *ponojensi (Bembidion)* J.SAHLBERG 1876		
	= *laevistriatum (Bembidion)* MOTSCHULSKY 1859		
	= *acuticolle (Bembidion)* MOTSCHULSKY 1850		
181	(***difficile (Bembidion)*** MOTSCHULSKY 1844)	-B--------K--------TUV----	
	= *aeruginosum (Bembidion)* auct. [non GEBLER 1833]		
182	(***fellmanni (Bembidion)*** MANNERHEIM 1823)	-B--------K--------TU-----	
	= *palmeni (Bembidion)* J.SAHLBERG 1900		
183	***tetraporum (Bembidion)*** H.BATES 1883	----------YZ	
	= *kuprianovi oxydatum (Bembidion)* NETOLITZKY 1939		
	Subgenus ***Hirmoplataphus*** NETOLITZKY 1943		
	Type species: *Bembidion hirmocaelum* CHAUDOIR 1850		
184	***hirmocoelum (Bembidion)*** CHAUDOIR 1850	-B--------KL-------TUVW-Y-	
	= (*punctatostriatum (Bembidion)* MOTSCHULSKY 1844)		
	= *parvicolle (Bembidion)* J.SAHLBERG 1880		
	= *friebi (Bembidion)* NETOLITZKY 1914		
	Subgenus ***Trichoplataphus*** NETOLITZKY 1914		
	Type species: *Bembidion lissonotum* H.BATES 1873		
	= *Blepharoplataphus* NETOLITZKY 1920		
	Type species: *Bembidion virens* GYLLLENHAL 1827		
185	***hasti (Bembidion)*** C.R.SAHLBERG 1827	-B--------KL-------TUVWXY-	
	= (*litigiosum (Bembidion)* MOTSCHULSKY 1844)		
	= (*cupreum (Bembidion)* MOTSCHULSKY 1844)		
	= (*ventricosum (Bembidion)* MOTSCHULSKY 1850)		
	= *cupripenne (Bembidion)* GEMMINGER et HAROLD 1868		
186	***virens (Bembidion)*** GYLLLENHAL 1827	-B----------	
	= *pfeiffii (Bembidion)* DEJEAN 1831		
187	***deplanatum (Bembidion)*** A.MORAWITZ 1862	----------TUV--Y-	
188	***lissonotum (Bembidion)*** H.BATES 1873	----------Y-	
	Subgenus ***Lymnaeoperyphus*** NAKANE 1963		
	Type species: *Bembidion quadrimpressum* MOTSCHULSKY 1850		
189	***quadriimpressum (Bembidion)*** MOTSCHULSKY 1860	----------XYZ	on sandy beaches
	Subgenus ***Limnaeum*** STEPHENS 1929		
	Type species: *Bembidion nigropiceum* MARSHAM 1802		
190	(***nigropiceum (Bembidion)*** MARSHAM 1802)	---DE----------	Db - shores of Azov Sea
	= *sulcatum (Bembidion)* CHAUDOIR 1846		
	Subgenus ***Peryphiolus*** JEANNEL 1941		
	Type species: *Bembidion monticola* STURM 1825		
191	***monticola (Bembidion)*** STURM 1825	A-C---GH----------	ACaGabc1HbcIa
	ssp. ***monticola (Bembidion monticola, ssp.)*** STURM 1825	A-C----------	ACa
	= *fuscicorne (Bembidion monticola, syn.)* DEJEAN 1831		
	ssp. ***ponticum (Bembidion monticola, ssp.)*** KORGE 1964	------GH----------	Gabc1HbcIa
	Subgenus ***Euperyphus*** JEANNEL 1941		
	Type species: *Bembidion eques* STURM 1827		
192	***fulvipes (Bembidion)*** STURM 1827	A----------	? Ab
	= *picipes (Bembidion)* STURM 1825		
	= *distinctum (Bembidion)* DEJEAN 1831		
	= *viride (Bembidion)* DALLA TORRE 1877		
	= *coeruleum (Bembidion)* DALLA TORRE 1877		
193	***combustum (Bembidion)*** MÉNÉTRIÉS 1832	------G-IJ--------S-------	
	ssp. ***combustum (Bembidion combustum, ssp.)*** MÉNÉTRIÉS 1832	------G-IJ----------	Gb12cIac

289 The name *planum* R. F. Sahlberg 1844 is preoccupied by *Plataphodes planum* Haldeman 1843, hence a replacement name must be proposed. However, since the species is unknown to us, we refrain here from a formal renaming (I. Belousov) .

290 Erwin (1977) keeps this form as a synonym of *B. sulcipenne* J. Sahlb. (I. Belousov) .

= *lividipenne (Bembidion combustum, syn.)* MÉNÉTRIÉS 1832
? *testaceipenne (Bembidion combustum, syn.)* MÉNÉTRIÉS 1832
ssp. ***lugubriveste (Bembidion combustum, ssp.)*** NETOLITZKY 1943 ----------S------- Sed
194 ***giganteum (Bembidion)*** J.SAHLBERG 1900 ----------RS-------
ssp. ***giganteum (Bembidion giganteum, ssp.)*** J.SAHLBERG 1900 ----------RS------- RbcdeSac
ssp. ***reinigi (Bembidion giganteum, ssp.)*** NETOLITZKY 1933 ----------S------- Sb

Subgenus ***Ocydromus*** CLAIRVILLE 1806

Type species: *Carabus modestus* FABRICIUS 1801

= *Peryphus* STEPHENS 1829

Type species: *Bembidion tetracolum* SAY 1823

The ***Peryphus*** species group STEPHENS 1829

195 (***obscurellum (Bembidion)*** MOTSCHULSKY 1844) [291] -B--------KLM----R-TUVW---
ssp. (***obscurellum (Bembidion obscurellum, ssp.)*** MOTSCHULSKY 1844) -B--------KLM----------
= (*maritimum (Bembidion obscurellum, syn.)* MOTSCHULSKY 1850)
= (*fuscicrus (Bembidion obscurellum, syn.)* MOTSCHULSKY 1855)
= (*subinflatum (Bembidion obscurellum, syn.)* MOTSCHULSKY 1859)
= (*mixtum (Bembidion obscurellum, syn.)* LECONTE 1863)
= *repandum (Bembidion obscurellum, syn.)* J.SAHLBERG 1875
= *cribrulum (Bembidion obscurellum, syn.)* NETOLITZKY 1910
= *caducum (Bembidion obscurellum, syn.)* CASEY 1918
= *albipenne (Bembidion obscurellum, syn.)* CASEY 1918
= *parowanum (Bembidion obscurellum, syn.)* CASEY 1918
= *petulans (Bembidion obscurellum, syn.)* CASEY 1918
ssp. ***turanicum (Bembidion obscurellum, ssp.)*** CSIKI 1928 ----------R-TUVW---
= (*pictum (Bembidion obscurellum, syn.)* FALDERMANN 1835)
= *pamirense (Bembidion obscurellum, syn.)* H.BATES 1890
var. *thibeticum (Bembidion obscurellum, var.)* FASSATI 1957
= *fumipenne (Bembidion obscurellum, syn.)* FASSATI 1957
ssp. ***insperatum (Bembidion obscurellum, ssp.)*** LUTSHNIK 1938 -----FG----------
196 ***insidiosum (Bembidion)*** SOLSKY 1874 ------G----------RST------ GcRabcdeSc ?Tab Tuva
ssp. ***insidiosum (Bembidion insidiosum, ssp.)*** SOLSKY 1874 ----------RST------ NW China
= *paulmeyeri (Bembidion insidiosum, syn.)* FASSATI 1958
ssp. ***holdhausi (Bembidion insidiosum, ssp.)*** FASSATI 1952 ----------Q---------
197 (***andreae (Bembidion)*** FABRICIUS 1787) ABC--FGHIJ--MN-----TU-----
= *cruciatum (Bembidion)* DEJEAN 1831
= *cruciatum (Bembidion)* SCHI¥DTE 1841
= *concinnum (Bembidion)* THOMSON 1871
ab. *monostigma (Bembidion andreae, ab.)* J.MÜLLER 1918
ab. *virescens (Bembidion andreae, ab.)* DALLA TORRE 1877
ab. *coerulescens (Bembidion andreae, ab.)* DALLA TORRE 1877
ssp. ***bualei (Bembidion andreae, ssp.)*** JACQUELIN du VAL 1852 A------------------------
ssp. ***polonicum (Bembidion andreae, ssp.)*** J.MÜLLER 1830 -BC---------MN-----TU-----
ssp. ***quadriflammeum (Bembidion andreae, ssp.)*** REITTER 1889 ------GHIJ----------
198 ***femoratum (Bembidion)*** STURM 1825 ABCDEFGHIJKLM-O----TU-----
ssp. ***femoratum (Bembidion femoratum, ssp.)*** STURM 1825 ABCDEF----KLM-O----TU-----
ab. *daugavense (Bembidion femoratum, ab.)* BARSEVSKIS 1993 -B------------------------
ssp. ***caucasicola (Bembidion femoratum, ssp.)*** NETOLITZKY 1918 ------GHIJ----------
199 ***xanthomum (Bembidion)*** CHAUDOIR 1850 --------IJ----------
= *basale (Bembidion)* CHAUDOIR 1846
= (*chaudoiri (Bembidion)* MOTSCHULSKY 1850) [nom. pro *basale* CHAUDOIR 1846]
200 ***abbreviatum (Bembidion)*** SOLSKY 1874[292] ----------RS------- ReSc
ssp. ***uvidum (Bembidion abbreviatum, ssp.)*** ANDREWES 1935 **Comb. nov.** China, India
ssp. ***pulpani (Bembidion abbreviatum, ssp.)*** FASSATI 1954 ----------PQR-------- PgQRe
ssp. ***krejcareki (Bembidion abbreviatum, ssp.)*** FASSATI 1957 ----------S------- Sc
201 ***brittoni (Bembidion)*** FASSATI 1954 ----------S------- Sd: Khozratishoh Mt.R.
202 ***silemi (Bembidion)*** NETOLITZKY 1935 ----------Q--------- Qd
203 ***exhibitum (Bembidion)*** REITTER 1911 ----------Q---------
204 (***basale (Bembidion)*** MOTSCHULSKY 1844) ----------P---------- Pa: Kura valley
= *fasciatum (Bembidion)* CHAUDOIR 1846
205 ***fluviatile (Bembidion)*** DEJEAN 1931 A-CD---------- AbDaCa
206 ***oblongum (Bembidion)*** DEJEAN 1831 A------------------------ Aa
207 ***testaceum (Bembidion)*** DUFTSCHMID 1812 A---E---------- Aa
208 ***parallelipenne (Bembidion)*** CHAUDOIR 1850 ------GHI----------
? *dimidiatum (Bembidion)* MÉNÉTRIÉS 1832
ssp. ***parallelipenne (Bembidion parallelipenne, ssp.)*** CHAUDOIR 1850 ------GH----------
ssp. ***exisonum (Bembidion parallelipenne, ssp.)*** LUTSHNIK 1937 ------GH----------
ssp. ***pseudoripicola (Bembidion parallelipenne, ssp.)*** KHNZORIAN 1963 -------HI----------
209 ***dilutipenne (Bembidion)*** SOLSKY 1874 ----------RS------- RbdeSc
210 ***sogdianum (Bembidion)*** BELOUSOV et MICHAILOV 1990[293] ----------RS------- RaSc
211 ***distinguendum (Bembidion)*** JACQUELIN du VAL 1852[294] A-----GHI----------
ssp. ***distinguendum (Bembidion distinguendum, ssp.)*** JACQUELIN du VAL 1852A------------------------ Aa
ssp. ***meyeri (Bembidion distinguendum, ssp.)*** DE MONTE 1957 -------HI----------
ssp. ***lindrothi (Bembidion distinguendum, ssp.)*** DE MONTE 1957 ------G----------
= *nescium (Bembidion distinguendum, syn.)* LUTSHNIK 1938 [non CASEY 1918]
ssp. ***arrisi (Bembidion distinguendum, ssp.)*** JEDLI^{o}KA 1937[295] ----------R-------- Rde

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291 The infraspecific structure of this highly polymorphous and widespread species is provisional (I. Belousov) .

292 An analysis of abundant materials has revealed that this species is surprisingly widespread in Central and Middle Asia. A montane form possessing a small, oval body and confined to the W mountain systems of Middle Asia has been denominated *abbreviatum*, which name has priority over *uvidum* (I. Belousov) .

293 Since the original description, not a single specimen of this taxon has been found in the Zeravshansky Mt. Range. In contrast, the species has turned out to be common in Dzhungaria. Possibly we face a wrong label concerning provenance of type material (I. Belousov) .

294 The relationships between the Middle Asian forms close to *distinguendum* and *ladakense* are highly complex and treated here but provisionally (I. Belousov) .

295 A restudy of type material (kept in MNP) has revealed, this taxon refers to the *distinguendum-ladakense* group, although it has been compared by Jedli^{o}ka with *tetracolum* (I. Belousov) .

ssp. ***rupestroides (Bembidion distinguendum, ssp.)*** NETOLITZKY 1943 ----------S------- Scd
212 ***petrosum (Bembidion)*** GEBLER 1833 -B----------M----R-TUVW---
= *siebkei (Bembidion)* SPARRE-SCHNEIDER 1910
= *carlhlindrothi (Bembidion)* KANGAS 1980
= (*substrictum (Bembidion)* LECONTE 1848)
= (*lucidum (Bembidion)* LECONTE 1848)
= *wagneri (Bembidion)* TSCHITSCHÉRINE 1893
= *wenatchee (Bembidion)* HATCH 1950
= *lepisculum (Bembidion)* CASEY 1918
= *castalium (Bembidion)* CASEY 1918
= *exiguiceps (Bembidion)* CASEY 1924
213 ***sulcicolle (Bembidion)*** J.SAHLBERG 1880 ----------U----- loc.typ: Dudinka
214 ***morawitzi (Bembidion)*** CSIKI 1928 [nom. pro *cognatum* A.MORAWITZ 1862] ----------YZ
= *cognatum (Bembidion)* A.MORAWITZ 1862 [non DEJEAN 1831]
= *consentaneum (Bembidion)* GEMMINGER et HAROLD 1868 [non LECONTE 1852]
215 ***persicum (Bembidion)*** MÉNÉTRIÉS 1832 ------GHIJ------QRS-------
216 ***reichardti (Bembidion)*** LUTSHNIK 1930 ----------S------- Sa: Alai valley: Sary-Tash
217 ***scapulare (Bembidion)*** DEJEAN 1831
ssp. ***lomnickii (Bembidion scapulare, ssp.)*** NETOLITZKY 1916 A---------- Aa
218 ***solskyi (Bembidion)*** NETOLITZKY 1934 ----------P-RST------ PcdefRbeSabcd Tb:Biisk-na-Obi (record by Fassati, 1949)
219 (***subcostatum (Bembidion)*** MOTSCHULSKY 1850) A--D--GHIJ----------
ssp. (***subcostatum (Bembidion subcostatum, ssp.)*** MOTSCHULSKY 1850) [296] ------GHIJ----------
= *ovipenne (Bembidion subcostatum, syn.)* CHAUDOIR 1846
= *oopterum (Bembidion subcostatum, syn.)* CHAUDOIR 1850
= (*corpulentum (Bembidion subcostatum, syn.)* MOTSCHULSKY 1850)
= *sunicum (Bembidion subcostatum, syn.)* KHNZORIAN 1970 **Syn. nov.**[297]
ab. *quadrimacula (Bembidion subcostatum, ab.)* KHNZORIAN 1963
ab. *bimacula (Bembidion subcostatum, ab.)* KHNZORIAN 1963
ab. *rugosum (Bembidion subcostatum, ab.)* KHNZORIAN 1976
ssp. ***van (Bembidion subcostatum, ssp.)*** NETOLITZKY 1913 ---D----------
ssp. ***javurkovae (Bembidion subcostatum, ssp.)*** FASSATI 1943 A---------- ?Da
220 ***tetracolum (Bembidion)*** SAY 1823 -BCDE-----K-MN-----T------
= *ustulatum (Bembidion)* auct. [non LINNAEUS 1767]
= *litorale (Bembidion)* auct. [non OLIVIER 1791]
ssp. ***tetracolum (Bembidion tetracolum, ssp.)*** SAY 1823 -BCD--G-----MN-----T------
= *andreae (Bembidion)* THOMSON 1859
= *nactum (Bembidion)* CASEY 1918
ssp. (***uralensis (Bembidion tetracolum, ssp.)*** FASSATI 1944) ----E-----K----------
221 ***bruxellense (Bembidion)*** WESMAEL 1835 -BC--------LM------TUV----
= *rupestre (Bembidion)* auct. [non LINNAEUS 1767]
ab. *extinctum (Bembidion bruxellense, ab.)* EVERTS 1919
ab. *dixoni (Bembidion bruxellense, ab.)* EVERTS 1919
222 ***captivorum (Bembidion)*** NETOLITZKY 1943 ----------T-V--YZ
223 ***poppii (Bembidion)*** NETOLITZKY 1914 ----------U-WX--
= *submaculatum (Bembidion)* POPPIUS 1906
= *intermedium (Bembidion)* POPPIUS 1906 [non KIRBY 1837]
= *lenae (Bembidion)* CSIKI 1928
224 ***jedlickai (Bembidion)*** FASSATI 1945 ----------R-TUV----
ssp. ***jedlickai (Bembidion jedlickai, ssp.)*** FASSATI 1945 ----------TUV---- Ud: Verkhneudinsk
ssp. ***turkestanicum (Bembidion jedlickai, ssp.)*** FASSATI 1957 ----------R-------- Rabc

The '***straussi***' species group

225 ***straussi (Bembidion)*** NETOLITZKY 1910 --------I-------QRST------
= *ordubadense (Bembidion)* KHNZORIAN 1960
= (*pseudotaphus (Bembidion)* MORVAN 1973)
ssp. ***straussi (Bembidion straussi, ssp.)*** NETOLITZKY 1910 --------I-------Q--------- IbcQ
ssp. ***iridipiceum (Bembidion straussi, ssp.)*** FASSATI 1957 **Stat. nov.** [298] ----------RS------- Rabcde; Sc to N slope of Hissarsky Mt.R.
ab. *sumbacula (Bembidion straussi, ab.)* FASSATI 1957
ssp. ***iridicyaneum (Bembidion straussi, ssp.)*** BELOUSOV et MICHAILOV 1990 ----------S------- Sd, possible on S slope of Hissarsky Mt.R.
ssp. ***gurwani (Bembidion straussi, ssp.)*** JEDLIᵃKA 1968 ----------T------ Ta: ? Tarbagatai Mt.R.

The ***Asioperyphus*** species group VYSOKY 1986

226 ***altestriatum (Bembidion)*** NETOLITZKY 1934 ----------M------TUV--YZ Za
= *bajani (Bembidion)* JEDLIᵃKA 1966
227 ***sajanum (Bembidion)*** SHILENKOV 1995 **Nom. nov.** ----------T-V---- TefVa
= (*conforme (Bembidion)* MOTSCHULSKY 1844) [non DEJEAN 1831]
228 ***amnicola (Bembidion)*** J.SAHLBERG 1900 ----------P----------
229 ***infuscatum (Bembidion)*** DEJEAN 1831 ----------LM------TUV--Y- Ya
= (*transbaicalicum (Bembidion)* MOTSCHULSKY 1844)
= *postae (Bembidion)* CSIKI 1901
230 ***kazakhstanicum (Bembidion)*** KRYZHANOVSKIJ 1979 ----------P-R-------- PdRab
231 ***obenbergeri (Bembidion)*** LUTSHNIK 1928 ----------R-------- Rab
232 (***lunatum (Bembidion)*** DUFTSCHMID 1812) ABCD-FG-----M------T------
= (*ustum (Bembidion)* STEPHENS 1829) [non QUENSEL 1806]
= *pallidum (Bembidion)* DALLA TORRE 1877

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296 The nominotypical subspecies is highly variable, in the Caucasus giving rise to a montane, wingless and often melanistic form with completely rounded humeri. Both forms are connected by numerous intergrades, display the same genital structure, neither has a range of its own, hence confirming the fact that we face altitudinal forms of one and the same species. Coupled with the species being widespread and common in the Caucasus, this explains the long list of synonyms described by the same authors (I. Belousov) .

297 Described by Khnzorian as a separate species. A restudy of the type (kept in ZIA) has revealed, we face the high-montane apterous form *subcostatum*, with various degrees of melanism being reflected in an extended series of forms ranging from *quadrimacula* up to the typical form. The original attribution of color varieties to *zolotarewi* is explicable, because both taxa are very similar in habitus, particularly due to the elongate pronotum, rounded humeri and deep, strongly punctured elytral striae. It is noteworthy that, like the allied *tetracolum*, *subcostatum* often displays distinctly punctured caudal parts of the frontal furrows, a character which might be misleading as to its attribution to the Subgenus *Ocydromus* s. str. known to comprise also *B. zolotarewi* (I. Belousov) .

298 According to Müller-Motzfeld (1984) , this is a synonym. Yet the constant differences, e.g. the conspicuously pale antennomere 3 against the background of a darker body coloration, coupled with a delimited distribution allow to treat this taxon as a good subspecies (I. Belousov) .

var. *koltzei (Bembidion lunatum, var.)* MEYER 1919
233 (***ovale (Bembidion)*** MOTSCHULSKY 1844) ----------TUV--YZ
= (*rugicolle (Bembidion)* MOTSCHULSKY 1844)
234 ***pamiricola (Bembidion)*** LUTSHNIK 1930 ----------RST------
ssp. ***pamiricola (Bembidion pamiricola, ssp.)*** LUTSHNIK 1930 ----------RST------ RabdeTb
ssp. ***beybienkoi (Bembidion pamiricola, ssp.)*** KRYZHANOVSKIJ 1979 **Stat. nov.**[299] ----------R-------- Rc
235 ***semilunium (Bembidion)*** NETOLITZKY 1914 ----------V--YZ
236 ***smirnovi (Bembidion)*** KRYZHANOVSKIJ 1979 ----------T------ Tbg
237 ***umiatense (Bembidion)*** LINDROTH 1963 -B--------KL--------U-WX-- Bf
238 ***ustum (Bembidion)*** QUENSEL 1806 -----FG--------P---------- Gc
239 ***yanoi (Bembidion)*** JEDLIªKA 1951 ----------Z Zb
240 ***macropterum (Bembidion)*** J.SAHLBERG 1880 ----------U----- Ua: Dudinka

The ***'cnemidotum'*** species group

241 ***cnemidotum (Bembidion)*** H.BATES 1883 ----------Z

The ***'terminale'*** species group

242 ***mckinleyi (Bembidion)*** FALL 1926
ssp. ***scandicum (Bembidion mckinleyi, ssp.)*** LINDROTH 1943 -B--------K--------TUVW--- Tg
= *macropterum (Bembidion mckinleyi, syn.)* auct. [non J.SAHLBERG 1880]
243 ***ovalipenne (Bembidion)*** SOLSKY 1874 ----------RS------- Sab
= *infantile (Bembidion)* NETOLITZKY 1943
= *infans (Bembidion)* NETOLITZKY 1934 [non ANDREWES 1930]
= *hauseri (Bembidion)* JEDLIªKA 1958
244 ***pulcherrimum (Bembidion)*** MOTSCHULSKY 1850[300] ------GHIJ----------
= *bisignatum (Bembidion)* MÉNÉTRIÉS 1831
245 ***kirgisorum (Bembidion)*** NETOLITZKY 1933[301] ----------RS-------
= *bucharicum (Bembidion)* NETOLITZKY 1934 **Syn. nov.**[302]
= *mugeti (Bembidion)* JEDLIªKA 1937 **Syn. nov.**[303]
246 ***consummatum (Bembidion)*** H.BATES 1873 ----------M------TU-----
= *boldi (Bembidion)* JEDLIªKA 1966 [part.]
247 ***avaricum (Bembidion)*** BELOUSOV et SOKOLOV 1989 ------G---------- Gbc: alpine zone to Gorge Tsei in the west
= *gergeticum (Bembidion)* MÜLLER-MOTZFELD 1990 **Syn. nov.** [304]

The ***'scythicum'*** species group

248 ***scythicum (Bembidion)*** K.DANIEL 1902 ----------RS-------
= *transiens (Bembidion)* K.DANIEL 1902
ssp. ***scythicum (Bembidion scythicum, ssp.)*** K.DANIEL 1902 ----------S------- Scde
ssp. ***imitator (Bembidion scythicum, ssp.)*** K.DANIEL 1902 **Stat. nov.**[305] ----------RS------- ReSc (Zeravshan Mt.R.)

The ***Synechoperyphus*** species group NETOLITZKY 1943[306]

249 ***transsylvanicum (Bembidion)*** BIELZ 1852 A----------

The ***Ocydromus*** species group CLAIRVILLE 1806[307]

250 ***atlanticum (Bembidion)*** WOLLASTON 1854 ----EFGH------OPQRS-------
ssp. ***megaspilum (Bembidion atlanticum, ssp.)*** F.WALKER 1871 ----EFGH------OP-RS-------
ssp. ***galbenum (Bembidion atlanticum, ssp.)*** NETOLITZKY 1930 ----------Q---------
251 (***decorum (Bembidion)*** ZENKER in PANZER 1801) A-CD-FGHI----------
ssp. (***decorum (Bembidion decorum, ssp.)*** ZENKER 1801) A-CD---------- Carpathians & Transcarpathia
= (*agile (Bembidion decorum, syn.)* STEPHENS 1829)
= *rebellum (Bembidion decorum, syn.)* SCHATZMAYR 1909
ab. *munganasti (Bembidion decorum, ab.)* REITTER 1908
= *luridum (Bembidion decorum, syn.)* SUFFRIAN 1843
ssp. ***subconvexum (Bembidion decorum, ssp.)*** K.DANIEL 1902 -----FGHI---------- Fa
= *analogicum (Bembidion decorum, syn.)* MEYER 1911
= *schuberti (Bembidion decorum, syn.)* JEDLIªKA 1962/63
nat. *festinum (Bembidion decorum, nat.)* LUTSHNIK 1938 ------G---------- Ga13
= (*lopatini (Bembidion decorum, syn.)* SCHULER 1962)
= (*kurnakovi (Bembidion decorum, syn.)* SCHULER 1962)
nat. *balkariense (Bembidion decorum, nat.)* MÜLLER-MOTZFELD 1986 ------G---------- Gb1: N slope
252 (***dolorosum (Bembidion)*** MOTSCHULSKY 1850) ----------Z Zab
= (*angusticollis (Bembidion)* MOTSCHULSKY 1860)
= *interstrictum (Bembidion)* NETOLITZKY 1910
253 ***hiekei (Bembidion)*** MÜLLER-MOTZFELD 1988 ----------Q--------- Qb
254 (***modestum (Bembidion)*** FABRICIUS 1801) A-CD----------
= (*cursor (Bembidion)* FABRICIUS 1801)
= *perplexum (Bembidion)* DEJEAN 1831
255 (***multipunctatum (Bembidion)*** MOTSCHULSKY 1850) ------G--J---------- Gc2: Caspian coast
256 ***tolbonuri (Bembidion)*** MÜLLER-MOTZFELD 1984[308] ----------RS------- Rabd?eSd, high altitude alpine species

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299 Representing a high-montane melanistic form of *B. pamiricola* Lutsh. Despite the considerable variations in habitus, numerous series display transitional specimens. Although the genitalia of both taxa are identical, we retain the subspecific status, since the forms seems rather strictly confined to the high-montane central Tian-Shan (I. Belousov) .

300 Usually, the Caucasian and Middle Asian forms close to *terminale* are treated only as subspecies, yet the considerable differences in genital structure coupled with the lack of known transitions rather suggest their full specific status (see also Belousov, Sokolov, 1989) (I. Belousov) .

301 This species has been twice described by Netolitzky, both descriptions referring to the same type series but different loci typici (I. Belousov) .

302 A restudy of the type of this subspecies and its side-by-side comparison with the type of *kirgisorum* (both kept in NHMW) have revealed their identity. Since the first description of *kirgisorum* appeared earlier, it is the only valid name. The coloration of the antennae as given there is misleading. The fact that both *kirgisorum* and *bucharicum* cannot be regarded as subspecies of a single species can be deduced also from the distributions as presented by Netolitzky (I. Belousov) .

303 A restudy of the type of *B. migeti* Jedl. 1937 (kept in MNP) has revealed that this taxon is in fact a junior synonym of *B. kirgisorum* Net. 1933 (I. Belousov) .

304 The paper by Müller-Motzfeld (1990) appeared a year later than the description of *B. avaricum* Belousov et Sokolov 1989. The locus typicus of *B. gergeticum* lies within the known range of *B. avaricum* (I. Belousov) .

305 Populations with bichromous elytra tend to occur in the most dry and arid territories in the SW part of the species' range, hence perhaps warranting the erection of a separate subspecies (I. Belousov) .

306 Numerous authors (starting from Schuler, 1961) recognize no separate status of a Subgenus for this taxon, uniting it with *Ocydromus* s. str. This standpoint is confirmed by the structure of both aedeagus and spematheca (I. Belousov) .

307 In the present paper, the scope of this Subgenus is understood in a restricted sense. Only the species are included there which display punctured frontal striae and stylets in the endophallus (I. Belousov) .

257	***saxatile (Bembidion)*** GYLLLENHAL 1827	ABC-E-G---KL-----RSTUVW-Y-
	ssp. ***saxatile (Bembidion saxatile, ssp.)*** GYLLLENHAL 1827	ABC-E-G------------------- Ga1: mainly near Black Sea coast
	= (*elegans (Bembidion saxatile, syn.)* STEPHENS 1832)	
	ssp. ***caesareum (Bembidion saxatile, ssp.)*** NETOLITZKY 1914	------G------------------- Gb2
	ssp. ***kuruschicum (Bembidion saxatile, ssp.)*** NETOLITZKY 1930	------G------------------- Gc
	ssp. ***morsum (Bembidion saxatile, ssp.)*** NETOLITZKY 1930[309]	------------------S-------
	f. *apterum (Bembidion saxatile, f.)* NETOLITZKY 1930[310]	
	ssp. ***flavipalpe (Bembidion saxatile, ssp.)*** NETOLITZKY 1930[311]	----------------R-------- Re
	= *staurophor (Bembidion saxatile, syn.)* NETOLITZKY 1930 **Syn. nov.**[312]	
	ssp. (***fuscomaculatum (Bembidion saxatile, ssp.)*** MOTSCHULSKY 1844)	-------------------TUVW-Y-
258	***siculum (Bembidion)*** DEJEAN 1831	
	ssp. ***smyrnense (Bembidion siculum, ssp.)*** APFELBECK 1904	----E---------------------
	= *rebellum (Bembidion siculum, syn.)* SCHATZMAYR 1901	
	= *eskilos (Bembidion siculum, syn.)* auct. [non SCHATZMAYR 1909]	
	ssp. (***zagrosense (Bembidion siculum, ssp.)*** MORVAN 1973)	------GHI----------------- Gc: the most arid alpine parts of the E Caucasus
	= *ispartanum (Bembidion siculum, syn.)* auct. [non NETOLITZKY 1930]	
259	***semilotum (Bembidion)*** NETOLITZKY 1911	--------I----------------- Ib
260	*nairicum (Bembidion)* KHNZORIAN 1970	--------I-----------------
261	(***scopulinum (Bembidion)*** KIRBY 1837)	------------M------TUVW-Y-
	= (*thermarum (Bembidion)* MOTSCHULSKY 1844)	
	= (*obliquelunulatum (Bembidion)* MOTSCHULSKY 1844)	
	= *mongolicum (Bembidion)* JEDLIªKA 1965	
	= (*gelidum (Bembidion)* LECONTE 1848)	
	= *bellulum (Bembidion)* CASEY 1918	
262	***zolotarewi (Bembidion)*** REITTER 1910	------GH------------------ GaHb
	= *matalabai (Bembidion)* JEDLIªKA 1965	
263	***echigonum (Bembidion)*** HABU 1957	-------------------------Z

The ***Ocyturanes*** species group

264	***praeustum (Bembidion)*** DEJEAN 1831	----E-G------------------- EGa1: mainly near coast
265	***iphigenia (Bembidion)*** NETOLITZKY 1931	----E---------------------
266	***dyscheres (Bembidion)*** NETOLITZKY 1943	----------------PQRS------- PgeQReSc
267	***eucheres (Bembidion)*** NETOLITZKY 1943	------------------S-------
	ssp. ***eucheres (Bembidion eucheres, ssp.)*** NETOLITZKY 1943	------------------S------- Scde, excl. Hissarsky Mt.R.
	ssp. ***darvasicum (Bembidion eucheres, ssp.)*** MICHAILOV 1984	------------------S------- Sd: Darvaz, Khozratishoh Mt.R.
268	***lobanovi (Bembidion)*** MICHAILOV 1984	------------------S------- Sdb: Shugnansky & Ishkashimsky Mr.r.
269	***kiritschenkoi (Bembidion)*** MICHAILOV 1984	------------------R-------- Re
270	***marginipenne (Bembidion)*** SOLSKY 1874	------------------RS------- RbdeScd, in the E to Lake Issyk-Kul
271	***culminicola (Bembidion)*** PIOCHARD de la BR¯LERIE 1875[313]	
	ssp. (***davatchii (Bembidion culminicola, ssp.)*** MORVAN 1971)	--------I----------------- Iabc; Ia: south only; from 600 up to 3000 m alt.
272	***subcylindricum (Bembidion)*** REITTER 1892	------------------RS-------
	ssp. ***subcylindricum (Bembidion subcylindricum, ssp.)*** REITTER 1892[314]	------------------RS------- Re Sc (W spur of Turkestansky Mt.R.)
	ssp. ***kuljabense (Bembidion subcylindricum, ssp.)*** NETOLITZKY 1931	------------------S------- Sacde, up to 3000 m alt.
273	***hoberlandtianum (Bembidion)*** FASSATI 1959[315]	------------------RS------- RbeScd
274	***parsorum (Bembidion)*** NETOLITZKY 1934	--------I-------Q-S------- IbQaSe
275	***sevanense (Bembidion)*** BELOUSOV 1990[316]	------G-I----------------- alpine, mostly at high elevations about 3000 m alt.
	ssp. ***sevanense (Bembidion sevanense, ssp.)*** BELOUSOV 1990	--------I----------------- Ia
	ssp. ***asiorum (Bembidion sevanense, ssp.)*** MÜLLER-MOTZFELD 1990	------G------------------- Ga2bc
276	(***circassicum (Bembidion)*** REITTER 1890) [317]	------G------------------- Ga: coast, Gulripsh
	? *rousi (Bembidion circassicum, syn.)* VYSOKY 1983	------G------------------- Ga: Uch-Dere
277	***hissaricum (Bembidion)*** NETOLITZKY 1943[318]	------------------S------- Sc: W part Hissarsky Mt.R. (to Dushanbe)
	= *khanakense (Bembidion)* MICHAILOV 1984 **Syn. nov.**	
	= *wrasei (Bembidion)* MÜLLER-MOTZFELD 1986 **Syn. nov.**	

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308 Described from Mongolia, according to our data, this taxon is highly widespread in Middle Asia ranging from the W Tian-Shan and Hissar-Darvaz to the Dzhungarsky Alatau. Throughout its range, it occurs sympatrically with local forms of *B. saxatile* (I. Belousov) .

309 All Middle Asian forms differ well in body shape. Despite this, we treat them here only as subspecies, following the treatment by Netolitzky himself. On one hand, their genital structure is identical. On the other hand, in the NE of Middle Asia they gradually succeed each other (I. Belousov) .

310 The form derives from the same series as *morsum*, yet it refers to brachypterous specimens with more strongly rounded humeri (I. Belousov) .

311 Close to the preceding form, but differs well in coloration. Transitional populations inhabit the Fergansky and Hissarsky Mt. ranges (I. Belousov) .

312 The types (kept in NHMW) are a bit bigger and paler (perhaps not fully colored) that the types of *flavipalpe* (also in NHMW) . Abundant materials from the W Tian-Shan have revealed that the form cannot be retained as an independent geographical race (I. Belousov) .

313 It has been described from the Near East as an independent species, same as *davatchii*, from N Iran. Both display the same structure of the aedeagus, but the latter taxon differs by the more pale coloration (especially the femora) as well as by microsculpture. In both above characters, the Transcaucasian populations vary quite a lot, hence allowing to regard *davatchii* and *culminicola* solely as two geographical races of a single species (I. Belousov) .

314 The nominotypical form differs securely in the presence of a microsculpture on the elytra, being known from only a few localities. In general, it seems to be more low-montane and thermophilic (I. Belousov) .

315 Described from Afghanistan, this species appears rather widely distributed in Middle Asia. Despite its strong habitual differences, it seems especially closely related to *parsorum* (I. Belousov) .

316 It seems quite probable that both subspecies of this species must be considered as two eastern geographical races of *B. asiaeminoris* Net. 1935. Unfortunately, the type series of the latter taxon (kept in TMB) is represented but by 3 , all displaying certain differences in coloration and microsculpture from the Caucasian races. The only available “, labelled Cotype (kept in MNP) , derives from a locality different from the type one and is identical in genital structure to Caucasian taxa. The problem is further exacerbated due to this species' complete absence in E Turkey and differing ecologies of the Caucasian and W Turkish races (I. Belousov) .

317 Due to the presence of pores on the 5th interval of the elytra, this species is comparable only with *multipunctatum*. It is noteworthy that both species seem to be sea shore-dwellers. According to Müller-Motzfeld, *B. circassicum* ought to be attributed to *Ocyturanes* (I. Belousov) .

318 A (re) study of the types of *B. hissaricum* (kept in NHMW) , *B. khanakense* (kept in ZISP) and numerous samples from the Hissarsky Mt. Range has revealed that all belong to a single species. The dull disk of the pronotum mentioned by Müller-Motzfeld as the main feature separating *hissaricum* from *wrasei* is due to the types being strongly greasy. Some cleansing has unravelled the same degree of microsculpture reduction. The sizes of the type, though little, still lie within the variation range of *B. hissaricum* (I. Belousov) .

The ***Peryphanes*** species group[319]

278 ***lirykense (Bembidion)*** REITTER 1908 -------HIJ---------- HcIbcJ
= *lyrikense (Bembidion)* auct.
= *zechneticum (Bembidion)* MÜLLER-MOTZFELD 1989
279 ***dalmatinum (Bembidion)*** DEJEAN 1831 ---DE----------
= *biguttatum (Bembidion)* MOTSCHULSKY 1850
= *variabile (Bembidion)* J.MÜLLER 1902
var. *rufipes (Bembidion dalmatinum, var.)* DEJEAN 1831
ssp. ***haupti (Bembidion dalmatinum, ssp.)*** REITTER 1908 -------HIJ---------- HcIJ
280 ***fraxator (Bembidion)*** MÉNÉTRIÉS 1832 -----FGHIJ----------
= (*lucidum (Bembidion)* FALDERMANN 1835) [non LECONTE 1848]
281 ***incognitum (Bembidion)*** J.MÜLLER 1931 A---------- Aa
282 ***milleri (Bembidion)*** JACQUELIN du VAL 1851 A-CD----------
= *lateritium (Bembidion)* MILLER 1851
= *brunneum (Bembidion)* PETRI 1912
ssp. ***carpathicum (Bembidion milleri, ssp.)*** J.MÜLLER 1918 A---------- Aa
ssp. ***kulti (Bembidion milleri, ssp.)*** FASSATI 1942 --CD---------- Da
283 ***deletum (Bembidion)*** SERVILLE 1821 -BC-------K--------T------ Ka
= (*nitidulum (Bembidion)* MARSHAM 1802)
? *heeri (Bembidion)* UECHTRITZ 1871
= *rufipes (Bembidion)* GYLLLENHAL 1810
= *brunnipes (Bembidion)* STURM 1825
= *alpinum (Bembidion)* DEJEAN 1831
284 ***brunnicorne (Bembidion)*** DEJEAN 1831 ------GH---------- GaHb
285 ***stephensii (Bembidion)*** CROTCH 1866 ABC----------
= (*affine (Bembidion)* STEPHENS 1835)
= *heterocerum (Bembidion)* THOMSON 1870
= *canadense (Bembidion)* HAYWARD 1897
286 ***grandipenne (Bembidion)*** SCHAUM 1862
ssp. ***bulgardagense (Bembidion grandipenne, ssp.)*** FASSATI 1990 possible in Hb
287 ***olegleonidovici (Bembidion)*** FASSATI 1990 ------G---------- Ga ?Gb3
288 ***grapei (Bembidion)*** GYLLLENHAL 1827 -B--------KL-------TUVW-Y-
= *sahlbergi (Bembidion)* DEJEAN 1831
= *scrutatum (Bembidion)* CASEY 1918
= *brunnipes (Bembidion)* C.R.SAHLBERG 1834
= (*picipes (Bembidion)* KIRBY 1837)
= (*nitens (Bembidion)* LECONTE 1850)
= *aereum (Bembidion)* JACQUELIN du VAL 1851
= (*planicolle (Bembidion)* MOTSCHULSKY 1860)
= *seductum (Bembidion)* CASEY 1918
289 ***yuconum (Bembidion)*** FALL 1926 -B----------TUVW-Y-
= *grapeioides (Bembidion)* MÜNSTER 1930
= *sahlbergioides (Bembidion)* MÜNSTER 1932

The ***'lenae'*** species group

290 (***amurense (Bembidion)*** MOTSCHULSKY 1859) ----------UVW-Y-
= *trajectum (Bembidion)* NETOLITZKY 1939
= *sigma (Bembidion)* LINDROTH 1940
291 (***dauricum (Bembidion)*** MOTSCHULSKY 1844) [320] -B--------K--------TUVW-Y-
= *pseudoproperans (Bembidion)* NETOLITZKY 1920
= *lischolmi (Bembidion)* MÜNSTER 1930
292 ***lenae (Bembidion)*** CSIKI 1928 [nom. pro *intermedium* POPPIUS 1906] ----------U-W---
= *intermedium (Bembidion)* POPPIUS 1906 [non KIRBY 1837]

Subgenus ***Testediolum*** GANGLBAUER 1892

Type species: *Bembidion glaciale* HEER 1840

= *Peryphidium* TSCHITSCHÉRINE 1895

Type species: *Bembidion tjanschanicum* TSCHITSCHÉRINE 1895

293 ***armeniacum (Bembidion)*** CHAUDOIR 1846 ------GHI---------- Gbc
= (*glabricolle (Bembidion)* MOTSCHULSKY 1850)
294 ***kokandicum (Bembidion)*** SOLSKY 1874 ----------QRST------
ab. *tjanschanicum (Bembidion kokandicum, ab.)* TSCHITSCHÉRINE 1895 ----------T------ Tg
ab. *incipiens (Bembidion kokandicum, ab.)* NETOLITZKY 1920
ab. *fortipes (Bembidion kokandicum, ab.)* NETOLITZKY 1920
295 ***glaciale (Bembidion)*** HEER 1840 A---------- Aa
296 ***validum (Bembidion)*** NETOLITZKY 1920
ssp. ***validum (Bembidion validum, ssp.)*** NETOLITZKY 1920 ----------RS------- Re: S portion
ssp. ***marquardti (Bembidion validum, ssp.)*** NETOLITZKY 1920 ----------R-------- Rbcd
297 ***seminskiense (Bembidion)*** SHILENKOV 1990 ----------T------ Td: Seminsky Mt.R.

Subgenus ***Pamirium*** NETOLITZKY 1920

Type species: *Bembidion* ***platypterum*** SOLSKY 1874

298 ***platypterum (Bembidion)*** SOLSKY 1874 ----------PQRS------- PcQb
= *rimskyikorsakovi (Bembidion)* LUTSHNIK 1933
299 ***bucephalum (Bembidion)*** NETOLITZKY 1920 ----------S-------
300 ***badakshanicum (Bembidion)*** MICHAILOV 1988 ----------S------- Sb: Shugnansky Mt.R.
301 ***glasunovi (Bembidion)*** MICHAILOV 1988 ----------S------- Sbcd
302 ***petrimagni (Bembidion)*** NETOLITZKY 1920 ----------S------- Sc: Zeravshansky & Peter-the-Great Mt.r.
303 ***kryzhanovskii (Bembidion)*** MICHAILOV 1988 ----------S------- Sbc:Ishkashimsky, Shugnansky & Turkestansky Mt.r
304 ***mesasiaticum (Bembidion)*** MICHAILOV 1988 ----------S------- Sb: E Pamirs
305 ***punctulipenne (Bembidion)*** H.BATES 1878 ----------S------- Sd
306 ***ghilarovi (Bembidion)*** MICHAILOV 1988 ----------R-------- Re: Aksu-Dzhabagly Reserve
307 ***jacobsoni (Bembidion)*** MICHAILOV 1988 ----------R-------- Rb: Zailiisky Alatau Mts

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319 With the exception of new taxa, the nomenclature of the Caucasian *Peryphanes* is given here after our paper shortly to appear. Hence, the respective changes and innovations will be discussed elsewhere (I. Belousov) .

320 This species has been traditionally related to both *yukonum* and *grafpei* and seems to belong in the Subgenus *Peryphanes*. In our opinion, however, the armature of the endophallus (position of the ribbon brush, lack of a developed stylet) is rather evidence of its closer affinities with *amurense* and, in particular, *lenae*, from which it differs only in the absence of a spiralling curve of the distal part of the elongted sclerites. Apparently, this species deserves separation into a group of its own together with a few Central and East Asian congeners. This problem will be dealt with in due detail in a forthcoming publication (I. Belousov) .

Subgenus ***Synechostictus*** MOTSCHULSKY 1864
Type species: *Bembidion ruficorne* STURM 1825

308 ***elongatum (Bembidion)*** DEJEAN 1831 ------G------------------
= *puncticolle (Bembidion)* DUFOUR 1843
309 ***millerianum (Bembidion)*** HEYDEN 1883 A-----G------------------ Aa, Ga1: Krasnaya Polyana
= *basale (Bembidion)* MILLER 1868
310 ***moschatum (Bembidion)*** PEYRON 1858 ------GH-----------------
311 ***nordmanni (Bembidion)*** CHAUDOIR 1844 ------G------------------
312 ***multisulcatum (Bembidion)*** REITTER 1890 ------GH----------------- GabHb
= *sulcipenne (Bembidion)* REITTER 1889 [non J.SAHLBERG 1880]
ssp. ***lubricum (Bembidion multisulcatum, ssp.)*** LUTSHNIK 1938 [non CASEY 1918][321] ------G------------------ Gab: lower mountains
ssp. ***cariniger (Bembidion multisulcatum, ssp.)*** KORGE 1971 -------H----------------- Hb and Chorokh
313 (***decoratum (Bembidion)*** DUFTSCHMID 1812) A------------------------
= *albipes (Bembidion)* STURM 1825
= *crenatum (Bembidion)* DEJEAN 1831
314 ***ruficorne (Bembidion)*** STURM 1825 ------G------------------
= (*rufipes (Bembidion)* ILLIGER 1801) [non PAYKULL 1790]
315 ***atroviolaceus (Bembidion)*** DUFOUR 1820 A-----G------------------
ssp. ***atroviolaceum (Bembidion atroviolaceus, ssp.)*** DUFOUR 1820 A------------------------
= *stomoides (Bembidion)* DEJEAN 1831
= *albipes (Bembidion)* HEER 1841 [non STURM 1825]
ssp. ***rousorum (Bembidion atroviolaceus, ssp.)*** FASSATI 1992 ------G----------------- Ga1: Krasnaya Polyana
var. *rufipes (Bembidion atroviolaceus, var.)* JACQUELIN du VAL 1851

Subgenus ***Pseudolimnaeum*** KRAATZ 1888
Type species: *Bembidion eichhoffi* KRAATZ 1888

316 ***doderoi (Bembidion)*** GANGLBAUER 1892 A------------------------
317 ***lederi (Bembidion)*** REITTER 1888 ----E-G------------------
? *longicollis (Bembidion)* MOTSCHULSKY 1860

Tribe *POGONINI*

Genus ***Cardioderus*** DEJEAN 1829
Type species: *Daptus chloroticus* FISCHER von WALDHEIM 1823

1 (***chloroticus (Cardioderus)*** FISCHER von WALDHEIM 1823) ---D-F-------NO----T------ Tb

Genus ***Pogonus*** DEJEAN 1822
Type species: *Carabus chalceus* MARSHAM 1812

Subgenus ***Pogonoidius*** CARRETT 1903
Type species: *Pogonus meridionalis* DEJEAN 1828
= *Pogonulus* LUTSHNIK 1926
Type species: *Pogonus punctulatus* DEJEAN 1828

1 ***cumanus (Pogonus)*** LUTSHNIK 1916 ---D-F--------O----------
2 ***meridionalis (Pogonus)*** DEJEAN 1828 ---D-F--------OP---TUV---- Vcd
= *salinus (Pogonus)* MOTSCHULSKY 1844
3 ***punctulatus (Pogonus)*** DEJEAN 1828 ---D-F--------OP---TUVW---
= *longicornis (Pogonus)* MOTSCHULSKY 1844
4 ***turkestanicus (Pogonus)*** LUTSHNIK 1935 -------------OP----------

Subgenus ***Pogonus*** NICOLAI 1822
Type species: *Carabus chalceus* MARSHAM 1812
= *Nogopus* LUTSHNIK 1926
Type species: *Pogonus reticulatus* SCHAUM 1857
= *Raptor* LUTSHNIK 1926
Type species: *Pogonus riparius* DEJEAN 1828
= *Calopogonus* LUTSHNIK 1926
Type species: *Pogonus smaragdinus* WALTL 1839

5 ***fasciatopunctatus (Pogonus)*** A.MORAWITZ 1862 ----------V----
6 ***itoshimaensis (Pogonus)*** HABU 1954 ----------Y- Yd: on shores of lagunes
7 ***iridipennis (Pogonus)*** NICOLAI 1822 ---D-F-------NOP---T-V--Y- Vcd
= *brevicollis (Pogonus)* MANNERHEIM 1824
= *fulvipennis (Pogonus)* DEJEAN et BOISDUVAL 1830
8 (***litoralis (Pogonus)*** DUFTSCHMID 1812) ---D-F----------
= (*pilipes (Pogonus)* GERMAR 1817)
= *aeruginosus (Pogonus)* STEPHENS 1829
9 (***luridipennis (Pogonus)*** GERMAR 1822) --CD-FG-I---MNOP---TUV---- Pa: Barsakelmes Isl., Vcd
= *flavipennis (Pogonus)* DEJEAN 1828
10 ***gilvipes (Pogonus)*** DEJEAN 1828 ---D----------P----------
11 ***micans (Pogonus)*** CHAUDOIR 1827 -------------OP----------
12 ***orientalis (Pogonus)*** DEJEAN 1828 ---D----------OP----------
13 ***reticulatus (Pogonus)*** SCHAUM 1857 ---D---------- Db ?Dd
14 ***submarginatum (Pogonus)*** REITTER 1908 ---D----------OP----------
15 ***transfuga (Pogonus)*** CHAUDOIR 1870 ---D-F--------OP---TUV---- TgUcVcd
= *persicus (Pogonus)* CHAUDOIR 1842
= *orientalis (Pogonus)* GEBLER 1847 [non DEJEAN 1828]
16 ***lutshniki (Pogonus)*** KRYZHANOVSKIJ 1990 ---------------P----------
17 ***virens (Pogonus)*** MÉNÉTRIÉS 1849 -------------OP----------

Genus ***Pogonistes*** CHAUDOIR 1870
Type species: *Pogonus testaceus* DEJEAN 1828

Subgenus ***Pogonistes*** CHAUDOIR 1870

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321 The name *lubricum* is preoccupied within *Bembidion* and must be replaced. Yet we refrain from a formal renaming, since the infraspecific structure of *B. multisulcatum* Rtt. remains obscure (I. Belousov) .

Type species: *Pogonus testaceus* DEJEAN 1828

= *Eupogonistes* CARRETT 1903

Type species: *Pogonus gracilis* DEJEAN 1828

1 (***angustus (Pogonistes)*** GEBLER 1830) ---D-F-------NOP---T------ Tb
= (*angustatus (Pogonistes)* MOTSCHULSKY 1844)
2 ***convexicollis (Pogonistes)*** CHAUDOIR 1871 ---D-F--------OP----------
= *odessanus (Pogonistes)* LUTSHNIK 1925
3 (***rufoaeneus (Pogonistes)*** DEJEAN 1828) ---D-FG-I-----OP---T------
= (*elongatus (Pogonistes)* MOTSCHULSKY 1844)
= (*cordicollis (Pogonistes)* MOTSCHULSKY 1850)

Subgenus ***Syrdenus*** CHAUDOIR 1870

Type species: *Pogonus filiformis* DEJEAN 1828

4 ***debilis (Pogonistes)*** KRYZHANOVSKIJ et MICHAILOV 1971 ----------------Q--------- Qd
5 (***grayi (Pogonistes)*** WOLLASTON 1862) --------I------PQ--------- Qd

Genus ***Bedeliolus*** SEMENOV 1900

Type species: *Bedeliolus vigil* SEMENOV 1900

1 ***vigil (Bedeliolus)*** SEMENOV 1900 ----------------Q---------
= *pernix (Bedeliolus)* SEMENOV 1900
= *rambouseki (Bedeliolus)* JEDLIªKA 1931
2 ***konevi (Bedeliolus)*** KRYZHANOVSKIJ 1990 ---------------P---------- Pa: Barsakelmes Isl.

Supertribe *PATROBITAE*

Tribe *PATROBINI*

Genus ***Patrobus*** DEJEAN 1821

Type species: *Carabus rufipes* DUFTSCHMID 1812

= *Geopatrobus* DARLINGTON 1938

Type species: *Patrobus foveocollis* ESCHSCHOLTZ 1823

1 ***assimilis (Patrobus)*** CHAUDOIR 1844 -BC-------KLM------TU----- Ubc
= *clavipes (Patrobus)* THOMSON 1859
2 (***atrorufus (Patrobus)*** STRÖM 1768) ABCD--G------N------------
= (*rufipes (Patrobus)* DUFTSCHMID 1812)
= (*excavatus (Patrobus)* PAYKULL 1790)
ssp. (***atrorufus (Patrobus atrorufus, ssp.)*** STRÖM 1768) ABCD---------N------------
ssp. ***lutshniki (Patrobus atrorufus, ssp.)*** ROUBAL 1928 ------G-------------------
3 ***australis (Patrobus)*** J.SAHLBERG 1875 A-------------------------
= *septentrionalis idictus (Patrobus)* Ner.et H.WAGNER 1927
4 ***fossifrons (Patrobus)*** ESCHSCHOLTZ 1823 ------------------------X-- Xd
5 ***foveocollis (Patrobus)*** ESCHSCHOLTZ 1823 ------------------------X-- Xde
= *tenuis (Patrobus)* DARLINGTON 1938
6 ***platophthalmus (Patrobus)*** KHNZORIAN 1970 ------------M------T------ Te
7 ***quadricollis (Patrobus)*** MILLER 1868 A------------------------- Aa
8 ***septentrionis (Patrobus)*** DEJEAN 1828 -BC-------KL-------TUVWXY-
= *hyperboreus (Patrobus)* DEJEAN 1828
= *rubripennis (Patrobus)* THOMSON 1857
= *picipennis (Patrobus)* ZETTERSTEDT 1828
? *borealis (Patrobus)* MOTSCHULSKY 1844
9 ***styriacus (Patrobus)*** CHAUDOIR 1871 A------------------------- Carpathians
10 ***obliteratus (Patrobus)*** GEBLER 1848 -------------------T------ Tc
= *ovipennis (Patrobus)* CHAUDOIR 1850

Genus ***Diplous*** MOTSCHULSKY 1850

Type species: *Patrobus sibiricus* MOTSCHULSKY 1844

= *Platidius* CHAUDOIR 1871

Type species: *Patrobus aterrimus* DEJEAN 1828

11 (***depressus (Diplous)*** GEBLER 1829) -------------------TUVW-Y- Wb
12 (***sibiricus (Diplous)*** MOTSCHULSKY 1844) --------------------UV--YZ
ssp. (***sibiricus (Diplous sibiricus, ssp.)*** MOTSCHULSKY 1844) --------------------UV--Y-
ssp. ***atratus (Diplous sibiricus, ssp.)*** HABU 1951 -------------------------Z Zb: Iturup Isl.

Tribe *DELTOMERINI*

Genus ***Deltomerus*** MOTSCHULSKY 1850

Type species: *Platynus elongatus* DEJEAN 1931

= *Platynus* DEJEAN 1831 [non BONELLI 1810]

Type species: *Platynus elongatus* DEJEAN 1831

= *Cardiomera* CHAUDOIR 1846 [non BASSI 1810]

Type species: *Platynus elongatus* DEJEAN 1831

The ***'werneri'*** species group

1 ***werneri (Deltomerus)*** REITTER 1906 -------H------------------ Hb: Trialetian Mt.R.

The ***'bogatshevi'*** species group

2 ***mirabilis (Deltomerus)*** ZAMOTAILOV 1992 ------G------------------- Gc1: Chechnya: Bokovoy Mt.R.
3 ***bogossicus (Deltomerus)*** ZAMOTAILOV 1992 ------G------------------- boundary between Gc1 and Gc2: Bogossian Mt.R.
4 ***bogatshevi (Deltomerus)*** ZAMOTAILOV 1988 ------G------------------- Gc2
ssp. ***bogatshevi (Deltomerus bogatshevi, ssp.)*** ZAMOTAILOV 1988 ------G------------------- Gc2: subnival zone of E part of Gc2
ssp. ***kebekensis (Deltomerus bogatshevi, ssp.)*** ZAMOTAILOV 1988 ------G------------------- Gc2: Kebek-Tepe Mt.R.
ssp. ***babadagi (Deltomerus bogatshevi, ssp.)*** ZAMOTAILOV 1988 ------G------------------- Gc2: Babadagh Mt.

The ***'elegans'*** species group

5 ***gusevi (Deltomerus)*** BELOUSOV et ZAMOTAILOV 1988 -------H---------- Hc: E of Murovdagh Mts
6 ***khnzoriani (Deltomerus)*** KURNAKOV 1960 --------I---------- E part of Ia
7 ***jeanneli (Deltomerus)*** KURNAKOV 1960 ------G---------- Gb2: env. Kazbeg Mt.
8 ***raddei (Deltomerus)*** PUTZEYS 1878 ------G---------- Gc1: ? Kartli Mt.R.
= *elegans (Deltomerus)* auct. [part. non CHAUDOIR 1871]
9 ***elegans (Deltomerus)*** CHAUDOIR 1871 ------G---------- Gc1: Khevsuretia
10 ***ensiger (Deltomerus)*** KURNAKOV 1960 ------G---------- Gb2: Kalasan Pass
11 ***osseticus (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gb2: Bokovoy Mt.R. in basin of Fiagdon Riv.
12 ***lailensis (Deltomerus)*** ZAMOTAILOV 1994 ------G---------- Gb3: env. Laila Mt.

The ***'kryzhanovskii'*** species group

13 ***kryzhanovskii (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Gb2: W of N Ossetia: Tsey

The ***'intermedius'*** species group

14 ***intermedius (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gc1: Bokovoy Mt.R. near Tebulosmta Mt.
15 ***golovatchi (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gc1: Ingushetia: Matlam (Stolovaya) Mt.
16 ***chachalgensis (Deltomerus)*** ZAMOTAILOV 1994 ------G---------- Gc1: Chechnya: Khakhalgi Mt.

The ***'dariae'*** species group

17 ***dariae (Deltomerus)*** ZAMOTAILOV 1994 ------G---------- Gc1: Chechnya: Khakhalgi Mt.
18 ***abdurakhmanovi (Deltomerus)*** ZAMOTAILOV 1994 ------G---------- Gc1: Ingushetia: Dzheirakh

The ***'fulvipes'*** species group

19 (***fulvipes (Deltomerus)*** MOTSCHULSKY 1839) ------G---------- Gb2c1: Tushetia & Kakhetia
20 ***tshetshenicus (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gc1: Chechnya: Snegovoy Mt.R.
21 ***kataevi (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- boundary between Gc1 and Gc2: Bogossian Mt.R.

The ***'elongatus'*** species group

22 ***alexeevi (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gb2: N Ossetia:basin of Fiagdon Riv., Skalistyi Mts
23 ***triseriatus (Deltomerus)*** PUTZEYS 1878 ------G---------- Gc1: Khevsuretia
24 ***komarovi (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Gb2: W of N Ossetia: gorge of Tsey Riv.
25 ***iristonicus (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gb2: Ossetia
26 (***elongatus (Deltomerus)*** DEJEAN 1831) ------G---------- Gb2: E of N Ossetia
27 ***kurnakovi (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Gb2: S Ossetia
28 ***miroshnikovi (Deltomerus)*** ZAMOTAILOV 1994 ------G---------- Gb1: E of Balkaria: sources of Akhsu Riv.
29 ***belousovi (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Gb2: Mamison Pass
30 ***sokolovi (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Gb2: W of N Ossetia: Skalistyi Mt.R.: Uazakhokh Mt.
31 ***dubiolus (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gb2: Racha: Lebeurismta Mt.

The ***'dubius'*** species group

32 (***dubius (Deltomerus)*** CHAUDOIR 1846) ------G---------- Gb3: Lechkhumi Mt.R.
33 ***leticus (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gb2: Racha Mt.R.

The ***'tibialis'*** species group

34 ***exspectatus (Deltomerus)*** ZAMOTAILOV 1992 ------G---------- Gb2: Dvaletian Mt.R., env. Khalatsa Mt.
35 ***tibialis (Deltomerus)*** REITTER 1887 ------G---------- Ga23b13

The ***'pseudoplatynus'*** species

36 ***circassicus (Deltomerus)*** REITTER 1890 ------G---------- Ga1
37 ***fischtensis (Deltomerus)*** KURNAKOV 1960 ------G---------- Ga1 only high alpine zone
38 ***kovali (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Ga1: Ashe valley
39 ***sergeii (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Ga1: Dederkoy & Makopse Riv.
40 ***defanus (Deltomerus)*** ZAMOTAILOV 1988 ------G---------- Ga1: Plancheskaya
41 ***pseudoplatynus (Deltomerus)*** REITTER 1887 ------G---------- Ga1
ssp. ***pseudoplatynus (Deltomerus pseudoplatynus, ssp.)*** REITTER 1887 ------G---------- Ga1: between Mzymta valley and Goith Pass
ssp. ***aibgensis (Deltomerus pseudoplatynus, ssp.)*** ZAMOTAILOV 1992 ------G---------- Ga1: Aibga Mt.R.
ssp. ***inferior (Deltomerus pseudoplatynus, ssp.)*** ZAMOTAILOV 1988 ------G---------- Ga1: Zubavaya Stshel

The ***'validus'*** species group

42 (***validus (Deltomerus)*** CHAUDOIR 1846) -------H---------- Hb: Adzharo-Imeretian Mt.R.

The ***'carpathicus'*** species group

43 (***carpathicus (Deltomerus)*** MILLER 1868) A---------- Aa
= *kaszabi (Deltomerus)* SZEKESSY 1943

Genus ***Platydiolus*** CHAUDOIR 1878
Type species: *Platydiolus rufus* CHAUDOIR 1878
= *Patroboidea* VAN DYKE 1925
Type species: *Patroboidea rufa* VAN DYKE 1925 [non CHAUDOIR 1878]

1 ***rufus (Platydiolus)*** CHAUDOIR 1878 ----------TUVW---

Supertribe *PSYDRITAE*

Tribe *PSYDRINI*

Genus ***Nomius*** CASTELNAU 1834
Type species: *Morio pygmaeus* DEJEAN 1831
= *Haplochile* LECONTE 1850
Type species: *Morio pymaeus* DEJEAN 1831

1 (***pygmaeus (Nomius)*** DEJEAN 1831) ------G-I----------
= *graecus (Nomius)* CASTELNAU 1835

Supertribe *PTEROSTICHITAE*

Tribe *MORIONINI*

Genus ***Morion*** LATREILLE 1810
Type species: *Harpalus monilicornis* LATREILLE 1810
= *Morio* auct.

1 ***olympicus (Morion)*** L.REDTENBACHER 1843 ------GH----------
= *colchicus (Morion)* CHAUDOIR 1844
= *caucasicus (Morion)* MOTSCHULSKY 1845

Tribe *PTEROSTICHINI*

Genus ***Stomis*** CLAIRVILLE 1806
Type species: *Carabus pumicatus* PANZER 1796

Subgenus ***Stomis*** CLAIRVILLE 1806
Type species: *Carabus pumicatus* PANZER 1796

1 ***danielanus (Stomis)*** SEMENOV 1904 -------H---------- Hb
2 ***hyrcanus (Stomis)*** TSCHITSCHÉRINE 1904 N Iran: Elburs, Khorasan Mts
3 (***pumicatus (Stomis)*** PANZER 1796) ABCD-FGH---------- Hc
= (*tenuis (Stomis)* MARSHAM 1802)
= *genuinus (Stomis)* LETZNER 1851
= *rufescens (Stomis)* LETZNER 1851
= *picipes (Stomis)* DALLA TORRE 1877
= *rubripes (Stomis)* DALLA TORRE 1877
4 ***tschitscherini (Stomis)*** SEMENOV 1904 ---------J----------

Subgenus ***Eustomis*** SEMENOV 1889
Type species: *Stomis formosus* SEMENOV 1889

5 ***formosus (Stomis)*** SEMENOV 1889[322] ----------R-------- Ra?b

Genus ***Abacetus*** DEJEAN 1828
Type species: *Abacetus gagates* DEJEAN 1828

Subgenus ***Astigis*** RAMBUR 1838

1 ***quadripustulatus (Abacetus)*** PEYRON 1858 --------I---------- Arax valley
2 ***inexpectatus (Abacetus)*** KRYZHANOVSKIJ et ABDURACHMANOV 1983 ------G---------- Gc2 - lower flow of Samur Riv., Turianchay

Genus ***Poecilus*** BONELLI 1810
Type species: *Carabus cupreus* LINNAEUS 1758

Subgenus ***Poecilus*** BONELLI 1810
Type species: *Carabus cupreus* LINNAEUS 1758
= *Feronia* LATREILLE 1817
Type species: *Carabus cupreus* LINNAEUS 1758
= *Sogines* STEPHENS 1828
Type species: *Carabus punctulatus* SCHALLER 1783
= *Macropoecilus* LUTSHNIK 1924
Type species: *Pterostichus lepidus* LESKE 1785
= *Parapoecilus* JEANNEL 1941
Type species: *Poecilus dimidiatus* OLIVIER 1795
= *Americobius* LUTSHNIK 1914
Type species: *Poecilus azteka* TSCHITSCHÉRINE 1891
= *Leconteus* LUTSHNIK 1914
Type species: *Poecilus chalcites* SAY 1825
= *Coelipus* LUTSHNIK 1914
Type species: *Platysma crenulatum* DEJEAN 1828
= *Pseudosogines* LUTSHNIK 1914
Type species: *Poecilus lucasi* REICHE 1868
= *Glazunovius* LUTSHNIK 1914
Type species: *Poecilus liosomus* CHAUDOIR 1876
= *Praveius* LUTSHNIK 1914
Type species: *Poecilus striatopunctatum* DUFTSCHMID 1812

1 ***akinini (Poecilus)*** TSCHITSCHÉRINE 1887 ----------P-R-------- Rb: from Kirghizsky & Zailiisky Alatau Mt.R to Ili Riv.
= *intermedius (Poecilus)* POPPIUS 1907
2 ***anodon (Poecilus)*** CHAUDOIR 1868 ---D-F----------
3 ***balassogloi (Poecilus)*** TSCHITSCHÉRINE 1886 ----------R-------- Rb: Ketmen, Kuluktau Mt.R.
4 ***crimeensis (Poecilus)*** STRANEO 1960 ----E----------
= *expansus (Poecilus)* REITTER [nom. nud.]
5 (***cupreus (Poecilus)*** LINNAEUS 1758) ABCDEFGHIJ--MNOP-RSTU-----
= *lugubris (Poecilus)* MOTSCHULSKY 1845
= *puncticeps (Poecilus)* THOMSON 1867
= *cyaneus (Poecilus)* GEBLER 1841
= *cursorius (Poecilus)* HEER 1841 [non DEJEAN 1828]
= *rectangulus (Poecilus)* LETZNER 1852

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322 Originally described from 2” deriving from the Zailiisky Mt. Range, Lake Zhasylkul (= Issyk) , in spite of subsequent heavy collecting efforts, this species has since never been recorded there for over 100 years. A few specimens of *S. formosus* similar to the types have been recovered recently in the northeastern Dzhungarsky Alatau Mt. System: River Poznakovka, Besbokan Mt. Range, W part of the Tostau Mt. Range (I. Kabak) .

= *cuprinum (Poecilus)* LETZNER 1852
= *cupreoviridis (Poecilus)* LETZNER 1852
= *similis (Poecilus)* LETZNER 1852
= *rufescens (Poecilus)* LETZNER 1852
= *unistriatus (Poecilus)* LETZNER 1852
= *coeruleoviridis (Poecilus)* LETZNER 1852
= *pruinosus (Poecilus)* LETZNER 1852
= *tibialis (Poecilus)* LETZNER 1852
= *picipes (Poecilus)* LETZNER 1852
= *niger (Poecilus)* LETZNER 1852
= *becyllinus (Poecilus)* PRELLER 1862
= *viridis (Poecilus)* PRELLER 1862
= *puncticeps (Poecilus)* THOMSON 1867
= *cantabricus (Poecilus)* CHAUDOIR 1876 [non SCHAUFUSS 1862]
= *graecus (Poecilus)* REITTER 1887
= *recticollis (Poecilus)* CHAUDOIR 1876
= *rubrofemoratus (Poecilus)* STEPHENS 1828
= *brandisi (Poecilus)* REITTER 1908
= *holtzerae (Poecilus)* LUTSHNIK 1916
= *prasocupreus (Poecilus)* H.WAGNER 1926
ab. *cyaneum (Poecilus cupreus, ab.)* LETZNER 1852
ab. *viride (Poecilus cupreus, ab.)* LETZNER 1852
ab. *bicolor (Poecilus cupreus, ab.)* LETZNER 1852
ab. *affinis (Poecilus cupreus, ab.)* STURM 1824
ab. *pseudoaffinis (Poecilus cupreus, ab.)* LUTSHNIK 1912
ab. *nigrivirens (Poecilus cupreus, ab.)* LETZNER 1852
ab. *ferreum (Poecilus cupreus, ab.)* LETZNER 1852
ab. *iridicolor (Poecilus cupreus, ab.)* WESTHOFF 1881
ab. *bipunctatum (Poecilus cupreus, ab.)* LETZNER 1852
ab. *quadripunctatum (Poecilus cupreus, ab.)* LETZNER 1852
ab. *intrequensis (Poecilus cupreus, ab.)* LUTSHNIK 1912
ssp. ***dinniki (Poecilus cupreus, ssp.)*** LUTSHNIK 1912 `---D---------- Dbd`
= *viridis (Poecilus cupreus, syn.)* MOTSCHULSKY [nom. nud.]
ssp. ***erytropus (Poecilus cupreus, ssp.)*** DEJEAN et BOISDUVAL 1832 `-----FGHIJ-----P---------- GacPa`
ab. *xeniae (Poecilus cupreus, ab.)* LUTSHNIK 1912
ssp. ***anatolicus (Poecilus cupreus, ssp.)*** CHAUDOIR 1850 `? Armenia`
ab. *kozhevnikovi (Poecilus cupreus, ab.)* LUTSHNIK 1913
ab. *zolotarevskyi (Poecilus cupreus, ab.)* LUTSHNIK 1914 `Turkmenistan, Bukhara`
ssp. ***matthiesseni (Poecilus cupreus, ssp.)*** LUTSHNIK 1930 `---------------P--S------- PfSac`
6 (***versicolor (Poecilus)*** STURM 1824) `ABCD--G---K-MNOP-R-TUVW---`
= (*coerulescens (Poecilus)* LINNAEUS 1758)
= *pauciseta (Poecilus)* THOMSON 1867
= *complicatus (Poecilus)* MOTSCHULSKY [nom. nud.]
= *cupreoides (Poecilus)* HEER 1841
= *tricolor (Poecilus)* LETZNER 1852
= *planicollis (Poecilus)* MOTSCHULSKY 1860
= *tenebricosus (Poecilus)* WESTHOFF 1881
= *viridicolor (Poecilus)* WESTHOFF 1881
= *subcyaneus (Poecilus)* PRELLER 1862
= *medius (Poecilus)* DEJEAN 1828
= *punctatostriatus (Poecilus)* STEPHENS 1828
7 ***excellens (Poecilus)*** TSCHITSCHÉRINE 1895 `---------------P-R-------- Rb`
8 (***cursorius (Poecilus)*** DEJEAN 1828)
ssp. ***gotschi (Poecilus cursorius, ssp.)*** CHAUDOIR 1846 `--------I-----------------`
9 ***encopoleus (Poecilus)*** SOLSKY 1873 `----------------------V--Y-`
10 ***festivus (Poecilus)*** CHAUDOIR 1868 `--------I-----------------`
= *kamberskyi (Poecilus)* REITTER 1889
11 ***fortipes (Poecilus)*** CHAUDOIR 1850 `--------------------TUVWXYZ`
= *songoricus (Poecilus)* MOTSCHULSKY [nom. nud.]
= *instabilis (Poecilus)* MÄKLIN [nom. nud.]
= *instabilis (Poecilus)* MOTSCHULSKY [nom. nud.]
= *sibiricus (Poecilus)* CSIKI 1930
= *latithorax (Poecilus)* TSCHITSCHÉRINE 1887
= *leamostenomimus (Poecilus)* LUTSHNIK 1914
= *zinaidae (Poecilus)* LUTSHNIK 1914
var. *fulgidus (Poecilus fortipes, var.)* MOTSCHULSKY 1850
ab. *anomalus (Poecilus fortipes, ab.)* LUTSHNIK 1914 [non CHAUDOIR 1850, nec H.BATES 1883] `Ussuri`
ab. *obscurus (Poecilus fortipes, ab.)* FALDERMANN 1835
ab. *ussuricus (Poecilus fortipes, ab.)* CSIKI 1930
12 ***samurai (Poecilus)*** LUTSHNIK 1916 `-------------------------Z`
= *prolixus (Poecilus)* PUTZEYS 1875 [non ERICHSON 1837]
13 (***gebleri (Poecilus)*** DEJEAN 1828) `--------------------TUV--Y-`
= *muralevitshi (Poecilus gebleri, syn.)* LUTSHNIK 1914 `Mongolia, Manchuria, China`
14 ***lamproderus (Poecilus)*** CHAUDOIR 1868 `-------------------------Y-`
15 (***lepidus (Poecilus)*** LESKE 1785) `ABCD------K-MN-----T------`
16 ***stenoderus (Poecilus)*** CHAUDOIR 1846
ssp. (***gressorius (Poecilus stenoderus, ssp.)*** auct.) [non DEJEAN 1828] `-----FG-------------------`
= *bzzezickii (Poecilus stenoderus, syn.)* LUTSHNIK 1912
= *narzanensis (Poecilus stenoderus, syn.)* LUTSHNIK 1912
17 ***liosomus (Poecilus)*** CHAUDOIR 1876 `---------------PQRS------- Re`
= *laevigatus (Poecilus)* MÉNÉTRIÉS 1849 [non DUFTSCHMID 1820]
18 ***longiventris (Poecilus)*** SOLSKY 1874 `---------------P-RS------- Re`
= *staudingeri (Poecilus)* HEYDEN 1884
19 ***nitidicollis (Poecilus)*** MOTSCHULSKY 1844 `----------------------V--YZ`
ssp. ***poppianus (Poecilus nitidicollis, ssp.)*** LUTSHNIK 1916 `--------------------U----- Ub`
= *angusticollis (Poecilus nitidicollis, syn.)* POPPIUS 1905 [non LETZNER 1852]
20 (***punctulatus (Poecilus)*** SCHALLER 1783) `ABCD-F----K--NOP-RS-------`
= *puncticollis (Poecilus)* MOTSCHULSKY 1844 [nom. praeocc.]
= *punctaticolle (Poecilus)* GEMMINGER et HAROLD 1868
= *crassicorne (Poecilus)* FISCHER von WALDHEIM 1842
= *similis (Poecilus)* LETZNER 1852
= *glabratus (Poecilus)* LETZNER 1852

21 (***reflexicollis (Poecilus)*** GEBLER 1830) ----------TUV--YZ
22 (***spectus (Poecilus)*** JEDLIˆKA 1962) ----------T------ Tb
23 (***subcoeruleus (Poecilus)*** QUENSEL 1806) A--D-FG------NOP----------
ssp. (***subcoeruleus (Poecilus subcoeruleus, ssp.)*** QUENSEL 1806) A--D-F--------OP----------
= *karelini (Poecilus subcoeruleus, syn.)* CHAUDOIR 1842
= *zolotarevianum (Poecilus subcoeruleus, syn.)* LUTSHNIK 1914 Krasnoyarsk
= (*striatopunctatum (Poecilus subcoeruleus, syn.)* DUFTSCHMID 1812)
ssp. ***szepligetii (Poecilus subcoeruleus, ssp.)*** CSIKI 1908 ---D-FG------NO----------
= *auroreus (Poecilus subcoeruleus, syn.)* LUTSHNIK 1914
var. *tusnadensis (Poecilus subcoeruleus, var.)* CSIKI 1908
var. *radnensis (Poecilus subcoeruleus, var.)* CSIKI 1908
var. *rodnaensis (Poecilus subcoeruleus, var.)* JEDLIˆKA 1924
24 (***sericeus (Poecilus)*** FISCHER von WALDHEIM 1823) ---D----------O--R-T------ Ra
= *marginalis (Poecilus)* DEJEAN 1828
= *mazarakyi (Poecilus)* LUTSHNIK 1914
= *viaticus (Poecilus)* DEJEAN 1828
ab. *suslovi (Poecilus sericeus, ab.)* LUTSHNIK 1914 Omsk
25 ***oirat (Poecilus)*** KABAK 1994 ----------R-------- Ra: N & NE Dzhungarsky Alatau Mts
26 ***slivkini (Poecilus)*** KABAK 1994 ----------R-------- Rb: Zailiisky Alatau Mts
27 ***turkestanicus (Poecilus)*** REITTER 1891[323] ----------P-RS------- Re
ab. *tamerlani (Poecilus turkestanicus, ab.)* LUTSHNIK 1914 Tashkent
motschulskyanus (Poecilus) LUTSHNIK 1912
= *caucasicus (Poecilus)* MOTSCHULSKY 1876 [non MÉNÉTRIÉS 1832]

Subgenus ***Angoleus*** A.VILLA 1833

Type species: *Poecilus puncticollis* DEJEAN 1828
= *Ancholeus* auct.

28 ***crenuliger (Poecilus)*** CHAUDOIR 1876 ---DEF-------NOP-R-T------
ssp. ***crenuliger (Poecilus crenuliger, ssp.)*** CHAUDOIR 1876 ---DEF-------N------------
= *crenatostriatus (Poecilus crenuliger, syn.)* CHAUDOIR 1846
= *tauricus (Poecilus crenuliger, syn.)* HEYDEN 1883
= *tremibundus (Poecilus crenuliger, syn.)* LUTSHNIK 1937
ssp. ***plustshewskii (Poecilus crenuliger, ssp.)*** TSCHITSCHÉRINE 1893 ---D---------NOP-R-T------ RbTb
= *gradojewitschi (Poecilus crenuliger, syn.)* LUTSHNIK 1933 Uralsk
= *sareptanus (Poecilus crenuliger, syn.)* JEDLIˆKA 1957
= *tauricus (Poecilus crenuliger, syn.)* HEYDEN 1883
= *iljinskii (Poecilus)* LUTSHNIK 1922
29 ***dissors (Poecilus)*** TSCHITSCHÉRINE 1893 ---------------PQ---------
30 ***lissoderus (Poecilus)*** CHAUDOIR 1876 ---DEF--I----NOPQR--------
= *laevicollis (Poecilus)* CHAUDOIR 1842
= *satuninianus (Poecilus)* LUTSHNIK 1916
? *inderiensis (Poecilus)* MOTSCHULSKY 1850
= *melanoscelis (Poecilus)* MARSEUL 1880
var. *planatus (Poecilus lissoderus, var.)* MÉNÉTRIÉS 1846
31 ***nitens (Poecilus)*** CHAUDOIR 1850 ---D-F--I-----OPQRST------ Tab
= *nitidus (Poecilus)* MOTSCHULSKY 1850 [non DEJEAN 1828]
= *prasinipennis (Poecilus)* TSCHITSCHÉRINE 1890
= *lissoderus (Poecilus)* TSCHITSCHÉRINE 1897 [non CHAUDOIR 1876]
= *stefaneki (Poecilus)* JEDLIˆKA 1952
ssp. ***warentzowi (Poecilus nitens, ssp.)*** TSCHITSCHÉRINE 1897 ---------------PQ---------
32 ***peregrinus (Poecilus)*** TSCHITSCHÉRINE 1898 ---------------P----------
= *laevicollis (Poecilus)* SOLSKY 1874 [non CHAUDOIR 1842]
33 ***pertusus (Poecilus)*** SCHAUM 1858 --------I-----------------
= *sculpticolle (Poecilus)* REITTER 1887
34 (***puncticollis (Poecilus)*** DEJEAN 1828) ---DEF--I-------Q---------
= *crenatostriatus (Poecilus)* STEVEN 1829
35 ***subsimilis (Poecilus)*** TSCHITSCHÉRINE 1893 ------G-------------------
? *gisellae (Poecilus)* CSIKI 1930
= *crenatus (Poecilus)* DEJEAN 1828
= *glabratus (Poecilus)* PEYRON 1858

Subgenus ***Derus*** MOTSCHULSKY 1850

Type species: *Argutor politus* MOTSCHULSKY 1845
= *Derulus* TSCHITSCHÉRINE 1896
Type species: *Feronia samojedorum* J.SAHLBERG 1907

35 (***abditus (Poecilus)*** LUTSHNIK 1933) ----------T------ Tb: Kosh-Agach
36 (***advena (Poecilus)*** QUENSEL 1806) ---D-F--I-----OP---T------
= *lugubris (Poecilus)* DEJEAN 1832
= *deplanatus (Poecilus)* MÉNÉTRIÉS 1832
= *punctifrons (Poecilus)* CHAUDOIR 1850
var. *transcaspicus (Poecilus advena, var.)* GLASUNOV 1908
37 ***aralensis (Poecilus)*** GLASUNOV 1908 --------------O--R--------
38 (***hanhaicus (Poecilus)*** TSCHITSCHÉRINE 1896) ----------T------ Tg
= *peculiaris (Poecilus)* TSCHITSCHÉRINE 1894
39 ***innatus (Poecilus)*** GLASUNOV 1908 ----------R--------
= *transiliense (Poecilus)* TSCHITSCHÉRINE [nom. nud.]
var. *transiliensis (Poecilus innatus, var.)* GLASUNOV 1908 ----------R--------
var. *ferganensis (Poecilus innatus, var.)* GLASUNOV 1908 ----------R--------
41 (***major (Poecilus)*** MOTSCHULSKY 1844) ----------V---- Vcd
= (*sumptuosus (Poecilus)* A.MORAWITZ 1862) [part.]
= *cyrtophthalmus (Poecilus)* TSCHITSCHÉRINE 1896
= *humerosus (Poecilus)* TSCHITSCHÉRINE 1896
= *petri (Poecilus)* TSCHITSCHÉRINE [nom. nud.]
42 (***ravus (Poecilus)*** LUTSHNIK 1922) ----------V--Y-
= (*politus (Poecilus)* MOTSCHULSKY 1844) [non HEER 1841]
= *motschulskyi (Poecilus)* TSCHITSCHÉRINE 1896 [non MÄKLIN 1857]

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323 Very close to *P. longiventris* Sols., with which it has been frequently confused. Yet there are a number of small but constant differences (coloration, structure of the aedeagus and endophallus) . In addition, throughout the range, *P. turkestanicus* co-exists sympatrically with *P. longiventris*. Yet the full specific rank of both taxa is beyond doubt (I. Kabak) .

= (*sumptuosus (Poecilus)* A.MORAWITZ part. 1862)
? *kozhevnikovianus (Poecilus)* LUTSHNIK 1937

43 ***bokori (Poecilus)*** CSIKI 1930 [nom. pro *algidus* POPPIUS 1904] ----------U----- Yakutia
= *algidus (Poecilus)* POPPIUS 1904 [non LECONTE 1855]
44 ***jacutorum (Poecilus)*** POPPIUS 1904 ----------U-----
ssp. ***angustior (Poecilus jacutorum, ssp.)*** POPPIUS 1904 ----------U-----
45 (***mesembrinus (Poecilus)*** TSCHITSCHÉRINE 1896) ----------P-R--------
? *nearcticus (Poecilus)* LINDROTH 1966
46 ***tengrensis (Poecilus)*** JEDLIªKA 1960 ----------R-------- Rbcd
47 ***toxanbaicus (Poecilus)*** KABAK 1990 ----------R-------- Ra: Toksanbai Mt.R., S slope of Dzhungarsky Alatau
48 ***ispulensis (Poecilus)*** KABAK 1994 ----------R-------- Ra: NE spurs of Dzhungarsky Alatau Mt.R.
49 ***kizbaiensis (Poecilus)*** KABAK 1994 ----------R-------- Ra: SE Dzhungarsky Alatau: source of Khorgos Riv.
50 ***nordenskjoeldi (Poecilus)*** J.SAHLBERG 1880 ---D------K---------U-WX--
= *nordenskioeldi (Poecilus)* TSCHITSCHÉRINE 1896 [non J.SAHLBERG 1880]
= *samojedorum (Poecilus)* J.SAHLBERG 1907
var. *gracilentus (Poecilus nordenskjoeldi, var.)* POPPIUS 1904
51 ***zicharevi (Poecilus)*** LUTSHNIK 1937 ----------N-----------
52 ***gurjevae (Poecilus)*** KABAK 1994 ----------R-------- Rd: Aksai Riv. valley

Subgenus ***Pseudoderus*** SEIDLITZ 1887

Type species: *Poecilus jantinipennis* SOLSKY 1874

53 ***carbonicolor (Poecilus)*** SOLSKY 1874 ----------S------- Sa: Alai Mt.R.
= *pascuorum (Poecilus)* TSCHITSCHÉRINE 1890
= *pascuorum (Poecilus)* THIEME [nom. nud.]
54 ***leptoderus (Poecilus)*** SOLSKY 1874 ----------S------- Sc: Turkestansky Mt.R.
55 ***kraatzi (Poecilus)*** HEYDEN 1882 ----------S------- Sd
= *cyanidorsis (Poecilus)* TSCHITSCHÉRINE 1890
56 (***rostowtzewi (Poecilus)*** TSCHITSCHÉRINE 1898) ----------S------- Sd
57 ***tschitscherini (Poecilus)*** SEMENOV 1891 ----------S------- Sd
58 (***effrenus (Poecilus)*** LUTSHNIK 1930) ----------S------- Sa: E part of Alai Mt.R. (Gulcha Riv.)
59 (***grombczewskii (Poecilus)*** TSCHITSCHÉRINE 1890) ----------S------- Sa: Alai Mt.R.
= *janthinipennsis (Poecilus)* part.
60 ***janthinipennis (Poecilus)*** SOLSKY 1874 ----------RS------- RedSa: peripheries of Alai & Fergansky Mt.r.
61 (***gonioderus (Poecilus)*** TSCHITSCHÉRINE 1901) ----------R-------- Rbd
62 (***melanochrus (Poecilus)*** TSCHITSCHÉRINE 1901) ----------R-------- Rd
63 ***schamsiensis (Poecilus)*** POPPIUS 1907 ----------R-------- Rbd
64 (***pseudopurpurascens (Poecilus)*** KIRSCHENHOFER 1987) ----------R-------- Rb: W part of Chatkalsky Mt.R.
65 ***timuri (Poecilus)*** KABAK 1994 ----------R-------- Re
ssp. ***timuri (Poecilus timuri, ssp.)*** KABAK 1994 ----------R-------- Re: Aksu-Dzhabagly Reserve, Ugamsky Mt.R.
ssp. ***talassicus (Poecilus timuri, ssp.)*** KABAK 1994 ----------R-------- Re: middle part of Talassky Mt.R.
66 ***ovtshinnikovi (Poecilus)*** KABAK 1994 ----------R-------- Re: E part of Chatkalsky & Atoinoksky Mt.r.
ssp. ***ovtshinnikovi (Poecilus ovtshinnikovi, ssp.)*** KABAK 1994 ----------R-------- Re: Sary-Chelek Reserve
ssp. ***karakuldzhensis (Poecilus ovtshinnikovi, ssp.)*** KABAK 1994 ----------R-------- Re: Karakuldzha Riv. valley
ssp. ***namanganensis (Poecilus ovtshinnikovi, ssp.)*** KABAK 1994 ----------R-------- Re: Padsha-Ata Riv.

Subgenus ***Lyropedius*** SEIDLITZ 1887

Type species: *Poecilus lyroderus* CHAUDOIR 1846

67 ***lyroderus (Poecilus)*** CHAUDOIR 1846 ----EF----------
68 ***bogatshevi (Poecilus)*** KRYZHANOVSKIJ 1984 --------I----------

Genus ***Pterostichus*** BONELLI 1810[324]

Type species: *Carabus fasciatopunctatus* CREUTZER 1799
= *Platysma* auct.

Subgenus ***Platysma*** BONELLI 1810

Type species: *Carabus niger* SCHALLER 1783

1 ***cordaticollis (Pterostichus)*** HEYDEN 1884 ----------RS------- Re
2 ***crenulatopunctatus (Pterostichus)*** R.F.SAHLBERG 1844 ----------W---
3 ***eschscholtzi (Pterostichus)*** GERMAR 1824 ----------TUVW-Y-
= *picipennis (Pterostichus)* MOTSCHULSKY 1844
= *fortis (Pterostichus)* A.MORAWITZ 1862[325]
4 (***glasunovi (Pterostichus)*** TSCHITSCHÉRINE 1893) ----------S-------
5 ***galinae (Pterostichus)*** KABAK 1992 ----------R-------- Re: W of Zailiisky Alatau & Suuktyube Mt.r.
6 (***insignicollis (Pterostichus)*** TSCHITSCHÉRINE 1893) ----------P-R-------- PdRb
7 ***leptis (Pterostichus)*** H.BATES 1883 ----------Z
8 (***niger (Pterostichus)*** SCHALLER 1783) ABCDEFGH-JKLMNOP-RSTUVW-Y-
ssp. (***niger (Pterostichus niger, ssp.)*** SCHALLER 1783) ABCDEF---JKLMNOP-RST------
= (*nigristriatus (Pterostichus niger, syn.)* DE GEER 1774)
= (*frischi (Pterostichus niger, syn.)* HERBST in FUESSLY 1785)
= (*clavipes (Pterostichus niger, syn.)* SCRIBA 1790)
= (*striatus (Pterostichus niger, syn.)* ROSSI 1792)
= (*leucophthalmus (Pterostichus niger, syn.)* PANZER 1796)
= *genuinus (Pterostichus niger, syn.)* LETZNER 1852
= *angustatus (Pterostichus niger, syn.)* LETZNER 1852
= *dilatatus (Pterostichus niger, syn.)* LETZNER 1852 [non VILLA 1833]
= *cruciatus (Pterostichus niger, syn.)* LETZNER 1852
= *foveolatus (Pterostichus niger, syn.)* LETZNER 1852 [non DUFTSCHMID 1812]
= *picipes (Pterostichus niger, syn.)* LETZNER 1852
ssp. ***distinguendus (Pterostichus niger, ssp.)*** HEER 1838 ------GH----------
= *subcordatus (Pterostichus niger, syn.)* CHAUDOIR 1842
? *brevicornis (Pterostichus niger, syn.)* GAUTIER 1869 [non KIRBY 1837]
ssp. ***planipennis (Pterostichus niger, ssp.)*** R.F.SAHLBERG 1844 ----------TUVW-Y-
= *rapax (Pterostichus niger, syn.)* MOTSCHULSKY 1844

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324 The order of presentation of the subgenera corresponds to the new system of the genus *Pterostichus* to be published elsewhere (V. Shilenkov) .

325 Often regarded as a separate species, yet all intergrades exist between *P. eschscholtzi* Germ. and *P. fortis* Mor., displaying a pattern of gradual clinal variation (V. Shilenkov) .

9 (***planicollis (Pterostichus)*** TSCHITSCHÉRINE 1898) ----------P---T------ from Aral Sea to Minusinskaya Depression and Tuva

= (*jaxartis (Pterostichus)* TSCHITSCHÉRINE 1903) **Syn. nov.**[326]

= (*tescorum (Pterostichus)* TSCHITSCHÉRINE 1898) **Syn. nov.**[193]

Subgenus ***Lyperopherus*** MOTSCHULSKY 1850

Type species: *Pterostichus rugosus* GEBLER 1825

= *Metallophilus* MOTSCHULSKY 1844

Type species: *Pterostichus interruptus* DEJEAN 1828

10 (***mirus (Pterostichus)*** TSCHITSCHÉRINE 1894) ----------V----

= *kaszabi (Pterostichus)* JEDLIˇKA 1959[327]

= (*regularis (Pterostichus)* MOTSCHULSKY 1844) [non FISCHER von WALDHEIM 1824]

11 ***rugosus (Pterostichus)*** GEBLER 1825 ----------UV--Y-

= *cribellus (Pterostichus)* MÉNÉTRIÉS 1851

12 ***interruptus (Pterostichus)*** DEJEAN 1828 ----------TUV--Y-

= *confluens (Pterostichus)* FISCHER von WALDHEIM 1824

? *dichrous (Pterostichus)* LUTSHNIK 1922

13 ***kamtschaticus (Pterostichus)*** MOTSCHULSKY 1860 ----------WX--

14 ***pfitzenmayeri (Pterostichus)*** POPPIUS 1906 ----------W---

15 ***sublaevis (Pterostichus)*** J.SAHLBERG 1880 ----------KL--------U-W--- Ka1Ua

ab. *unicoloripes (Pterostichus sublaevis, ab.)* POPPIUS 1910

16 ***orion (Pterostichus)*** TSCHITSCHÉRINE 1901 ----------Y-

Subgenus ***Myosodus*** FISCHER von WALDHEIM 1823

Type species: *Myosodus regularis* FISCHER von WALDHEIM 1823

The ***'lacunosus'*** species group

17 (***lacunosus (Pterostichus)*** CHAUDOIR 1844) ------GH----------

ssp. (***lacunosus (Pterostichus lacunosus, ssp.)*** CHAUDOIR 1844) -------H---------- Hb

ssp. (***roubalianus (Pterostichus lacunosus, ssp.)*** LUTSHNIK 1928) ------G---------- Ga

ssp. (***intricatus (Pterostichus lacunosus, ssp.)*** MOTSCHULSKY 1845) ------G---------- Gb

The ***'starcki'*** species group

18 (***starcki (Pterostichus)*** HEYDEN 1885) ------G---------- Ga1, in the E up to Mzymta Riv.

19 (***aibgensis (Pterostichus)*** STARCK 1890) ------G----------

ssp. (***aibgensis (Pterostichus aibgensis, ssp.)*** STARCK 1890) ------G---------- Ga13: Aibga & Gagrian Mt.r.

ssp. (***adelaidae (Pterostichus aibgensis, ssp.)*** REITTER 1899) ------G---------- Ga3: Chedym,Abkhazsky Mt.r., Ga2: source of B.Laba

The ***'rudestriatus'*** species group

20 (***rudestriatus (Pterostichus)*** REITTER 1883) ------G---------- Ga23: Caucasus Major & N slope between Marukh - Elbrus

21 ***zamotajlovi (Pterostichus)*** BELOUSOV 1991 ------G---------- Ga23: Caucasus Major & S slope between Teberda-Arkhyz

22 ***aapsorum (Pterostichus)*** BELOUSOV 1991 ------G---------- Ga3: Bzybian karstic plateau

The ***'batesi'*** species group

23 (***batesi (Pterostichus)*** TSCHITSCHÉRINE 1894) ------G---------- Gc1: Skalistyi Mt.R.: Stolovaya - Khakhalgi mts

24 ***avaricus (Pterostichus)*** KRYZHANOVSKIJ et ABDURACHMANOV 1984 ------G---------- Gc1: Andian - Snegovoy Mt.r.

25 (***schoenherri (Pterostichus)*** FALDERMANN 1861) ------GH---------- HbGb2

The ***'variabilis'*** species group

26 (***variabilis (Pterostichus)*** MÉNÉTRIÉS 1832) ------G----------

= (*teberdense (Pterostichus)* LUTSHNIK 1928) ------G----------

ssp. (***variabilis (Pterostichus variabilis, ssp.)*** MÉNÉTRIÉS 1832) ------G---------- Ga2b12: from Abishira-Akhuba to N Ossetia

ssp. ***bermamyticus (Pterostichus variabilis, ssp.)*** KURNAKOV 1958 ------G---------- Ga2b1: Skalistyi Mt.R.: Bermamyt Mt.

27 (***kiritschenkoi (Pterostichus)*** LUTSHNIK 1928) ------G---------- Gb2: N Ossetia: Styr-Khokh Pass (Zakka)

28 (***ordinatus (Pterostichus)*** FISCHER von WALDHEIM 1823) ------G---------- Gb2c1

ssp. (***ordinatus (Pterostichus ordinatus, ssp.)*** FISCHER von WALDHEIM 1823) ------G---------- Gb2: from Rokk Pass to env. Krestovyi Pass

= (*obscurus (Pterostichus)* DEJEAN 1828)

m. *regularis (Pterostichus ordinatus, m.)* FISCHER von WALDHEIM 1823

ssp. (***kacheticus (Pterostichus ordinatus, ssp.)*** LUTSHNIK 1928) ------G---------- Gc1 and westernmost part of Gc2

[non *kakheticus (Pterostichus)* CHAUDOIR 1846 nom. nud.]

29 ***lutshnikianus (Pterostichus)*** BOGACHOV et KURNAKOV 1958 ------GH----------

ssp. ***lutshnikianus (Pterostichus lutshnikianus, ssp.)*** BOGACHOV et KURNAKOV 1958[328] ------GH---------- HbGb2

m. *atrofemoratus (Pterostichus lutshnikianus, m.)* BOGACHOV et KURNAKOV 1958

ssp. ***ordinatoides (Pterostichus lutshnikianus, ssp.)*** KURNAKOV 1958 ------G---------- mainly in Gb2: Mamisson Pass & Lechkhumi Mt.R.

30 (***ingushicus (Pterostichus)*** LUTSHNIK 1928) ------G---------- Gb2: env. Vladikavkaz

The ***'swaneticus'*** species group

31 ***swaneticus (Pterostichus)*** REITTER 1883 ------G---------- Gb3: eastern part

32 (***svanicus (Pterostichus)*** LUTSHNIK 1928) ------G---------- W part Gb3, E part Ga3 and adjacent areas of Ga2

= *obtusangulus (Pterostichus)* REITTER 1883 [nom. praeocc.]

33 (***filipjevi (Pterostichus)*** LUTSHNIK 1928) ------G---------- Gb3: Svanetia

The ***'nivicola'*** species group

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326 The synonymy has been established as based on both original descriptions and abundant materials, including topotypes of all three species. *P. planicollis* has been described from the environs of Perovsk (now Kyzyl-Orda) , *P. tescorum* from near Minusinsk, and *P. jaxartis* from the vicinity of Khodzhent (Chilkovo) . The genital structure of these taxa has appeared identical, whereas the distinguishing features mentioned by Tschitschérine in the descriptions (mainly head punctuation and pronotal shape) lie within the variation range of a single species (B. Kataev) .

327 Budarin (1976) erred in treating *P. kaszabi* Jedl. as a synonym of *P. cancellatus* Motsch. As revealed by a restudy of the type, it is in fact a junior synonym of *P. mirus* Tschit. (V. Shilenkov) .

328 The nominotypical form has been described from the Caucasus Major between the Mamisoni and Roki passes. We have collected it in Transcaucasia on the Adzharo-Imeretian Mt. Range. (I. Belousov)

34 ***nivicola (Pterostichus)*** MÉNÉTRIÉS 1832 ------G------------------ Gc: occurring both in forest and alpine zones

35 ***sodalicius (Pterostichus)*** HEYDEN 1885 ----------------R-------- Re

= *pseudonivicola (Pterostichus)* KIRSCHENHOFER 1993 **Syn. nov.**[329]

Subgenus ***Plectes*** FISCHER von WALDHEIM 1822

Type species: *Pterostichus drescheri* FISCHER von WALDHEIM 1821

36 (***consors (Pterostichus)*** TSCHITSCHÉRINE 1893) ------------------T------ Tb: Kalbinsky Mt.R.

37 ***drescheri (Pterostichus)*** FISCHER von WALDHEIM 1821 ------------------TU----- Ubc

Subgenus ***Paralianoe*** ISHIDA 1958

Type species: *Pterostichus uenoi* STRANEO 1942

38 ***microps (Pterostichus)*** HEYDEN 1887 ------------------------Y-

= *platymorphus (Pterostichus)* TSCHITSCHÉRINE 1893

Subgenus ***Argutor*** DEJEAN 1828

Type species: *Carabus vernalis* PANZER 1796

= *Lagarus* CHAUDOIR 1838

Type species: *Carabus vernalis* PANZER 1796

= *Pseudargutor* CASEY 1918

Type species: *Pterostichus erythropus* DEJEAN 1828 [= *P.leconteiana* LUTSHNIK 1922]

= *Eolagarus* TSCHITSCHÉRINE 1899

Type species: *Lagarus dulcus* H.BATES 1883

= *Paralagarus* LUTSHNIK 1922

Type species: *Platysma chunghusorum* LUTSHNIK 1922

= *Pseudolagarus* LUTSHNIK 1922

Type species: *Platysma leconteiana* LUTSHNIK 1922

39 ***chamaeleon (Pterostichus)*** MOTSCHULSKY 1865 ---D-F-------NO-----------

= *arquaticollis (Pterostichus)* MOTSCHULSKY 1865[330]

40 (***cursor (Pterostichus)*** DEJEAN 1828) ---D-F--I---MN----S-------

41 (***dulcis (Pterostichus)*** H.BATES 1883) ----------------------V--Y- Vbc

= *metax (Pterostichus)* JEDLIªKA 1938

= *psota (Pterostichus)* JEDLIªKA 1938

42 ***leonisi (Pterostichus)*** APFELBECK 1904 --CD-F--------------------

43 ***sulcitarsis (Pterostichus)*** A.MORAWITZ 1863 ------------------------YZ Zb

= (*chunghusorum (Pterostichus)* LUTSHNIK 1922)

44 (***vernalis (Pterostichus)*** PANZER 1796) ABCDEFG--JK-MNOP--STU-----

= *crenatus (Pterostichus)* DUFTSCHMID 1812

= *rotundicollis (Pterostichus)* STURM 1824 [non DUFTSCHMID 1812]

= *rufomarginatus (Pterostichus)* CURTIS 1827

= *inquinatus (Pterostichus)* sensu STEPHENS 1828 [non STURM 1824]

= *sedulus (Pterostichus)* DEJEAN 1828

= *genuinus (Pterostichus)* LETZNER 1852

= *inaequalis (Pterostichus)* LETZNER 1852 [non MARSHAM 1802]

= *nigricornis (Pterostichus)* LETZNER 1852

= *bistriatus (Pterostichus)* LETZNER 1852

= *obtusus (Pterostichus)* LETZNER 1852 [non STURM 1824]

= *emarginatus (Pterostichus)* LETZNER 1852

= *planatus (Pterostichus)* LETZNER 1852 [non STURM 1824]

= *quadripunctatus (Pterostichus)* LETZNER 1852

= *nigrofemoratus (Pterostichus)* LETZNER 1852

= *rufipes (Pterostichus)* LETZNER 1852 [non DEJEAN 1828]

= *piceus (Pterostichus)* LETZNER 1852

= *brunneus (Pterostichus)* LETZNER 1852

= *rufescens (Pterostichus)* LETZNER 1852

= *picipennis (Pterostichus)* LETZNER 1852

= *ruthenus (Pterostichus)* MOTSCHULSKY 1850

= *biimpressus (Pterostichus)* FUSS 1858

= *distinguendus (Pterostichus)* HOCHHUTH 1871 [non HEER 1838]

= *degorsi (Pterostichus)* CROISSADENAU 1853

= (*martjanovi (Pterostichus)* LUTSHNIK 1922)

45 ***kerzhneri (Pterostichus)*** LAFER 1983 ------------------------Y- Yd: Khasan Distr.

Subgenus ***Pledarus*** MOTSCHULSKY 1865

Type species: *Feronia gibbicollis* MOTSCHULSKY 1844

= *Eurythorax* TSCHITSCHÉRINE 1888

Type species: *Feronia haptoderoides* TSCHITSCHÉRINE 1888

= *Rhagadulus* TSCHITSCHÉRINE 1897

Type species: *Feronia modicella* TSCHITSCHÉRINE 1897

46 (***gibbicollis (Pterostichus)*** MOTSCHULSKY 1844) ------------------TUV--Y-

= *crassicollis (Pterostichus)* A.MORAWITZ 1862

= *punctatostriatus (Pterostichus)* MOTSCHULSKY 1850

= *orientalis (Pterostichus)* MOTSCHULSKY 1850 [non MOTSCHULSKY 1844]

= *orientis (Pterostichus)* CSIKI 1930 [nom. pro *orientalis* MOTSCHULSKY 1850]

= *mongoliensis (Pterostichus)* JEDLIªKA 1967

47 ***goschi (Pterostichus)*** JEDLIªKA 1930 ------------------------Y-

48 (***haptoderoides (Pterostichus)*** TSCHITSCHÉRINE 1888) ----------------------UV--Y-

= (*eurymorphus (Pterostichus)* TSCHITSCHÉRINE 1893)

49 (***laticollis (Pterostichus)*** MOTSCHULSKY 1844) ------------------TUV--Y-

= *aberrans (Pterostichus)* A.MORAWITZ 1862

= *sagax (Pterostichus)* MOTSCHULSKY 1865

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329 A (re) study of abundant materials of this species from virtually throughout its range (western Tian-Shan: Talassky Alatau, Karzhantau, Ugamsky, Pskemsky, Atoinoksky, Chatkalsky, Chimgan, northwestern Fergansky Mt. ranges) , including the holotype m and paratype 2" 5" of *Pterostichus pseudonivicola* Kirschenhofer (kept in Coll. M. Dvo®ák, Prague) , has revealed that *P. pseudonivicola* Kirschenhofer 1983, originally described from Chimgan Mts, is only a junior synonym of *P. sodalicius* Heyden 1885 (locus typicus: Chatkal) (I. Kabak) .

330 A restudy of the types of *P. arcuaticollis* (", Camp. Kirg. Or.; 58; *Argutor arcuaticollis* Motsch. Des. K. or. and *P. chameleon*: ", Semipala.; *Lagarus chameleon* Motsch. Sib. Occ.; Lectotypus " *Lagarus chameleon* Mot. 1865 Shilenkov des. I.1976 in the Motschulsky Collection, in ZMM) has revealed their identity (I. Kabak) .

50 ***microcephalus (Pterostichus)*** MOTSCHULSKY 1860 ----------V--YZ
= *nimbatus (Pterostichus)* A.MORAWITZ 1862
51 (***modicellus (Pterostichus)*** TSCHITSCHÉRINE 1897) ----------V----
52 ***neglectus (Pterostichus)*** A.MORAWITZ 1862 ----------Y-
53 ***tenenbaumianus (Pterostichus)*** JEDLIᵃKA 1930 ----------Y-

Subgenus ***Pedius*** MOTSCHULSKY 1850

Type species: *Carabus inaequalis* MARSHAM 1802

54 (***longicollis (Pterostichus)*** DUFTSCHMID 1812) A--DEF--------O----------
= (*inaequalis (Pterostichus)* MARSHAM 1802) [non PANZER 1796]
55 (***inquinatus (Pterostichus)*** STURM 1824) ---DEFG----------

Subgenus ***Adelosia*** STEPHENS 1835

Type species: *Carabus macer* MARSHAM 1802

= *Agonodemus* CHAUDOIR 1837

Type species: *Pterostichus picimanus* DUFTSCHMID 1812

56 (***macer (Pterostichus)*** MARSHAM 1802) A-CD-FG-I----NOP-R-TU-----
ssp. (***macer (Pterostichus macer, ssp.)*** MARSHAM 1802) A-CD-FGH-----NO----TU----- Uc
= *picimanus (Pterostichus macer, syn.)* DUFTSCHMID 1812
= *monticola (Pterostichus macer, syn.)* NICOLAI 1822
= *siagonicum (Pterostichus macer, syn.)* MÉNÉTRIÉS 1845
= *genuinis (Pterostichus macer, syn.)* LETZNER 1852
= *brunneus (Pterostichus macer, syn.)* LETZNER 1852 [non STURM 1824]
= *rufulus (Pterostichus macer, syn.)* LETZNER 1852
= *sibiricus (Pterostichus macer, syn.)* GEBLER in LEDEBOUR 1860
ssp. ***anachoretus (Pterostichus macer, ssp.)*** MÉNÉTRIÉS 1832 ------G-I----------
ssp. (***funerarius (Pterostichus macer, ssp.)*** TSCHITSCHÉRINE 1891) --------------OP-R--------
= *turfanus (Pterostichus macer, syn.)* JEDLIᵃKA 1969 **Syn. nov.**[331]
57 ***thunbergi (Pterostichus)*** A.MORAWITZ 1862 ----------Z Zb

Subgenus ***Melanius*** BONELLI 1810

Type species: *Carabus nigrita* PAYKULL 1790

= *Pseudomaseus* CHAUDOIR 1838

Type species: *Platysma nigrita* FABRICIUS 1798

58 (***anthracinus (Pterostichus)*** ILLIGER 1798) ABCDEF-----LMNO----------
= *corpulentus (Pterostichus)* GEBLER 1830
= (*nigrita (Pterostichus)* PANZER 1793) [non FABRICIUS 1792]
= (*maurus (Pterostichus)* FABRICIUS 1798)
= *crassipes (Pterostichus)* MÉNÉTRIÉS 1832
= *latus (Pterostichus)* LETZNER 1852
= *striatus (Pterostichus)* LETZNER 1852 [non PAYKULL 1790]
= *punctatus (Pterostichus)* LETZNER 1852 [non L.REDTENBACHER 1843]
= *quadripunctatus (Pterostichus)* LETZNER 1852
= *convexiusculus (Pterostichus)* LETZNER 1852
= *subrotundatus (Pterostichus)* LETZNER 1852
= *subfoveolatus (Pterostichus)* LETZNER 1852
= *brunnipes (Pterostichus)* LETZNER 1852
= *rufiventris (Pterostichus)* LETZNER 1852
= *piceus (Pterostichus)* LETZNER 1852
= *castaneus (Pterostichus)* LETZNER 1852
= *emarginatus (Pterostichus)* LETZNER 1852
var. *depressiusculus (Pterostichus anthracinus, var.)* CHAUDOIR 1844
= *deplanatus (Pterostichus)* CHAUDOIR 1842 [non MÉNÉTRIÉS 1832]
= *pelviger (Pterostichus)* KOLENATI 1845
59 (***gracilis (Pterostichus)*** DEJEAN 1828) ABCD-FG--J---NO--RST------
ssp. (***gracilis (Pterostichus gracilis, ssp.)*** DEJEAN 1828) ABCD-FG--J---NO--R-T------
= *tetricus (Pterostichus gracilis, syn.)* CURTIS 1829
= *rotundicollis (Pterostichus gracilis, syn.)* STEPHENS 1832 [non DUFTSCHMID 1812]
= *genuinus (Pterostichus gracilis, syn.)* LETZNER 1852
= *planatus (Pterostichus gracilis, syn.)* LETZNER 1852
= *quadripunctatus (Pterostichus gracilis, syn.)* LETZNER 1852
= *piceus (Pterostichus gracilis, syn.)* LETZNER 1852
= *fuscus (Pterostichus gracilis, syn.)* LETZNER 1852
= *rufiventris (Pterostichus gracilis, syn.)* LETZNER 1852
= *rufipes (Pterostichus gracilis, syn.)* LETZNER 1852
= *rubiginosus (Pterostichus gracilis, syn.)* LETZNER 1852
= *emarginatus (Pterostichus gracilis, syn.)* LETZNER 1852
= *guentheri (Pterostichus gracilis, syn.)* STURM 1824
= *gottwaldi (Pterostichus gracilis, syn.)* JEDLIᵃKA 1966
ssp. ***michailovi (Pterostichus gracilis, ssp.)*** WRASE 1992 ----------S------- Tajikistan: Romit
60 ***fuscicornis (Pterostichus)*** REICHE 1855 ------GHI-------Q---------
= *confusus (Pterostichus)* CHAUDOIR 1846
61 ***latoricaensis (Pterostichus)*** PULP´N 1965 A-------------------------
62 (***minor (Pterostichus)*** GYLLLENHAL 1827) ABCD-FG----LMN------U----- Uc
= *brunneus (Pterostichus)* STURM 1824
= *anthracinus (Pterostichus)* sensu GYLLLENHAL 1810
= *laevigatus (Pterostichus)* STEPHENS 1828
= *badius (Pterostichus)* STURM 1843
= *genuinus (Pterostichus)* LETZNER 1852
= *planatus (Pterostichus)* LETZNER 1852
= *femoratus (Pterostichus)* LETZNER 1852 [non DEJEAN 1828]
= *fuscus (Pterostichus)* LETZNER 1852
= *rubiginosus (Pterostichus)* LETZNER 1852
= *rufus (Pterostichus)* LETZNER 1852
= *emarginatus (Pterostichus)* LETZNER 1852
63 (***nigrita (Pterostichus)*** PAYKULL 1790) ABCDEF----K-MNO--R-TUV--Y-

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331 *Pterostichus turfanus* Jedl. 1969 has been described within the Subgenus *Pseudoderus*. A restudy of the paratypes (kept in MNP) , labelled Ak-su, Merzbacher leg., " Utsch-Turfan Merzbacher, *Pterostichus turfanus* sp.n. det. Ing. Jedliᵒka, Paratypus, Mus. Nat. Pragae, Inv. 24614 and 24613, has revealed, this taxon is actually a synonym of *Pterostichus (Adelosia) macer funerarius* Tschit. This synonymy was first established by O. L. Kryzhanovsky, who had restudied Jedliᵒka's types, but remained unpublished until now (I. Kabak) .

= *longibasis (Pterostichus)* JEDLIᵃKA 1964
= *costulatus (Pterostichus)* MOTSCHULSKY 1850

64 ***rhaeticus (Pterostichus)*** HEER 1838 -BC-------K--------------Z
= *nigrita (Pterostichus)* auct. part.

65 ***rotundangulus (Pterostichus)*** A.MORAWITZ 1862 ------------------------Y-

66 (***piceolus (Pterostichus)*** CHAUDOIR 1850) ---D----------------------
= *latoricaensis (Pterostichus)* PULP´N 1965

Subgenus ***Phonias*** DES GOZIS 1886

Type species: *Platysma interstincta* STURM 1824

= *Biphonias* JEANNE 1988

Type species: *Argutor longinquus* H.BATES 1873

= *Argutor* auct.

67 ***apfelbecki (Pterostichus)*** CSIKI 1904 [nom. pro *convexiusculus* APFELBECK 1904] ------GH------------------
= *convexiusculus (Pterostichus)* APFELBECK 1904
= *slavorum (Pterostichus)* LUTSHNIK 1915

68 (***diligens (Pterostichus)*** STURM 1824) ABCDEFGH--KLMN-----TUV----
= *strenuus (Pterostichus)* auct. [non PANZER 1797]
= *heyeri (Pterostichus)* STURM 1824
= *pullus (Pterostichus)* GYLLLENHAL 1827
= *politus (Pterostichus)* HEER 1841
= *maeoticus (Pterostichus)* MOTSCHULSKY 1850
= *genuinus (Pterostichus)* LETZNER 1852
= *nigripes (Pterostichus)* LETZNER 1852
= *rubellicornis (Pterostichus)* LETZNER 1852
= *glaber (Pterostichus)* LETZNER 1852
= *bistriatus (Pterostichus)* LETZNER 1852
= *emarginatus (Pterostichus)* LETZNER 1852
= *rufiventris (Pterostichus)* LETZNER 1852
= *piceus (Pterostichus)* LETZNER 1852
= *subfuscus (Pterostichus)* LETZNER 1852
= *rufescens (Pterostichus)* LETZNER 1852
= *minutus (Pterostichus)* MOTSCHULSKY 1865
= *boreella (Pterostichus)* J.SAHLBERG 1870
= *assimilis (Pterostichus)* HOCHHUTH 1871
= *kutensis (Pterostichus)* POPPIUS 1906 **Syn. nov.**[332]
= *orcinulus (Pterostichus)* POPPIUS 1906 **Syn. nov.**[333]

69 (***eobius (Pterostichus)*** TSCHITSCHÉRINE 1899) ------------------------Y-

70 ***gyrosus (Pterostichus)*** MOTSCHULSKY 1865 ---D----------O----------
= *negligens (Pterostichus)* MOTSCHULSKY 1845 [non STURM 1824]

71 (***jankowskyi (Pterostichus)*** TSCHITSCHÉRINE 1897) ------------------------Y-
= *helferi (Pterostichus)* JEDLIᵃKA 1958

72 (***longinquus (Pterostichus)*** H.BATES 1873) ------------------------YZ

73 (***longiusculus (Pterostichus)*** J.SAHLBERG 1880) -------------------U----- Ua

74 ***longipennis (Pterostichus)*** STRANEO 1942 E.Siberia

75 (***morawitzianus (Pterostichus)*** LUTSHNIK 1922) ------------------T-VW-Y-
= *hypselus (Pterostichus)* JEDLIᵃKA 1958
= *mondanus (Pterostichus)* JEDLIᵃKA 1958
= *kultukus (Pterostichus)* JEDLIᵃKA 1959

76 ***pantomus (Pterostichus)*** JEDLIᵃKA 1958 ------------------------Y-

77 ***ripensis (Pterostichus)*** MOTSCHULSKY 1865 ------------------------Y-

78 ***sotkaensis (Pterostichus)*** JEDLIᵃKA 1958 ------------------------Y-

79 (***strenuus (Pterostichus)*** PANZER 1797) ABCD------KLMNOP-R-TUV--Y-
= (*erythropus (Pterostichus)* MARSHAM 1802)
= *wasastiernae (Pterostichus)* J.SAHLBERG 1875
= (*gagates (Pterostichus)* DUFTSCHMID 1812)
= (*pygmaeus (Pterostichus)* STURM 1818)
= *solers (Pterostichus)* STURM 1824
= *nigriceps (Pterostichus)* STURM 1824
= *interstinctus (Pterostichus)* sensu STEPHENS 1828 [non STURM 1824]
= *genuinus (Pterostichus)* LETZNER 1852
= *suturalis (Pterostichus)* LETZNER 1852
= *varians (Pterostichus)* LETZNER 1852
= *rubidus (Pterostichus)* LETZNER 1852
= *emarginatus (Pterostichus)* LETZNER 1852
= *insignis (Pterostichus)* LETZNER 1852 [non BRULLÉ 1834]
= *silesiacus (Pterostichus)* LETZNER 1852
= *maeoticus (Pterostichus)* MOTSCHULSKY 1865 [non MOTSCHULSKY 1850]
var. *difficilis (Pterostichus strenuus, var.)* CHAUDOIR 1846
= *dilatatus (Pterostichus)* MOTSCHULSKY 1850 [non VILLA 1833]
var. ***lectulus (Pterostichus)*** REITTER 1888

80 ***stricticollis (Pterostichus)*** SOLSKY 1874 ---------------P-RS------- RebRS

81 ***dostali (Pterostichus)*** KIRSCHENHOFER 1980 ------------------S------- Sa

82 ***subitus (Pterostichus)*** CSIKI 1930 [nom. pro *velox* TSCHITSCHÉRINE 1901] ------------------S-------
= (*velox (Pterostichus)* TSCHITSCHÉRINE 1901) [non DEJEAN 1828]

83 ***taksonyis (Pterostichus)*** CSIKI 1930 [nom. pro *tarsalis* APFELBECK 1904] ---D-F--------OP----------
= *tarsalis (Pterostichus)* APFELBECK 1904 [non LECONTE 1873]

84 (***ussuriensis (Pterostichus)*** TSCHITSCHÉRINE 1897) ------------------------Y-

85 (***ovoideus (Pterostichus)*** STURM 1824) ABCD--G-------------------
= (*interstinctus (Pterostichus)* STURM 1824)
= *eruditus (Pterostichus)* DEJEAN 1828
= *genuinus (Pterostichus)* LETZNER 1852
= *unistriatus (Pterostichus)* LETZNER 1852
= *piceus (Pterostichus)* LETZNER 1852
= *brunneus (Pterostichus)* LETZNER 1852
= *femoratus (Pterostichus)* LETZNER 1852 [non DEJEAN 1828]

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332 A restudy of the type (kept in the Helsinki Museum) has revealed, we face a small specimen of *P. diligens* Sturm (V. Shilenkov) .

333 A restudy of the holotype (kept in TMB) has revealed its complete identity with *P. diligens* Sturm (V. Shilenkov) .

Subgenus ***Cryobius*** CHAUDOIR 1838

Type species: *Poecilus ventricosus* ESCHSCHOLTZ 1823

= *Pseudocryobius* MOTSCHULSKY 1850

Type species: *Platysma riparia* ESCHSCHOLTZ 1823

= *Orites* SCHAUM 1860

Type species: *Pterostichus negligens* STURM 1824

The ***'ventricosus'*** species group

86 ***ventricosus (Pterostichus)*** ESCHSCHOLTZ 1823 `-B---------L--------UVWX-- BbefUabVebWabX`
= *hyperboreus (Pterostichus)* MOTSCHULSKY 1850
= (*quadrangularis (Pterostichus)* J.SAHLBERG 1887)
= (*ventricosus brevicollis (Pterostichus)* TSCHITSCHÉRINE 1891)
= (*theeli (Pterostichus)* J.SAHLBERG 1887) [part.]
= *vegae (Pterostichus)* POPPIUS 1906
= (*vindicatus (Pterostichus)* MANNERHEIM 1853)
= (*rufiscapus (Pterostichus)* MANNERHEIM 1853)
= (*subcaudatus (Pterostichus)* MANNERHEIM 1853)
= *borealis (Pterostichus)* MÉNÉTRIÉS 1851 [non ZETTERSTEDT 1828]
= (*frigida (Pterostichus)* J.SAHLBERG 1880)
= (*gracilior (Pterostichus)* TSCHITSCHÉRINE 1896)
= *boreus (Pterostichus)* CSIKI 1903
= (*stuxbergi (Pterostichus)* J.SAHLBERG 1880)
= *czekanowskii (Pterostichus)* POPPIUS 1906
= (*otariidinus (Pterostichus)* CASEY 1918)
= *sedakowi (Pterostichus)* POPPIUS 1906
= (*palludula (Pterostichus)* R.F.SAHLBERG 1844)
= *tungusicus (Pterostichus)* POPPIUS 1906

87 ***amurensis (Pterostichus)*** POPPIUS 1906 `----------V--Y- Ya`

88 (***middendorffi (Pterostichus)*** J.SAHLBERG 1875) `---D------K---------U-WX--`
= *deplanatus (Pterostichus)* MOTSCHULSKY 1850 [non MÉNÉTRIÉS 1832, nec CHAUDOIR 1842]
= *theeli (Pterostichus)* J.SAHLBERG 1887 [non MÄKLIN 1877]

89 ***jakobsoni (Pterostichus)*** POPPIUS 1906 `----------U----- Ua`

90 ***herzi (Pterostichus)*** POPPIUS 1906 `----------W--- Wb`

The ***'brevicornis'*** species group

91 (***brevicornis (Pterostichus)*** KIRBY 1837) `-B--------K---------UVWXY-`
ssp. (***brevicornis (Pterostichus brevicornis, ssp.)*** KIRBY 1837) `-B--------K---------UVW-Y-`
= (*subtile (Pterostichus)* R.F.SAHLBERG 1844)
= (*fastidiosus (Pterostichus)* MANNERHEIM 1853)
= *mandibularis (Pterostichus)* LECONTE 1860
= *quenquepunctatus (Pterostichus)* MOTSCHULSKY 1860
= *ochoticus (Pterostichus)* LECONTE 1873 [non R.F.SAHLBERG 1844]
= (*infimus (Pterostichus)* MÄKLIN 1887) [non CHAUDOIR 1868]
= (*fragilis (Pterostichus)* MÄKLIN 1877)
= (*arcticus (Pterostichus)* J.SAHLBERG 1880)
= (*epipleuralis (Pterostichus)* J.SAHLBERG 1887)
= (*aquilonium (Pterostichus)* TSCHITSCHÉRINE 1904)
= *fastidiosus minusculus (Pterostichus)* POPPIUS 1906
= *carbo (Pterostichus)* POPPIUS 1906

ssp. ***delicatus (Pterostichus brevicornis, ssp.)*** CASEY 1918 `----------X--`

92 (***empetricola (Pterostichus)*** DEJEAN 1828) `----------X-- Xde`
= (*rotundicollis (Pterostichus)* MANNERHEIM 1853) [non DUFTSCHMID 1812]
= (*ruficollis (Pterostichus)* MANNERHEIM 1853)
= *pasificus (Pterostichus)* POPPIUS 1906
= *globicollis (Pterostichus)* CSIKI 1930 [nom. pro *rotundicollis* MANNERHEIM 1930]
= *incognitus (Pterostichus)* POPPIUS 1906

93 (***nivalis (Pterostichus)*** R.F.SAHLBERG 1844) `----------W--- Wbe`
= (*thulensis (Pterostichus)* J.SAHLBERG 1887)

The ***'pinguedineus'*** species group

94 ***pinguedineus (Pterostichus)*** ESCHSCHOLTZ 1823 `----------K---------UVWX-- UabVe`
= *frigida (Pterostichus)* DEJEAN 1824
= (*mandibularis (Pterostichus)* KIRBY 1833)
= *subsinuosus (Pterostichus)* CHAUDOIR 1868
= *diplogma (Pterostichus)* CHAUDOIR 1868
= *similis (Pterostichus)* LECONTE 1873
= (*stuxbergi (Pterostichus)* MÄKLIN 1877)
= (*despecta (Pterostichus)* J.SAHLBERG 1887)
= (*sulcipennis (Pterostichus)* J.SAHLBERG 1887)
= (*laeviusculus (Pterostichus)* J.SAHLBERG 1887)
= (*splendida (Pterostichus)* J.SAHLBERG 1887)
= *subnitidus (Pterostichus)* POPPIUS 1906
= *holmergi (Pterostichus)* POPPIUS 1906
= *fortestriatus (Pterostichus)* POPPIUS 1906
= *repandus (Pterostichus)* POPPIUS 1906
= *alaskensis (Pterostichus)* POPPIUS 1906
= *montanellus (Pterostichus)* POPPIUS 1906
= (*berengi (Pterostichus)* CASEY 1918)
= (*washingtoni (Pterostichus)* CASEY 1920)
= (*anadyricus (Pterostichus)* CSIKI 1930)

95 ***theeli (Pterostichus)*** MÄKLIN 1877 `----------L--------U-WX-- Ua`

The ***'auriga'*** species group

96 ***tichomirovi (Pterostichus)*** ERJIOMIN 1990 `----------X-- Xe`

The ***'planus'*** species group

97 ***longipes (Pterostichus)*** POPPIUS 1906 `----------U-W--- UadWb`

98 (***homalonotum (Pterostichus)*** TSCHITSCHÉRINE 1894) `----------T------`
= *csikii (Pterostichus)* JEDLIᵃKA 1968 **Syn. nov.**[334]

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334 Described within the Subgenus *Derus* (with reservations) from Khangai, Mongolia, this species is actually a synonym of *P. homalonotum* Tschit., as revealed by a restudy of the holotype (“, in TMB) (V. Shilenkov) .

99 ***negligens (Pterostichus)*** STURM 1824 ----------KL-------T------ Ka

100 ***kaninensis (Pterostichus)*** POPPIUS 1906[335] -B--------KL-------------- BefKa1

101 (***planus (Pterostichus)*** J.SAHLBERG 1887) ----------X-- Xb: extreme SW

= *planus (Pterostichus)* POPPIUS 1906

= *blaisdelli (Pterostichus)* VAN DYKE 1943

The ***'similis'*** species group

102 (***similis (Pterostichus)*** MANNERHEIM 1852) ----------X-- Xbcd ?Xa

= (*quadricollis (Pterostichus)* MANNERHEIM 1853)

103 ***parasimilis (Pterostichus)*** BALL 1962 ----------X-- Xb

incertae sedis

104 ***tareumiut (Pterostichus)*** BALL 1962 -B--------KL--------U-WX-- BfKa1UaXabc

105 (***ochoticus (Pterostichus)*** R.F.SAHLBERG 1844) -B--------KL--------UVWXY- BfKa1UaXabcYa

106 ***blandulus (Pterostichus)*** MILLER 1858 A---------- Ab

107 (***fulvescens (Pterostichus)*** MOTSCHULSKY 1846) ----------TU-----

= (*dubiosus (Pterostichus)* TSCHITSCHÉRINE 1894)

= (*sahlbergi (Pterostichus)* TSCHITSCHÉRINE 1894) **Syn. nov.**[336]

= *macrophtalmus (Pterostichus)* POPPIUS 1906 **Syn. nov.**[203]

= *ulani (Pterostichus)* JEDLIªKA 1968 **Syn. nov.**[337]

108 (***lucidus (Pterostichus)*** MOTSCHULSKY 1844) ----------UV---- UcbVb

= (*lederi (Pterostichus)* TSCHITSCHÉRINE 1894) **Syn. nov.**[338]

= *burjaticus (Pterostichus)* POPPIUS 1906

109 ***nigripalpis (Pterostichus)*** POPPIUS 1906 -B--------KL--------UVWX-- Ka1UabXab

110 ***maklini (Pterostichus)*** POPPIUS 1906 ----------U-WX-- UaWabXab

111 ***macrothorax (Pterostichus)*** POPPIUS 1906 ----------L--------U-W--- Ua

112 ***argutoriformes (Pterostichus)*** POPPIUS 1906 ----------L--------U----- Ua

113 ***altaiensis (Pterostichus)*** POPPIUS 1906 ----------T------

114 (***scitus (Pterostichus)*** MÄKLIN 1877) ----------M-------U-WX-- MUbd ?Wb

115 ***parviceps (Pterostichus)*** POPPIUS 1906 ----------U-WX-- UaWabXab

? (*expectum (Pterostichus)* J.SAHLBERG 1887)

116 (***breviusculus (Pterostichus)*** R.F.SAHLBERG 1844) ----------WX-- Xd

117 (***subgibbus (Pterostichus)*** MANNERHEIM 1853) ----------X-- Xe

= *confusus (Pterostichus)* MOTSCHULSKY 1860

118 ***poppiusianus (Pterostichus)*** JACOBSON 1907 ----------X-- Xe

= *insulicola (Pterostichus)* POPPIUS 1906 [non TSCHITSCHÉRINE 1894]

? *lamaticus (Pterostichus)* POPPIUS 1906 ----------X--

? (*subtilis (Pterostichus)* R.F.SAHLBERG 1844)

119 ***kurasawai (Pterostichus)*** TANAKA 1958 ----------Z

120 ***shilenkovi (Pterostichus)*** ERJIOMIN et KABAK 1991 ----------T------ Tbc: Lyamin Belok Mt., Azutau Mt.R.

Subgenus ***Haptoderus*** CHAUDOIR 1838

Type species: *Pterostichus spadiceus* DEJEAN 1828

= *Pseudorthomus* CHAUDOIR 1838

Type species: *Pterostichus amaroides* DEJEAN 1828

121 (***unctulatus (Pterostichus)*** DUFTSCHMID 1812) A----------

= *alpestris (Pterostichus)* HEER 1838

122 (***pumilio (Pterostichus)*** DEJEAN 1828) A----------

The ***'colchicus'*** species group[339]

123 ***colchicus (Pterostichus)*** CHAUDOIR 1850 -------H---------- Hb: Adzharia

124 ***platyderus (Pterostichus)*** CHAUDOIR 1850 ------G---------- Gb2: Imeretia

125 ***stomoides (Pterostichus)*** CHAUDOIR 1868 ------G---------- Gc1: Tushetia

The ***'quadraticollis'*** species group

126 ***firmus (Pterostichus)*** LUTSHNIK 1933 ------G---------- Gb2: env. Kutaisi

127 ***inopinatus (Pterostichus)*** LUTSHNIK 1933 ------G---------- Ga1: Aibga Mt.

128 ***iripennis (Pterostichus)*** CHAUDOIR 1868 ------GH---------- Gb4Hb: in the Caucasus Major, only on karstic lands

129 ***quadraticollis (Pterostichus)*** CHAUDOIR 1846 ------GH----------

= *lagaroides (Pterostichus)* REITTER 1887[340]

130 ***pithyusicus (Pterostichus)*** LUTSHNIK 1933 ------G---------- Ga3: Pitsunda

Subgenus ***Oreoplatysma*** JACOBSON 1906

Type species: *Carabus picimanus* DUFTSCHMID 1812

= *Agonodemus* REITTER 1896 [non CHAUDOIR 1838]

Type species: *Carabus picimanus* DUFTSCHMID 1812

The ***'percontator'*** species group[341]

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335 This species, described from Kanin Peninsula, is usually recorded in the Ural region together with *P. negligens* Sturm, the latter taxon described from Middle Europe. A study of abundant materials has revealed that the characters usually serving to distinguish these two taxa, in particular the shape of the pronotum and the presence of a presutural pore on the elytra, vary greatly between individuals from both Middle Europe and the Urals, all lying in fact within the variation range of a single species. Therefore it seems highly probable that *P. kaninensis* Popp. is only a synonym of *P. negligens* Sturm. Yet an ultimate solution of this problem will be possible only after a more thorough revision of the Palearctic *Cryobius* Chaud. (B. Kataev, D. Lomakin) .

336 The synonymies given here are based on a (re) study of abundant materials from the mountains of South Siberia and North Mongolia, as well as of the types of Motschulsky, Tschitschérine, and Poppius, all allowing to outline the variation range of *P. fulvescens* Motsch. and synonymize both *P. sahlbergi* Tschit. and *P. macrophthalmus* Popp. under it (V. Shilenkov) .

337 Described within the Subgenus *Argutor* from 1" deriving from the vicinity of Ulan-Bator. A restudy of the holotype (kept in TMB) has revealed its identity with *P. fulvescens* Motsch. (V. Shilenkov) .

338 Revision of the types of *Cryobius burjaticus* Popp. and *Feronia lederi* Tschit. (kept in TMB) has revealed their identity with *Pterostichus lucidus* Motsch., a species widespread in the mountains of South Siberia (V. Shilenkov) .

339 Among the Caucasian *Haptoderus*, this is a highly disjunct group, with its status remaining not fully clear as yet. Since some of the older taxa remain known only from the original descriptions, with pertinent material being extremely scant, the specific independence of a number of taxa requires confirmation (I. Belousov) .

340 This is the most common *Haptoderus* species in the Caucasian Isthmus. Specimens from Transcaucasia are characterized by a more strongly developed endophallus, hence the species perhaps deserves splitting into two subspecies (I. Belousov) .

131 ***percontator (Pterostichus)*** REITTER 1887[342] ------G------------------ Ga1: Aibga & Achishkho Mt.r., Fisht & Chugush Mts

The ***'koenigi'*** species group [343]

132 ***strasseri (Pterostichus)*** REITTER 1898[344] ------G------------------ Ga1
133 ***reitteri (Pterostichus)*** STARCK 1889 ------G------------------ Ga1: lower mountain forest
= *validiceps (Pterostichus)* REITTER 1896
? *percrenator (Pterostichus reitteri, syn.)* REITTER 1896
134 ***paralleloides (Pterostichus)*** KIRSCHENHOFER 1987[345] ------G------------------ Ga1: valley of Bzogu Riv.
135 ***faunus (Pterostichus)*** KURNAKOV 1962[346] ------G------------------ Ga3: Chedym & Abkhazsky Mt.r.
136 ***satyrus (Pterostichus)*** KURNAKOV 1962 ------G------------------ Ga3: Bzybian karst plateau
137 ***kvirensis (Pterostichus)*** BELOUSOV 1991 ------G------------------ Gb4: Khvira Mt.
138 ***krasnopolensis (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Ga1: Krasnaya Polyana
139 ***cecchiniae (Pterostichus)*** JACOBSON 1906 ------G------------------ Ga13
ssp. ***cecchiniae (Pterostichus cecchiniae, ssp.)*** JACOBSON 1906 ------G------------------ Ga1
= *tantillus (Pterostichus cecchiniae, syn.)* REITTER 1896
ssp. ***avadcharicus (Pterostichus cecchiniae, ssp.)*** KIRSCHENHOFER 1987 ------G------------------ Ga3: Avadkhara
140 ***kubanicus (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Ga1
141 ***koenigi (Pterostichus)*** REITTER 1887 ------G------------------ Ga1
ssp. ***koenigi (Pterostichus koenigi, ssp.)*** REITTER 1887 ------G------------------ Ga1
ssp. ***tscherkessicus (Pterostichus koenigi, ssp.)*** REITTER 1896 **Stat. nov.**[347] ------G------------------ Ga3: Gagrian Mt.R., Mamdzyshkha Mt
= *abchasicus (Pterostichus koenigi, syn.)* REITTER 1896
142 ***rousianus (Pterostichus)*** KIRSCHENHOFER 1987[348] ------G------------------ Gb12: Skalistyi Mt.R., timber-line & alpine zone
143 ***schodaicus (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Gb2: Racha, Lechkhumi
= *kurnakovi (Pterostichus)* KRYZHANOVSKIJ 1988 **Syn. nov.**[349]
144 ***capitolinus (Pterostichus)*** KURNAKOV 1962 ------G------------------ Ga1: env. Psebai
145 ***belousovi (Pterostichus)*** KRYZHANOVSKIJ 1989 ------G------------------ Gb3: S Lechkhumi, a most cryptophilic species

The ***'pulchellus'*** species group

146 ***belizini (Pterostichus)*** LUTSHNIK 1937 ------G------------------ Ga
147 ***zolotarewi (Pterostichus)*** REITTER 1911 ------G------------------ E part of Ga3, strictly subalpine
148 (***pulchellus (Pterostichus)*** FALDERMANN 1836) -------H------------------ Hb
149 ***rufipalpis (Pterostichus)*** CHAUDOIR 1846 -------H------------------ Hb
= *rubripalpis (Pterostichus)* CSIKI 1930
150 ***ghilarovi (Pterostichus)*** KRYZHANOVSKIJ 1988 ------G------------------ Gb2

The ***'satunini'*** species group

151 ***satunini (Pterostichus)*** TSCHITSCHÉRINE 1903 -------H------------------ Hb
152 ***borcka (Pterostichus)*** JEDLIªKA 1963 -------H------------------ Hb: Adzharia, Turkey: E Anatolia

The ***'abishirensis'*** species group [350]

153 ***abasinus (Pterostichus)*** BELOUSOV 1991 ------G------------------ Ga2: Dukka Mt.R.
154 ***abishirensis (Pterostichus)*** BELOUSOV 1991 ------G------------------ Ga2: Abishira-Akhuba Mt.R.

The ***'cordifer'*** species group [351]

155 ***cordifer (Pterostichus)*** REITTER 1896 ------G------------------ Gb12: N macroslope of the Caucasus Major
156 ***depressidorsis (Pterostichus)*** REITTER 1896 ------G------------------ Gb3
157 ***jakobsonianum (Pterostichus)*** LUTSHNIK 1928 ------G------------------ Gb2
158 ***pasanauricus (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Gb2
159 ***osseticus (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Gb2
160 ***sojaki (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Gb2
161 ***planaticollis (Pterostichus)*** KIRSCHENHOFER 1987 ------G------------------ Gc1: Armkhi valley
162 (***tamarae (Pterostichus)*** WRASE et KIRSCHENHOFER 1991) ------G------------------ Gb2

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341 Within the Subgenus *Oreoplatysma*, by a number of characters (two pairs of basal impressions at the base of the pronotum as well as a long, strongly curved right paramere) it is close to the *'koenigi'* group. Yet it differs from other consubgeners by the structure of the claw tarsomere (see the next footnote) (I. Belousov) .

342 This species has been usually allocated in the Subgenus *Haptoderus* as based on a pubescent onychium (claw tarsomere) . Yet the genital structure, in particular the strongly elongate right paramere, coupled with some habitual characters, e.g. the structure of the pronotum, prove that the species actually belongs to one of the lineages of the Subgenus *Oreoplatysma*. As regards the pubescent onychium, this generally important character appears to vary in some Caucasian *Pterostichus* even infraspecifically, e.g. in *P. lacunosus*. (I. Belousov) .

343 Four groups sensu Kirschenhofer (1987) have been incorporated into this group: *'cecchiniae'*, *'reitteri'*, *'tscherkessicus'*, and *'validiceps'*. The same pronotal structure, the pubescent 3rd antennomere and the characteristic conformation of the aedeagus, with its elongate and strongly curved right paramere and the more or less rectilinearly protruding penial lamella, allow to unite them all into a single natural grouping. The following arguments can be put forth to prove the groups in the sense of Kirschenhofer as being artificial. (1) Being a closely related vicariant (and perhaps even a subspecies) of *P. koenigi*, *P. tscherkessicus* has been attributed to a species group of its own as opposed to the *'validiceps'* group harboring *P. koenigi*. (2) *P. validiceps* and its synonym *P. reitteri* (cf. Kryzhanovskij, 1988) have been placed by Kirschenhofer into different species groups. (3) *P. paralleloides* has been described as close to *P. reitteri* in the *'validiceps'* group. Let us also note a somewhat variably punctured head in *P. cecchiniae* and some other, yet undescribed allies, this making it difficult to distinguish a *'cecchiniae'* group. Besides, *P. kvirensis*, a form most closely related to *P. faunus*, is characterized by the very strongly punctured head. On the other hand, some taxa have been incorporated by Kirschenhofer into his *'validiceps'* group which are very distant from *P. validiceps*, e.g. *P. daghestanus* and *P. cordifer* with quite a different structure of the pronotum, aedeagus, and right paramere (I. Belousov) .

344 Until recently, this form has been known solely from the original description (Kirschenhofer, 1987) . A small series has just been collected by I.A. Solodovnikov at the mid-montane elevations SE of Fisht Mt. which corresponds well to Reitter's description (I. Belousov) .

345 Extremely close to the preceding form, perhaps being its synonym (I. Belousov) .

346 In the literature (Kirschenhofer, 1987) , this species has been erroneously recorded at the S slope of the Bzybsky Mt. Range, where only the vicariant *P. satyrus* Kurn. actually occurs (I. Belousov) .

347 Specimens best fitting the original description occur only on the Gagrsky Mt. Range, especially at its S periphery (Mt. Mamdzyshkha) . They are characterized by a bigger body size and a darker leg coloration, representing in fact solely a geographical race of *P. koenigi* (I. Belousov) .

348 Originally described from a few specimens from Ober Terek, this species, according to our data, populates Kabardino-Balkaria and North Ossetia. In general, it occurs at elevations lower than the sympatric taxa from the *'cordifer'* group (I. Belousov) .

349 In South Ossetia, Lechkhumi and Racha Mts, only one species of this group is known to occur. It has a continuous distribution and is uniform morphologically throughout the range. Kirschenhofer's description has priority (I. Belousov) .

350 A strongly delimited species group peculiar in displaying a variably pubescent 3rd antennomere, a haptoderoid habitus and a missing prescutellar pore (I. Belousov) .

351 Taxonomically, this is the most difficult species complex peculiar due to its high-degree variations in the most important infrasubgeneric characters, e.g. head punctuation, number of discal pores, pubescence of 3rd antennomere. This group requires a revision (I. Belousov) .

The *'daghestanus'* species group [352]

163 ***daghestanus (Pterostichus)*** REITTER 1896 ------G------------------- Gc1, Gc2 excl. the easternmost part
164 ***kirschenblatti (Pterostichus)*** KRYZHANOVSKIJ 1988 ------G------------------- Gc1
165 ***chefsuricus (Pterostichus)*** REITTER 1896 ------G------------------- Gc1

Subgenus *Asioplatysma* KRYZHANOVSKIJ 1968

Type species: *Pterostichus rufopiceus* HEYDEN 1890

= *Pseudoderus* auct. part.

166 (***capito (Pterostichus)*** TSCHITSCHÉRINE 1900) ------------------S------- Scd: Hissarsky, Darvazsky, Khozratishoh Mt.r.
167 ***darvazicus (Pterostichus)*** KRYZHANOVSKIJ 1968 ------------------S------- Sd: Darvazsky Mt.R.
168 ***karateginicus (Pterostichus)*** MICHAILOV 1972 ------------------S------- Sc: Karateghinsky Mt.R.
169 ***medvedevi (Pterostichus)*** KRYZHANOVSKIJ et MICHAILOV 1972 ------------------S------- Se
170 ***rufopiceus (Pterostichus)*** HEYDEN 1890 ------------------S------- Sc: Hissarsky Mt.R.
171 ***maracandicus (Pterostichus)*** LUTSHNIK 1921 ------------------S-------
= *ellipticus (Pterostichus)* REITTER 1894 [non HEER 1841]

Subgenus *Haplomaseus* REITTER 1896[353]

Type species: *Pterostichus armenus* FALDERMANN 1836

172 (***arator (Pterostichus)*** FALDERMANN 1836) -------H------------------ Hb: Adzharia, mainly forest and subalpine zones
173 ***meskheticus (Pterostichus)*** BELOUSOV 1991 -------H------------------ Hb: Adzharia, mostly alpine meadows
174 (***armenus (Pterostichus)*** FALDERMANN 1836) ------GH------------------ Gb2, Hb: mainly NE part, Hc
= *zorkae (Pterostichus)* VYSOKY 1983 **Syn. nov.**[354]
175 ***olegi (Pterostichus)*** BELOUSOV 1991 ------G------------------- Gb4
ssp. ***olegi (Pterostichus olegi, ssp.)*** BELOUSOV 1991 ------G------------------- Gb4: lower valley of Tekhuri Riv.
ssp. ***askhicus (Pterostichus olegi, ssp.)*** BELOUSOV 1991 ------G------------------- Gb4: Askhi plateau
176 (***andreae (Pterostichus)*** TSCHITSCHÉRINE 1896) ------G------------------- Gb4 and karst mountains of the easternmost part of Ga3
= *megrelicus (Pterostichus)* KRYZHANOVSKIJ 1989
177 ***voronovi (Pterostichus)*** LUTSHNIK 1916[355] --------I-----------------

Subgenus *Eurymelanius* REITTER 1896

Type species: *Pterostichus caucasicus* MÉNÉTRIÉS 1832

178 (***caucasicola (Pterostichus)*** TSCHITSCHÉRINE 1893) [356] ------G------------------- Gb4 and karst mountains of the easternmost part of Ga3
= *dzhambazishvili (Pterostichus)* KRYZHANOVSKIJ 1968 **Syn. nov.**
= *dzhambazishwilii (Pterostichus)* auct.
= *laskendariensis (Pterostichus)* KIRSCHENHOFER 1982 **Syn. nov.**
179 ***abagoensis (Pterostichus)*** REITTER 1896 ------G------------------- Ga1
180 ***phaeus (Pterostichus)*** LUTSHNIK 1916 ------G------------------- Ga2
181 ***jugicola (Pterostichus)*** LUTSHNIK 1916 ------G------------------- Ga2: basin of Teberda Riv.
182 ***caucasicus (Pterostichus)*** MÉNÉTRIÉS 1832 ------G------------------- Ga12b12c1
= *kubanicus (Pterostichus)* REITTER 1896
183 ***porcellus (Pterostichus)*** KURNAKOV 1962 ------G------------------- Gb2, S macroslope of the Caucasus Major
184 ***cristicaudis (Pterostichus)*** KURNAKOV 1962 ------G------------------- Ga3: eastern part: Khida Pass
185 ***denticaudis (Pterostichus)*** KURNAKOV 1962 ------G------------------- Ga2: sources of B.Laba Riv.:from Tsakhvoa to Dukka
186 (***chydaeus (Pterostichus)*** TSCHITSCHÉRINE 1896) [357] ------G------------------- Ga2b1c1
ssp. (***chydaeus (Pterostichus chydaeus, ssp.)*** TSCHITSCHÉRINE 1896) ------G------------------- Ga2b1
ssp. (***tschetschenicus (Pterostichus chydaeus, ssp.)*** TSCHITSCHÉRINE 1896) ------G------------------- Gc1
ssp. ***krestovyanus (Pterostichus chydaeus, ssp.)*** VYSOKY 1983 ------G------------------- boundary between Gb2 and Gc1: Krestovyi Pass
187 ***chasautianus (Pterostichus)*** VYSOKY 1983[358] ------G------------------- Gb1: NE slope of Elbrus massif, Khasaut
188 ***rousi (Pterostichus)*** KIRSCHENHOFER 1982[359] ------G------------------- Ga3: Bzybian karst plateau: Chipchira
189 (***goriensis (Pterostichus)*** TSCHITSCHÉRINE 1896) [360] ------GH------------------
ssp. (***goriensis (Pterostichus goriensis, ssp.)*** TSCHITSCHÉRINE 1896) -------H------------------ Hbc
ssp. (***telavense (Pterostichus goriensis, ssp.)*** TSCHITSCHÉRINE 1896) ------G------------------- Gc1, the westernmost part of Gc2
ssp. ***novotnyorum (Pterostichus goriensis, ssp.)*** VYSOKY 1983 -------H------------------ Hb
190 (***inapertus (Pterostichus)*** FALDERMANN 1836) ------G------------------- SE of Ga1; S of Ga2; Ga3b234Hb: excl. karstic lands

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352 This group is indigenous in the E Caucasus, being characterized by a short lamella of the aedeagus and a pubescent 3rd antennomere (I. Belousov) .

353 The present paper accepts the Subgenus in a restricted sense, that is, in the scope introduced by Reitter (1896) , while the Subgenus *Eurymelanius* is treated separately. In spite of a few exceptions concerning external characters, all correctly noted by Lutshnik (1916) , all Caucasian species of this complex are distributed well within the above two genera, especially when genital structure is considered, i.e. the non-overlapping differences in the right paramere. Since Lutshnik rejected the above separation, some *Haplomaseus* he described have been transferred to *Eurymelanius* (I. Belousov) .

354 The species has been described from Banis-Khevi Canyon in the Trialetian Mt. Range. A study of abundant materials from various places of the species range of *P. armenus* (cf. Belousov, 1991) has failed to trace any reliable differences between *P. zorkae* and *P. armenus*. On the contrary, the variation range of the latter species within the Caucasus Major is much more great. Therefore the synonymy *P. zorkae* Vysoky 1983 = *P. armenus* Fald. 1836 is established (I. Belousov) .

355 Described from the Arax River valley, it is known to us only from recent collections from E Turkey (I. Belousov) .

356 This species is characteristic of the peripheral karstic massifs of Megrelia and the extreme E of Abkhazia, completely repeating *P. andreae* in its distribution. *P. laskendariensis* has been described from the Abkhazian part of the range, while *P. dzhambazishvili* from the Megrelian part. A study of abundant materials has revealed the absence of differences between the E and W populations. The types of *P. caucasicola* Tschit. is peculiar in being pale, same as the type of *P. andreae* (both kept in ZISP) . Both are supplied with the same label (Kuznetsov's collections from Svanetia, without further details) , the unusually pale coloration perhaps being accounted for by some special method of conservation used by the collector (I. Belousov) .

357 A widespread species tending to form poorly differentiated geographical races. Apparently, some of the available names do not deserve conservation (I. Belousov) .

358 Differs slightly from other geographical forms of *P. chydaeus*, perhaps to be treated as the latter's subspecies (I. Belousov) .

359 According to Kirschenhofer (1982) , the species belongs to the group with a pubescent onychium. Among the numerous samples at hand, all deriving from the Bzybian Karstic Plateau, there is not a single specimen with a pubescent onychium. All *Eurymelanius* from that area belong to the *'inapertum'* swarm. A habitual resemblance of *P. rousi* and *P. inapertum* is noteworthy. Finally, a restudy of a cotype (Coll. Janata, Prague) has confirmed no pubescence on the last tarsomere. The above requires further evidence for resurrecting the specific rank of *P. rousi* (I. Belousov) .

360 This species is close to *P. chydaeus*. The slight variations in the shape of the pronotum cannot be regarded as an ultimate proof of the taxon's specific rank. In any event, this largely Transcaucasian taxon vicariating with *P. chydaeus* must be beyond any doubt considered as its most close relative. Separation of both is especially hard in the E Caucasus, an area of range contacts (I. Belousov) .

= (*tamsi (Pterostichus)* DEJEAN 1831)

Subgenus ***Lyrothorax*** CHAUDOIR 1838

Type species: *Pterostichus caspius* MÉNÉTRIÉS 1832

191 ***caspius (Pterostichus)*** MÉNÉTRIÉS 1832 ---------J----------

Subgenus ***Omaseus*** DEJEAN 1821

Type species: *Carabus aterrimus* HERBST 1784

= *Lyperus* CHAUDOIR 1838

Type species: *Carabus aterrimus* HERBST 1784

= *Lyperosomus* MOTSCHULSKY 1850

Type species: *Carabus aterrimus* HERBST 1784

192 (***aterrimus (Pterostichus)*** HERBST 1784) ----------N----------

193 (***elongatus (Pterostichus)*** DUFTSCHMID 1812) ---DEF--I-----OP----------

= *meridionalis (Pterostichus)* DEJEAN 1828

= *tingitanus (Pterostichus)* LUCAS 1846

194 ***licenti (Pterostichus)*** JEDLIˆKA 1939 ----------Y- Yd

Subgenus ***Steropus*** DEJEAN 1821[361]

Type species: *Carabus aethiops* PANZER 1797

195 ***aenescens (Pterostichus)*** CHAUDOIR 1872 ----------Y-

196 ***aereipennis (Pterostichus)*** SOLSKY 1872 ----------Y-

197 (***aethiops (Pterostichus)*** PANZER 1797) ABC----------

= *concinnus (Pterostichus)* CURTIS 1827

= *cognatus (Pterostichus)* STEPHENS 1832

= *picipes (Pterostichus)* LETZNER 1852

= *angusticollis (Pterostichus)* LETZNER 1852

= *bifoveolatus (Pterostichus)* LETZNER 1852

= *planatus (Pterostichus)* LETZNER 1852 [non MÉNÉTRIÉS 1846]

= *quadripunctatus (Pterostichus)* LETZNER 1852

= *monticola (Pterostichus)* CROTCH 1870

ab. *vorbringeri (Pterostichus aethiops, ab.)* CSIKI 1930 [nom. pro *glaber* VORBRINGER 1897]

= *glaber (Pterostichus)* VORBRINGER 1897 [non LETZNER 1852]

198 ***alacer (Pterostichus)*** A.MORAWITZ 1868 ----------Y-

199 ***faldermanni (Pterostichus)*** SCHATZMAYR 1929 ----------TUV----

= *brevis (Pterostichus)* FALDERMANN 1836

200 (***mannerheimi (Pterostichus)*** DEJEAN 1831) -BC-------KLM------TU----- BdfCc

= *aeneus (Pterostichus)* MOTSCHULSKY 1850

201 ***maurusiacus (Pterostichus)*** MANNERHEIM 1825 ----------MN-----TU-----

202 (***orientalis (Pterostichus)*** MOTSCHULSKY 1844) ----------UV--Y-

ssp. (***orientalis (Pterostichus orientalis, ssp.)*** MOTSCHULSKY 1844) ----------UV----

= *dauricus (Pterostichus orientalis, syn.)* MOTSCHULSKY 1860

= *aeneus (Pterostichus orientalis, syn.)* SOLSKY 1872

ssp. ***antiquus (Pterostichus orientalis, ssp.)*** MOTSCHULSKY 1859 ----------Y-

= (*jessoensis (Pterostichus orientalis, syn.)* TSCHITSCHÉRINE 1897)

= *pravei (Pterostichus orientalis, syn.)* LUTSHNIK 1915

203 ***parens (Pterostichus)*** TSCHITSCHÉRINE 1897 -B--------KL--------UVW-Y-

= (*subtilis (Pterostichus)* MOTSCHULSKY 1844) [non R.F.SAHLBERG 1844]

= *braudoi (Pterostichus)* POPPIUS 1903

= *braudonis (Pterostichus)* SEIDLITZ 1907

= *discrepans (Pterostichus)* A.MORAWITZ 1862

= *fugitivus (Pterostichus)* CHAUDOIR 1868

204 ***rufitarsis (Pterostichus)*** DEJEAN 1828 A----------

= *cordatus (Pterostichus)* LETZNER 1842

205 (***tuberculiger (Pterostichus)*** TSCHITSCHÉRINE 1897) ----------Y-

206 ***virescens (Pterostichus)*** GEBLER 1833 ----------T------

? *circulosus (Pterostichus)* LINDROTH 1966

Subgenus ***Eosteropus*** TSCHITSCHÉRINE 1902

Type species: *Platysma creperum* TSCHITSCHÉRINE 1902

207 ***prolongatus (Pterostichus)*** A.MORAWITZ 1862 ----------Y-

Subgenus ***Steroperis*** SHILENKOV in litt.

Type species: *Lyperopherus cancellatus* MOTSCHULSKY 1859.

208 ***agonus (Pterostichus)*** W.HORN 1880 ----------U-WX--

= *tschuktschorum (Pterostichus)* J.SAHLBERG 1887

209 ***costatus (Pterostichus)*** MÉNÉTRIÉS 1851 ----------U-WX--

? (*cruralis (Pterostichus)* TSCHITSCHÉRINE 1902)

= *femoratum (Pterostichus)* MOTSCHULSKY 1845

210 (***cancellatus (Pterostichus)*** MOTSCHULSKY 1859) ----------UVW---

= *schrenki (Pterostichus)* A.MORAWITZ 1862

211 ***wellschmidti (Pterostichus)*** KIRSCHENHOFER 1989 ----------Z Za: S Sakhalin

212 ***vermiculosus (Pterostichus)*** MÉNÉTRIÉS 1851 -B--------KL--------U-WX--

213 (***saxicola (Pterostichus)*** TSCHITSCHÉRINE 1899) ----------V--Y-

Subgenus ***Bothriopterus*** CHAUDOIR 1838

Type species: *Carabus oblongopunctatus* FABRICIUS 1787

214 ***adstrictus (Pterostichus)*** ESCHSCHOLTZ 1823 -B--------KLM------TUVWXYZ

= *vitreus (Pterostichus)* DEJEAN 1828

= *borealis (Pterostichus)* ZETTERSTEDT 1828

= *luczoti (Pterostichus)* DEJEAN 1828

= *sexpunctatus (Pterostichus)* MANNERHEIM 1853

= *obtusangulus (Pterostichus)* MOTSCHULSKY 1859

= *motschulskyi (Pterostichus)* MÄKLIN 1857

= *latescans (Pterostichus)* CASEY 1918

= *sericeus (Pterostichus)* CASEY 1918

= *latebricola (Pterostichus)* CASEY 1918

= *shastanus (Pterostichus)* CASEY 1918

= *saxatilis (Pterostichus)* CASEY 1918

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361 The Subgenus *Steropus* was established by Dejean in 1821, not by Stephens in 1828, as erroneously believed by many authors (Bousquet, 1984; Jeanne, 1989) . Typification was effectuated by Chaudoir, 1838, a fact ignored by Lindroth (1966, 1986) , who erroneously referred to *P. madidus* as the type-species of that Subgenus (V. Shilenkov) .

= *laxicollis (Pterostichus)* CASEY 1918
= *angusticollis (Pterostichus)* CASEY 1918

215 ***quadrifoveolatus (Pterostichus)*** LETZNER 1852 -BC-------K-MN------------
= *angustatus (Pterostichus)* DUFTSCHMID 1812
216 (***oblongopunctatus (Pterostichus)*** FABRICIUS 1787) ABCD--G---KLMN-----TUV----
ssp. (***oblongopunctatus (Pterostichus oblongopunctatus, ssp.)*** FABRICIUS 1787) ABCD------KLMN-----TUV----
ssp. (***melanoscelis (Pterostichus oblongopunctatus, ssp.)*** MARSEUL 1880) ------G-------------------
217 ***mariae (Pterostichus)*** LUTSHNIK 1921 ----------------R--------
= (*melanoscelis (Pterostichus)* TSCHITSCHÉRINE 1900) [non MARSEUL 1880]
218 ***subovatus (Pterostichus)*** MOTSCHULSKY 1862 [non MARSEUL 1880] ------------------------Y-

Subgenus ***Morphnosoma*** LUTSHNIK 1915

Type species: *Carabus vulgaris* LINNAEUS 1758 [= *P. melanarius* ILLIGER 1798]

= *Omaseus* auct.

= *Omaseidius* JEANNEL 1942

Type species: *Carabus vulgaris* LINNAEUS 1758

= *Euferonia* CASEY 1918

Type species: *Feronia stygica* SAY 1823

219 (***melanarius (Pterostichus)*** ILLIGER 1798) ABCD-FGH---LMNO----TU----- Ga12b12
ssp. (***melanarius (Pterostichus melanarius, ssp.)*** ILLIGER 1798) ABCD-FG----LMNO----TU----- Ga12b12
= *vulgaris (Pterostichus)* auct. [non LINNAEUS 1758]
= (*leucophthalmus (Pterostichus)* ROSSI 1790)
= *furvus (Pterostichus)* C.R.SAHLBERG 1817
= *ater (Pterostichus)* C.R.SAHLBERG 1817
= *nigerrimus (Pterostichus)* STURM 1824
= *pennatus (Pterostichus)* DEJEAN 1828
= *affinis (Pterostichus)* STEPHENS 1828
= *sulcatus (Pterostichus)* STEPHENS 1828
= *cribricollis (Pterostichus)* MOTSCHULSKY 1850
= *genuinus (Pterostichus)* LETZNER 1852
= *nigerrimus (Pterostichus)* LETZNER 1852 [non STURM 1824]
= *brevis (Pterostichus)* LETZNER 1852 [non DUFTSCHMID 1812]
= *angustatus (Pterostichus)* LETZNER 1852 [non DUFTSCHMID 1812]
= *ovalis (Pterostichus)* LETZNER 1852
= *latus (Pterostichus)* LETZNER 1852
= *planatus (Pterostichus)* LETZNER 1852
= *tripunctatus (Pterostichus)* LETZNER 1852
= *punctulatus (Pterostichus)* LETZNER 1852 [non SCHALLER 1783]
= *unipunctatus (Pterostichus)* LETZNER 1852
= *punctatostriatus (Pterostichus)* LETZNER 1852 [non STEPHENS 1828]
= *irregularis (Pterostichus)* LETZNER 1852
= *alatus (Pterostichus)* LETZNER 1852
= *inaequalis (Pterostichus)* LETZNER 1852 [non MARSHAM 1802]
= *lateralis (Pterostichus)* LETZNER 1852 [non BRULLÉ 1834]
= *angusticollis (Pterostichus)* LETZNER 1852
= *picipes (Pterostichus)* LETZNER 1852
= *lyperoides (Pterostichus)* GAUTIER 1869
= *corrugatus (Pterostichus)* J.SAHLBERG 1880
= *alternans (Pterostichus)* CARRETT 1897
= *nemoralis (Pterostichus)* STIERLIN 1900
var. *arvernus (Pterostichus melanarius, var.)* SIRGUEY 1924
ssp. ***cardioderus (Pterostichus melanarius, ssp.)*** CHAUDOIR 1842 ------GH------------------ Ga3b2H
? *dubius (Pterostichus melanarius, syn.)* GAUTIER 1869
220 ***alexeji (Pterostichus)*** ZAMOTAILOV et KRYZHANOVSKIJ 1992 ------G------------------- Gb2c1
= *cyri (Pterostichus alexeji, syn.)* BOGACHEV [nom. nud.]

Subgenus ***Feronidius*** JEANNEL 1941

Type species: *Carabus melas* CREUTZER 1799

221 (***melas (Pterostichus)*** CREUTZER 1799) A--D----------------------
ssp. (***melas (Pterostichus melas, ssp.)*** CREUTZER 1799) A--D----------------------
= *maurus (Pterostichus melas, syn.)* STURM 1818
222 (***fornicatus (Pterostichus)*** KOLENATI 1845) -----FG------------------
223 ***hungaricus (Pterostichus)*** DEJEAN 1828 A-------------------------
? *serbicus (Pterostichus)* APFELBECK 1899

Subgenus ***Cophosus*** DEJEAN 1828

Type species: *Carabus cylindricus* HERBST 1785

224 (***cylindricus (Pterostichus)*** HERBST 1785) A-------------------------

Subgenus ***Falsargutor*** KRYZHANOVSKIJ 1984

Type species: *Pterostichus pseudopedius* REITTER 1887

225 ***kataevi (Pterostichus)*** KRYZHANOVSKIJ 1989 ------G------------------- W of Gb4: Khvira Mt., E of Ga3: Okhachkhue Mt.
226 ***ponticus (Pterostichus)*** KIRSCHENHOFER 1987 -------H------------------ Hb
= *imeretinus (Pterostichus)* KRYZHANOVSKIJ 1989
227 ***pseudopedius (Pterostichus)*** REITTER 1887 ------G------------------- Ga13

Subgenus ***Petrophilus*** CHAUDOIR 1838

Type species: *Pterostichus findeli* DEJEAN 1828

= *Euryperus* MOTSCHULSKY 1850

Type species: *Euryperis uralensis* MOTSCHULSKY 1850

= *Feroperis* LAFER 1980

Type species: *Feronia jungens* TSCHITSCHÉRINE 1897

The ***'jungens'*** species group

228 ***alexandrovi (Pterostichus)*** LAFER 1980 ------------------------Y- Askold Isl.
229 ***arsenjevi (Pterostichus)*** LAFER 1980 ------------------------Y-
230 ***chechcirensis (Pterostichus)*** LAFER 1980 ------------------------Y-
231 ***decastriensis (Pterostichus)*** LAFER 1980 ------------------------Y-
232 (***jungens (Pterostichus)*** TSCHITSCHÉRINE 1893) ------------------------Y-
233 ***labzuki (Pterostichus)*** LAFER 1980 ------------------------Y-

234 ***levadensis (Pterostichus)*** LAFER 1980 ----------Y-
235 ***maichensis (Pterostichus)*** LAFER 1980 ----------Y-
236 ***kurentzovi (Pterostichus)*** LAFER 1980 ----------Y-
? *melanodes (Pterostichus)* CHAUDOIR 1878 ----------Y-
237 ***petulans (Pterostichus)*** JEDLIªKA 1938 ----------Y-
238 ***procax (Pterostichus)*** A.MORAWITZ 1862 ----------Y-
239 ***shingarevi (Pterostichus)*** LAFER 1980 ----------Y-
240 ***vladivostokensis (Pterostichus)*** LAFER 1980 ----------Y-

The *'altaicus'* species group

241 ***altaicus (Pterostichus)*** GERMAR 1824 ----------T------
242 ***mellyi (Pterostichus)*** GEBLER 1842 ----------T------
= *variipes (Pterostichus)* CHAUDOIR 1868
243 ***tomensis (Pterostichus)*** GEBLER 1847 ----------T------
244 ***triseriatus (Pterostichus)*** GEBLER 1847 ----------T------

The *'magus'* species group

245 ***magus (Pterostichus)*** MANNERHEIM 1825 ----------KLMN-----TUV----
ssp. ***magus (Pterostichus magus, ssp.)*** MANNERHEIM 1825 ----------KLMN-----------
ssp. (***mongolicus (Pterostichus magus, ssp.)*** MOTSCHULSKY 1844) ----------TUV---- Vab
246 ***abnormis (Pterostichus)*** J.SAHLBERG 1880 ----------U-W--- Uab
247 (***tundrae (Pterostichus)*** TSCHITSCHÉRINE 1894) ----------W---

The *'uralensis'* species group

248 ***uralensis (Pterostichus)*** MOTSCHULSKY 1850 -BC-------K---------- BeCc
249 ***altainus (Pterostichus)*** JEDLIªKA 1958 ----------T------

The *'dilutipes'* species group

250 (***dilutipes (Pterostichus)*** MOTSCHULSKY 1844) -B--------K--------TUVW--- BfKa
= *irkutensis (Pterostichus)* JEDLIªKA 1937
= *infersus (Pterostichus)* JEDLIªKA 1937
251 ***songoricus (Pterostichus)*** MOTSCHULSKY 1845 ----------T------
252 ***magoides (Pterostichus)*** STRANEO 1937 ----------T------
253 ***urengaicus (Pterostichus)*** JUREªEK 1924 ----------K----------
254 ***kokeili (Pterostichus)*** MILLER 1850
ssp. ***archangelicus (Pterostichus kokeili, ssp.)*** POPPIUS 1907 ----------K----------
= *montivagus (Pterostichus kokeili, syn.)* POPPIUS 1906
255 ***septentrionis (Pterostichus)*** CHAUDOIR 1868 ----------V---- Va
= (*borealis (Pterostichus)* MOTSCHULSKY 1844) [non ZETTERSTEDT 1828]
256 ***ehnbergi (Pterostichus)*** POPPIUS 1907 ----------TU-----
= *castanipes (Pterostichus)* GEBLER 1847 [non MÉNÉTRIÉS 1832, nec KIRBY 1837]
= *tatarorum (Pterostichus)* CSIKI 1930 Altais
= *dilutipes elmbergi (Pterostichus)* CSIKI 1930
257 ***subaeneus (Pterostichus)*** CHAUDOIR 1850 ----------T------
= (*wagneri (Pterostichus)* TSCHITSCHÉRINE 1893) **Syn. nov.**[362]

The *'montanus'* species group

258 (***montanus (Pterostichus)*** MOTSCHULSKY 1844) ----------KL-------TUV--Y- Ya
= *fossiger (Pterostichus)* JEDLIªKA 1937
= *insignis (Pterostichus)* R.F.SAHLBERG 1844
259 ***turanensis (Pterostichus)*** JEDLIªKA 1959 ----------T------ Tf
260 (***bungei (Pterostichus)*** TSCHITSCHÉRINE 1894) ----------W---

The *'seriatus'* species group

261 ***seriatus (Pterostichus)*** CHAUDOIR 1850 ----------T------ Tdg
262 ***monticoloides (Pterostichus)*** SHILENKOV **Nom. nov.** ----------T------
= *monticola (Pterostichus)* GEBLER 1848 [non NICOLAI 1822][363]

The *'dauricus'* species group

263 ***dauricus (Pterostichus)*** GEBLER 1832 ----------UV--Y-
= (*transbaicalicus (Pterostichus)* MOTSCHULSKY 1844)
= *cordiger (Pterostichus)* CHAUDOIR 1868
264 ***schoenmanni (Pterostichus)*** KIRSCHENHOFER 1991 ----------T------ Td

The *'eximius'* species group

265 ***eximius (Pterostichus)*** A.MORAWITZ 1862[364] ----------UVWXY-
= *punctatostriatus (Pterostichus)* MOTSCHULSKY 1859 **Syn.nov.** [non STEPHENS 1828, non LETZNER 1852]
= *ochoticus (Pterostichus)* MOTSCHULSKY 1860 **Syn. nov.** [non R.F.SAHLBERG 1844]
= *lenensis (Pterostichus)* POPPIUS 1906 **Syn. nov.**
= *obliguebasalis (Pterostichus)* JEDLIªKA 1962 **Syn. nov.**
= *prochazkorum (Pterostichus)* JEDLIªKA 1967 **Syn. nov.**
= *baeckmanni (Pterostichus)* JACOBSON 1906
= *jakutskensis (Pterostichus)* CSIKI 1930
266 ***sutschanensis (Pterostichus)*** JEDLIªKA 1962 ----------Y-
267 ***crassiceps (Pterostichus)*** A.MORAWITZ 1862 ----------YZ
268 ***sachalinensis (Pterostichus)*** KIRSCHENHOFER 1989 ----------Z
269 ***rudnicus (Pterostichus)*** JEDLIªKA 1938 ----------Y-

The *'foveolatus'* species group

270 ***foveolatus (Pterostichus)*** DUFTSCHMID 1812 A----------

incertae sedis

271 ***poppiusi (Pterostichus)*** SEMENOV 1906 ----------W---
= *submetallescens (Pterostichus)* POPPIUS 1906 [non MARSHAM 1802]
? *lapponicus (Pterostichus)* JEDLIªKA 1937
272 ***nigellus (Pterostichus)*** A.MORAWITZ 1862 ----------W--- Okhotsk

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362 The synonymy is based upon a restudy of the types of Chaudoir and Tschitschérine (V. Shilenkov) .

363 Poppius (1907) erroneously synonymized this species under *P. wagneri* Tschit. (V. Shilenkov) .

364 This species is widespread in the montane forests of East Siberia. It has been repeatedly described by various authors, as confirmed by a restudy of the types of Motschulsky, Poppius and Jedliªka (V. Shilenkov) .

Subgenus ***Oreolyperus*** TSCHITSCHÉRINE 1901
Type species: *Oreolyperus korolkowi* TSCHITSCHÉRINE 1901

273 (***korolkowi (Pterostichus)*** TSCHITSCHÉRINE 1901) ----------R-------- Ra: SE Dzhungarsky Alatau Mt.R.
274 (***heptapotamicus (Pterostichus)*** LUTSHNIK 1927) ----------R-------- Ra
275 (***necessarius (Pterostichus)*** TSCHITSCHÉRINE 1894) ----------R-------- Ra: N Dzhungarsky Alatau Mt.R.
276 (***regeli (Pterostichus)*** TSCHITSCHÉRINE 1894) ----------R-------- Ra: Dzhungarsky Alatau, excl. E part

Subgenus ***Stereocerus*** KIRBY 1837
Type species: *Pterostichus similis* KIRBY 1837
= *Boreobia* TSCHITSCHÉRINE 1896
Type species: not given

277 ***rubripes (Pterostichus)*** MOTSCHULSKY 1860 -B--------KL--------UVWXY-
= *kryzhanovskyi (Pterostichus)* LINDROTH 1966
278 (***haematopus (Pterostichus)*** DEJEAN 1831) -B--------KL--------U-WXY-
= *strigicollis (Pterostichus)* R.F.SAHLBERG 1844
= (*imitatrix (Pterostichus)* TSCHITSCHÉRINE 1896)
= *similis (Pterostichus)* KIRBY 1837
= *bicoloratus (Pterostichus)* JEDLIˆKA 1937

Subgenus ***Bryobius*** CHAUDOIR 1838
Type species: *Carabus jurinei* PANZER 1805
= *Psychobius* CHAUDOIR 1838
Type species: *Pterostichus spinolai* DEJEAN 1828

279 (***jurinei (Pterostichus)*** PANZER 1805) A------------------------
ssp. ***heydeni (Pterostichus jurinei, ssp.)*** DEJEAN 1828 A------------------------

Subgenus ***Oreophilus*** CHAUDOIR 1838
Type species: *Pterostichus multipunctatu* DEJEAN 1828

280 ***morio (Pterostichus)*** DUFTSCHMID 1812
ssp. ***carpathicus (Pterostichus morio, ssp.)*** KULT 1944 A------------------------
= *maurus (Pterostichus)* auct. [non DUFTSCHMID 1812]

Subgenus ***Cheporus*** LATREILLE 1825
Type species: *Carabus metallicus* FABRICIUS 1792

281 ***burmeisteri (Pterostichus)*** HEER 1841 A------------------------ Ab
= (*metallicus (Pterostichus)* FABRICIUS 1792)

Subgenus ***Calopterus*** CHAUDOIR 1838
Type species: *Pterostichus duvali* DEJEAN 1828 [= *P.selmanni* DUFTSCHMID 1812]
= *Dasalus* MOTSCHULSKY 1850
Type species: *Pterostichus fossulatus* GERMAR 1824 [= *P.variolatus* DEJEAN 1828]
= *Aello* DES GOZIS 1882
Type species: *Pterostichus prevosti* DEJEAN 1828

282 (***pilosus (Pterostichus)*** HOST 1789) A------------------------
? (*fossulatus (Pterostichus)* QUENSEL in SCHÖNHERR 1806)
= (*interpunctatus (Pterostichus)* DUFTSCHMID 1812)

Subgenus ***Agastillus*** REITTER 1892

283 (***cratocephalus (Pterostichus)*** TSCHITSCHÉRINE 1896) -------H------------------ Hb
284 ***capitatus (Pterostichus)*** CHAUDOIR 1850 --------I----------------- Iab: high altitude

incertae sedis

285 ***analis (Pterostichus)*** JEDLIˆKA 1963[365]

Genus ***Aphaonus*** REITTER 1887
Type species: ***Aphaonus cylindriformis*** REITTER 1887

Subgenus ***Aphaonus*** REITTER 1887
Type species: ***Aphaonus cylindriformis*** REITTER 1887

1 ***cylindriformis (Aphaonus)*** REITTER 1887 ------G------------------- Ga13
2 ***miroshnikovi (Aphaonus)*** ZAMOTAILOV 1991 ------G------------------- Ga3: SE of Bzybian karst plateau
3 ***tichonis (Aphaonus)*** SEMENOV 1899 ------G-------------------
4 ***koenigianus (Aphaonus)*** TSCHITSCHÉRINE 1890 ------G------------------- Ga2
5 ***pseudopercus (Aphaonus)*** REITTER 1889 ------G------------------- Ga3: Gagrian Mt.R.
= *abasinus (Aphaonus)* ROST 1891
6 ***starckianus (Aphaonus)*** REITTER 1887 ------G------------------- E part of Ga1
= *starki (Aphaonus)* REITTER 1887 [non HEYDEN 1885]

Subgenus ***Scaritomorphus*** KURNAKOV 1962
Type species: *Pterostichus arcanus* KURNAKOV 1962

7 ***compressus (Aphaonus)*** ROST 1891 ------G------------------- Ga1
8 ***arcanus (Aphaonus)*** KURNAKOV 1962 ------G------------------- Ga3: Chedymsky Mt.R.

Genus ***Abax*** BONELLI 1810
Type species: *Carabus striola* FABRICIUS 1792 [= *C.parallelepipedus* PILLER et MITTERPACHER 1783]

1 (***parallelopipedus (Abax)*** PILLER et MITTERPACHER 1783) A-CD----------------------
= (*ater (Abax)* VILLERS 1789)
= (*striola (Abax)* FABRICIUS 1792)
2 (***carinatus (Abax)*** DUFTSCHMID 1812) A--D----------------------
3 (***ovalis (Abax)*** DUFTSCHMID 1812) A--D----------------------
4 (***parallelus (Abax)*** DUFTSCHMID 1812) A-CD----------------------
5 ***schueppeli (Abax)*** PALLIARDI 1827 A------------------------

Genus ***Molops*** BONELLI 1810
Type species: *Scarites piceus* PANZER 1793

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365 It has been described from the Caucasus by Jedliºka as a member of the Subgenus *Amolops*. Yet before that, Strand (1936) had found out homonymy and renamed that taxon into *Amolopsa* Strand 1936 (= *Amolops* Tschitschérine 1898, = *Trichomolops* Andrewes 1939) . Finally, in Straneo's (1984) revision, *analis* has been ejected from the genus *Amolopsa* and transferred into *Pterostichus*. However, the identity of this species remains obscure (K. Makarov) .

1 (***piceus (Molops)*** PANZER 1793) `A--D----------`

Tribe *SPHODRINI*

Genus ***Calathus*** BONELLI 1810

Type species: *Carabus cisteloides* PANZER 1793

Subgenus ***Calathus*** BONELLI 1810

Type species: *Carabus cisteloides* PANZER 1793

1 ***alternans (Calathus)*** FALDERMANN 1836 `-------H----------`
2 ***distinguendus (Calathus)*** CHAUDOIR 1846 `---DEFGHI----------`
3 (***fuscipes (Calathus)*** GOEZE 1777) `ABCDEFGHI----------`
= (*cisteloides (Calathus)* PANZER 1793)
= (*flavipes (Calathus)* OLIVIER 1795)
= (*frigidus (Calathus)* FABRICIUS 1801)
= *latus (Calathus)* BRULLÉ 1834
ssp. (***fuscipes (Calathus fuscipes, ssp.)*** GOEZE 1777) `ABCDEF----------`
4 ***longicollis (Calathus)*** MOTSCHULSKY 1864 `------G-I----------`
5 ***pluriseriatus (Calathus)*** PUTZEYS 1873 `--------I----------`
6 ***reflexicollis (Calathus)*** FALDERMANN 1839 `------G-I----------`
= *laevicollis (Calathus)* GAUTIER 1867
7 ***syriacus (Calathus)*** CHAUDOIR 1863 `----E-G-I----------`
? *thoracicus (Calathus)* FISCHER von WALDHEIM 1842 `----------O-----------`

Subgenus ***Neocalathus*** BALL et NEGRE 1972

Type species: *Carabus melanocephalus* LINNAEUS 1758

8 (***ambiguus (Calathus)*** PAYKULL 1790) `ABCDEFGHIJK--NOP-RST------ Tbd`
= (*rufipes (Calathus)* FABRICIUS 1792)
= (*fuscus (Calathus)* FABRICIUS 1792)
= *dilutus (Calathus)* CHAUDOIR 1843
= *chevrolati (Calathus)* GAUTIER 1867
9 (***erratus (Calathus)*** C.R.SAHLBERG 1827) `ABCDEFGHI---MNO----TUV--Y-`
ssp. (***erratus (Calathus erratus, ssp.)*** C.R.SAHLBERG 1827) `ABCDEFGH----MNO----TUV--Y-`
= *fulvipes (Calathus erratus, syn.)* GYLLLENHAL 1810
= *flavipes (Calathus erratus, syn.)* DUFTSCHMID 1812
ssp. ***marginicollis (Calathus erratus, ssp.)*** CHAUDOIR 1846 `------G-I----------`
= *corallipes (Calathus erratus, syn.)* REITTER 1887
10 ***femoralis (Calathus)*** CHAUDOIR 1846 `------G----------`
= *dobersbergeri (Calathus)* REITTER 1890
11 ***kollari (Calathus)*** PUTZEYS 1873 `----------S-------`
= *angustatus (Calathus)* KOLLAR et L.REDTENBACHER 1848
12 (***melanocephalus (Calathus)*** LINNAEUS 1758) `ABCDEFGHIJKLMNOP-RSTUV--Y-`
ssp. (***melanocephalus (Calathus melanocephalus, ssp.)*** LINNAEUS 1758) `ABCDEFGHIJKLMNOP-RSTUV--Y-`
= *alpinus (Calathus melanocephalus, syn.)* DEJEAN 1828
= *obscuricollis (Calathus melanocephalus, syn.)* CHAUDOIR 1837
= *tricolor (Calathus melanocephalus, syn.)* REITTER 1887
= *tarsalis (Calathus melanocephalus, syn.)* J.SAHLBERG 1875
ssp. ***furvus (Calathus melanocephalus, ssp.)*** TSCHITSCHÉRINE 1895 `------G----------`
13 ***metallicus (Calathus)*** DEJEAN 1828 `A----------`
= *deplanatus (Calathus)* CHAUDOIR 1843
= *aeneus (Calathus)* PUTZEYS 1873
14 (***micropterus (Calathus)*** DUFTSCHMID 1812) `ABCD--G---KLM------TUV--YZ`
= *sibiricus (Calathus)* GEBLER 1841
= *borealis (Calathus)* MOTSCHULSKY 1850
= *glabripennis (Calathus)* STURM 1824
= *elongatus (Calathus)* DEJEAN 1828
= *microcephalus (Calathus)* DEJEAN 1828
15 (***ochropterus (Calathus)*** DUFTSCHMID 1812) `---DEFGHI------PQ--------- Dd`
= (*mollis (Calathus)* MARSHAM 1802)
16 (***cinctus (Calathus)*** MOTSCHULSKY 1850) `AB-DEFG-I----------`
= *erythroderus (Calathus)* GEMMINGER et HAROLD 1868
17 ***peltatus (Calathus)*** KOLENATI 1845 `------GHI------P----------`
= *armenus (Calathus)* MOTSCHULSKY 1850
= *mollis (Calathus peltatus, syn.)* GAUTIER 1867 [non MARSHAM 1802]

Subgenus ***Dolichus*** BONELLI 1809

Type species: *Carabus flavicornis* FABRICIUS 1787

18 (***halensis (Calathus)*** SCHALLER 1783) `A-CD-FGHI----NOP-R-T----Y- Tb`
f. *maculatus (Calathus halensis, f.)* LETZNER 1852
f. *pictus (Calathus halensis, f.)* JEDLIᵃKA 1936
= *eohalensis (Calathus halensis, syn.)* JEANNEL 1942
f. *triangularis (Calathus halensis, f.)* JEDLIᵃKA 1936
= *bicolor (Calathus halensis, syn.)* JEDLIᵃKA 1936
f. *brunneipennis (Calathus halensis, f.)* JEDLIᵃKA 1936
= *szetschuanus (Calathus halensis, syn.)* JEDLIᵃKA 1936
= *bicolor (Calathus halensis, syn.)* M.MAINDRON 1910
f. *rufithorax (Calathus halensis, f.)* JEDLIᵃKA 1936
= *ruficollis (Calathus halensis, syn.)* JEANNEL 1942
f. (*flavicornis (Calathus halensis, f.)* FABRICIUS 1787)
= *limbatus (Calathus halensis, syn.)* JEDLIᵃKA 1936
f. *viduus (Calathus halensis, f.)* M.MAINDRON 1910
= *phaeopus (Calathus halensis, syn.)* M.MAINDRON 1910

Subgenus ***Lindrothius*** KURNAKOV 1961[366]

Type species: *Calathus caucasicus* CHAUDOIR 1846

19 ***caucasicus (Calathus)*** CHAUDOIR 1846 `------G---------- Ga23b`
ssp. ***caucasicus (Calathus caucasicus, ssp.)*** CHAUDOIR 1846 `------G---------- Ga23`

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366 The group warrants a revision. The then good work by Kurnakov appears to already poorly correspond to new available materials, especially as regards the specific status of a number of taxa (I. Belousov) .

ssp. (***orbicollis (Calathus caucasicus, ssp.)*** MOTSCHULSKY 1864) ------G------------------ Gb
= *aequistriatus (Calathus caucasicus, syn.)* KURNAKOV 1961
20 ***grandiceps (Calathus)*** KURNAKOV 1961 ------G------------------ Ga23
ssp. ***grandiceps (Calathus grandiceps, ssp.)*** KURNAKOV 1961 ------G------------------ Ga3
ssp. ***stschukini (Calathus grandiceps, ssp.)*** KURNAKOV 1961 ------G------------------ Ga2
21 ***horsti (Calathus)*** REITTER 1888 ------G------------------ Ga1: env. Mt.Fisht, Achishkho
22 ***laticaudis (Calathus)*** KURNAKOV 1961 ------G------------------ Ga1: Achishkho
23 ***praestans (Calathus)*** HEYDEN 1885 ------G------------------ Ga1: Pseashkho
24 ***pseudopraestans (Calathus)*** KURNAKOV 1961 ------G------------------ Ga1: basin of M.Laba Riv.
25 ***mandibularis (Calathus)*** KURNAKOV 1961 ------G------------------ Ga3: Bzybian karst plateau
26 ***recticaudis (Calathus)*** KURNAKOV 1961 ------G------------------ Ga23: Aibga between M. & B.Laba riv.
27 ***robustus (Calathus)*** KURNAKOV 1961 ------G------------------ Ga3 Aibga, Gagrian Mt.R.
28 ***stricticaudis (Calathus)*** KURNAKOV 1961 ------G------------------ Ga3: W part of Bzybian & Gagrian Mt.r.
29 ***subpraestans (Calathus)*** KURNAKOV 1961 ------G------------------ Ga23: Marukh, Askaut, Abkhazsky Mt.r.

Genus ***Thermoscelis*** PUTZEYS 1873

Type species: *Calathus insignis* CHAUDOIR 1846

1 (***insignis (Thermoscelis)*** CHAUDOIR 1846) ------G------------------

Genus ***Pseudotaphoxenus*** SCHAUFUSS 1865

Type species: *Taphoxenus elongatus* MOTSCHULSKY 1850

The ***'parvulus'*** species group

1 ***minimus (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------------R-------- Rb
2 (***occultus (Pseudotaphoxenus)*** BALLION 1870) ----------------R-------- Rbd
= *szekessyi (Pseudotaphoxenus)* JEDLIᵃKA 1952
3 ***parvulus (Pseudotaphoxenus)*** SEMENOV 1889 ----------------RS-------
ssp. ***parvulus (Pseudotaphoxenus parvulus, ssp.)*** SEMENOV 1889 ----------------R-------- Rb
ssp. ***biroi (Pseudotaphoxenus parvulus, ssp.)*** JEDLIᵃKA 1952 ----------------R--------
ssp. ***infans (Pseudotaphoxenus parvulus, ssp.)*** LUTSHNIK 1930 ----------------S------- Sa
4 ***dissors (Pseudotaphoxenus)*** SEMENOV 1891 ----------------S-------
= *minor (Pseudotaphoxenus)* SEMENOV [nom. nud.]

The ***'thoracicus'*** species group

5 (***thoracicus (Pseudotaphoxenus)*** GEBLER 1843) --------------OP---------- OPd
6 ***abnormalis (Pseudotaphoxenus)*** JEDLIᵃKA 1961 ----------------R-------- Rb: W Kunguei Alatoo, E part of Kirghizsky Mt.R.
7 ***taschkensis (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------------R-------- Re
= *costulatus (Pseudotaphoxenus)* JEDLIᵃKA 1952
8 ***ghilarovi (Pseudotaphoxenus)*** VERESCHAGINA 1988 ---------------P---------- Pd: E Balkhash region: Kyz-Kazgan
9 ***mentitus (Pseudotaphoxenus)*** VERESCHAGINA 1989 ----------------R-------- Re: Aksu-Dzhabagly Reserve, Taldy-Bulak

The ***'juvencus'*** species group sensu CASALE 1988

10 (***planicollis (Pseudotaphoxenus)*** GEBLER 1833) --------------O--R-T------ RaTa
= *sibiricus (Pseudotaphoxenus)* KIND [nom. nud.]
11 (***rufitarsis (Pseudotaphoxenus)*** FISCHER von WALDHEIM 1823) ---D-F-------NO-----------
= *depressus (Pseudotaphoxenus)* MOTSCHULSKY [nom. nud.]
ssp. ***major (Pseudotaphoxenus rufitarsis, ssp.)*** TSCHITSCHÉRINE 1895 ---D----------------------
12 (***angusticollis (Pseudotaphoxenus)*** FISCHER von WALDHEIM 1823) ---D----------------------
= *quadricollis (Pseudotaphoxenus)* CHAUDOIR [nom. nud.]
= *tshitscherini (Pseudotaphoxenus)* JEDLIᵃKA 1952
13 ***acutithorax (Pseudotaphoxenus)*** CASALE 1988 --------------O----------- Karaganda
14 ***humeralis (Pseudotaphoxenus)*** SEMENOV 1908 ---------------PQ---------
15 ***pongraczi (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------------R-------- Rb
= *humeridius (Pseudotaphoxenus)* REITTER [nom. nud.]
16 ***kuljabensis (Pseudotaphoxenus)*** JEDLIᵃKA 1961 ----------------S------- Kulyab
17 ***lutshniki (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ---------------P-R--------
18 ***gracillimus (Pseudotaphoxenus)*** SEMENOV 1889 ----------------Q-S------- QdSe
19 ***michailovi (Pseudotaphoxenus)*** VERESCHAGINA 1988 ----------------S------- Se
20 ***giorgiofiori (Pseudotaphoxenus)*** CASALE et VERESCHAGINA 1986 ---------------PQ---------
21 (***gracilis (Pseudotaphoxenus)*** ZOUBKOFF 1833) ---------------PQ---------
22 ***dignus (Pseudotaphoxenus)*** VERESCHAGINA 1988 ----------------R-------- Re
23 ***kaszabianus (Pseudotaphoxenus)*** CASALE 1988[367] ----------------R-------- Rde
24 ***obenbergeri (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------------S------- Sa
25 ***medvedevi (Pseudotaphoxenus)*** VERESCHAGINA 1988 ----------------S------- Sd: Peter-the-Great Mt.R.
26 ***znojkoj (Pseudotaphoxenus)*** KRYZHANOVSKIJ 1964 ----------------T------ Ta: Saur Mt.R.
27 (***juvencus (Pseudotaphoxenus)*** BALLION 1870) ----------------S-------
= *perangustus (Pseudotaphoxenus)* HEYDEN [nom. nud.]
ssp. ***aksuensis (Pseudotaphoxenus juvencus, ssp.)*** JEDLIᵃKA 1958 ----------------S-------
ssp. ***bucharicus (Pseudotaphoxenus juvencus, ssp.)*** JEDLIᵃKA 1961 ----------------S-------
28 ***strigitarsis (Pseudotaphoxenus)*** JEDLIᵃKA 1958 ----------------S-------
29 ***subcylindricus (Pseudotaphoxenus)*** SEMENOV 1891 ---------------Q---------
= *jakeschi (Pseudotaphoxenus)* JEDLIᵃKA 1967
30 ***sterbai (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------------S------- Sa
31 (***substriatus (Pseudotaphoxenus)*** BALLION 1870) ----------------S------- Sce
= *brosciformis (Pseudotaphoxenus)* HEYDEN [nom. nud.]
= *unipunctatus (Pseudotaphoxenus)* JEDLIᵃKA [nom. nud.]
32 ***stricticollis (Pseudotaphoxenus)*** CASALE 1988 ---------------P--S------- PSa
= *deserticola (Pseudotaphoxenus)* VERESCHAGINA 1988 **Syn. nov.**[368]

The ***'tianschanicus'*** species group sensu CASALE 1988

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367 Described from 1” deriving from the Aksu-Dzhebagly Reserve, this species has been originally attributed by its author to the *tianschanicus*-group, perhaps due to a superficial similarity with *P. vereschaginae* Casale. A study of abundant materials from the N slopes of Talassky Alatau Mt. Range, the locus typicus included, has revealed, the species involved belongs in fact to the *juvencus*-group sensu Casale. *P. kaszabianus* is particularly close to *P. dignus* Vereschagina, the latter taxon being the former's vicariant in the mountains S of the Talassky Alatau Mt. Range (I. Kabak, T. Vereschagina) .

368 A restudy of the holotype of *P. stricticollis* Casale (1” Alai-Geb. Utsch-Kurgan, in NHMW) , and the type series of *P. deserticola* Vereschagina (locus typicus: Repetek) , housed in ZISP, has allowed to elucidate their identity. The paper by Vereschagina appeared a little later than that by Casale, hence the priority of *stricticollis* (I. Kabak, T. Vereschagina) .

33 ***kraatzi (Pseudotaphoxenus)*** HEYDEN 1882[369] ----------S------- Sc
34 ***marani (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------R-------- Rb: Kirghizsky Mt.R.
35 ***fassatii (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------R--------
ssp. ***fassatii (Pseudotaphoxenus fassatii, ssp.)*** JEDLIᵃKA 1952 ----------R-------- Rd
ssp. ***striatipennis (Pseudotaphoxenus fassatii, ssp.)*** CASALE 1988 **Stat. nov.**[370] ----------R-------- Rb
36 ***tianschanicus (Pseudotaphoxenus)*** SEMENOV 1908 ----------R-------- Rbc
= *tengrensis (Pseudotaphoxenus)* JEDLIᵃKA 1952
= *kaszabi (Pseudotaphoxenus)* JEDLIᵃKA 1952
= *kuluensis (Pseudotaphoxenus)* JEDLIᵃKA 1952
= *semenovi (Pseudotaphoxenus)* JEDLIᵃKA 1952
37 ***plustshewskyi (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------RS-------
= *macer (Pseudotaphoxenus)* JEDLIᵃKA 1957
38 ***punctibasis (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------RS-------
39 ***reichardti (Pseudotaphoxenus)*** LUTSHNIK 1928[371] ----------S------- E Alai Mt.R., East Pamirs, West Kun Lun
= *humilis (Pseudotaphoxenus)* CASALE 1988 **Syn. nov.**
= *hiekei (Pseudotaphoxenus)* CASALE 1988 **Syn. nov**.
40 ***vereschaginae (Pseudotaphoxenus)*** CASALE 1988 ----------R-------- Rb: Kirghizsky Mt.R.
41 ***dostali (Pseudotaphoxenus)*** CASALE 1988 ----------R-------- Rb: central portion of Zailiisky Alatau Mts
42 ***kavani (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ----------S------- Sa
ssp. ***kavani (Pseudotaphoxenus kavani, ssp.)*** JEDLIᵃKA 1952 ----------S------- Sa
ssp. ***chamzaabadensis (Pseudotaphoxenus kavani, ssp.)*** CASALE 1988 ----------S------- Sa
43 ***kulti (Pseudotaphoxenus)*** JEDLIᵃKA 1952[372] ----------S-------

The *'dauricus'* species group sensu CASALE 1988

44 ***collaris (Pseudotaphoxenus)*** SCHAUFUSS 1865 ----------NO----T------
45 ***pseudocollaris (Pseudotaphoxenus)*** CASALE 1988[373] ----------R-------- Rb: central portion of Zailiisky Alatau Mts
= *kabaki (Pseudotaphoxenus)* VERESCHAGINA 1988 **Syn. nov.**
46 ***jureceki (Pseudotaphoxenus)*** JEDLIᵃKA 1952 **Stat. nov.**[374] ----------R-------- Rb: Kirghizsky Mt.R. & Zailiisky Alatau Mts
= *kryzhanovskii (Pseudotaphoxenus)* VERESCHAGINA 1988 [non CASALE 1988]
= *ganglbaueri (Pseudotaphoxenus)* CASALE 1988 **Syn. nov.**
47 (***subcostatus (Pseudotaphoxenus)*** MÉNÉTRIÉS 1836) ----------N-----TUV----
ssp. (***subcostatus (Pseudotaphoxenus subcostatus, ssp.)*** MÉNÉTRIÉS 1836) ----------TUV----
= *gracilipes (Pseudotaphoxenus subcostatus, syn.)* A.MORAWITZ 1962
ssp. (***milleri (Pseudotaphoxenus subcostatus, ssp.)*** SCHAUFUSS 1862) ----------T------
= *darjensis (Pseudotaphoxenus subcostatus, syn.)* JEDLIᵃKA 1952
ssp. (***elongatus (Pseudotaphoxenus subcostatus, ssp.)*** MOTSCHULSKY 1850) ----------N-----T------
= *motschulskii (Pseudotaphoxenus)* SCHAUFUSS 1865
= *turkestanicus (Pseudotaphoxenus)* JEDLIᵃKA 1952
= *grumi (Pseudotaphoxenus)* GANGLBAUER [nom. nud.]
48 (***dauricus (Pseudotaphoxenus)*** FISCHER von WALDHEIM 1823) ----------MNO--R-TUV--Y-
ssp. (***dauricus (Pseudotaphoxenus dauricus, ssp.)*** FISCHER von WALDHEIM 1823) ----------TUV--Y-
= (*interstitialis (Pseudotaphoxenus dauricus, syn.)* MOTSCHULSKY 1850)

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369 In the monograph by Casale (1988, p. 251, figs 333-334) , the species has been attributed to the *juvencus*-group as based on the structure of the aedeagus. A restudy of the holotype of *P. kraatzi* (“, labelled Kraatzi Heyd., coll. Kraatz, Typus; Holotypus, coll. DEI Eberswalde) has revealed that its aedeagus is characteristic of the *tianschanicus*-group, with a developed apical disk. By all the main peripheral features, *P. kraatzi* is very close to *P. kulti* Jedl., the latter taxon known but from 1” deriving from Turkestan. Yet *P. kulti* is smaller and considerably more slender, probably also attributable to the *tianschanicus*-group (I. Kabak, T. Vereschagina) .

370 A restudy of the types of both taxa (Holotypus *P. fassatii* Jedl., “, in MNP; Holotypus *P. striatipennis* Casale, m, in NHMW) as well as of abundant additional materials has revealed the following. *P. striatipennis*, originally described from Wernyi (= Almaty) , is absent from the repeated collections taken during the last few decades from the central part of Zailiisky Alatau Mt. Range. All known specimens similar to the type originate from the W extreme of Kunguei Alatoo Mt. Range (Kalmakashu, Chon-Kemin, Boomskoe gorges) . From the typical *P. fassatii* deriving from the Inner Tian-Shan, *P. striatipennis* differs by the more distinct elytral striae and more strongly convex intervals. On the average, the body in *P. striatipennis* is more strongly elongate and flattened, and the furrows on the tibiae are more faint. Yet all these characters are highly variable, thus insecure. Populations with intermediate characters occur in the western Terskei Alatoo Mt. Range from the village of Kochkorka and the Karakudzhur River canyon to Tamga River. Hence *P. striatipennis* ought to be considered as a subspecies of *P. fassatii* (T. Vereschagina, I. Kabak) .

371 *P. reichardti* has been originally described by Lutshnik (1930) from 1” deriving from the NE bank of Lake Kara-Kul. Having studied 2” 2” from Altyn (Coll. Conradt) as well as 1” from Ssujuk, Casale (1988) has considerably improved the description and diagnosis of that species belonging to the *tianschanicus*-group. At the same time, Casale (1988) has described *P. hiekei* (2” from Polu, Kunlun Shan, Coll. Conradt) , close to *P. reichardti*, as well as *P. humilis* (1” from Alai Mts, coll. Aris) , the latter taxon referred to the *parvulus*-group. A restudy of the holotypes of both *P. reichardti* and P. humilis coupled with a (re) examination of the abundant materials (kept in ZISP) managed by Grombczewski in the western Kunlun Shan and eastern Pamirs (including 2” from Polu, captured perhaps even together with the types of *P. hiekei*) and by Aris and some other collectors in the Alai Mts has led us to the conclusion that all these three name actually belong to a single species. This species is quite variable in size, coloration, head and pronotal proportions, shape of the lateral margin, fore and rear angles of the pronotum, basal margin of the elytra as well as in the punctuation of the elytral striae and even in the degree of development of the apical disk of the aedeagus. The extremes, which differ considerably from each other, therewith display an uninterrupted series of intergrades. The pronounced individual variability coupled with the absence of any distinct geographical restrictions of the forms close to the *P. reichardti*, *P. humilis* and *P. hiekei* types do not allow to outline even subspecies. Studied material: Holotypus “ *Taphoxenus humilis* n. sp. (= *parvulus* Jedl. nec Sem.) 1983 A. Casale det.; Alai-Geb. C. Aris; *parvulus* Sem. det. Ing. Jedliᵒka (MNP) ; Holotypus P. reichardti Lutshnik “ Pamirs, NE bank of Lake Kara-Kul 15.VII.28 Reichardt; Monotypus; *Taphoxenus reichardti* m. V. Lutshnik det. (ZISP) ; “ Turkestan or Transcaspian region from Aris; “ Turkestan, Alai; “ Turkestan, Aksa; “ Takhrakhan 14.VII.1990 Exp. Grombczewski; 1” 2” same 20.VII.90; 5” 7” 15.VIII.90 Gromb. Kul; 1” 2” Upper reaches of River Pakhpu 14-27.VII.90 Grombczewski; 1” 2” 20.VII.90 Gr. Pakhpu; 1” 31.VII.88 Gr. Pamir; 1” 20.VIII.90 Gromb. Tor-aus; 1” Polu 13.V.-5.VI.90 Grombczewski, 1” same 1.VI.90; 2” 6.VII.90 Gromb. (?Usmash... - difficult to read) ; 1” 4.IX.90 Gromb. Arlalyr; 1” Alai Valley, Nura 19.VII.960 Lopatin; 1” Alai 1889 Grombczewski; 1” Alai Valley, 18 km W Irkeshtam 9.VI.965 Lopatin; 1” same, 16-18 km W Irkeshtam, Kalta-Bulak, 9-10.VI.1965 Lopatin; 1” Irkeshtam 22.IV.04 Aris; 1” Alai Mt. Range, 108 km from Sufi-Kurgan 1650 m 4.VII.65 Lopatin; 2” Pamirs, Bartang, Basid 17.VIII.965 ?Mikhailov; all in ZISP (T. Vereschagina, I. Kabak) .

372 *P. kulti* Jedl. was described from 1” from Turkestan without further, more precise, indications. Casale (1988) referred this species to the *juvencus*-group. A restudy of the holotype (“, labelled Typus; Turkestan; *Kulti* sp.n. det. Ing. Jedliᵒka; Mus. Nat. Pragae, inv. 20452, in MNP) has revealed that it is close to *P. kraatzi* Heyd. and very close to *P. kavani chamzaabedensis* Casale. Both taxa are referred to the tianshanicus-group. It seems probable that all three names belong to subspecies of a single species. Yet too scant material does not allow to ultimately solve the riddle (T. Vereschagina, I. Kabak) .

373 As soon as Casale's (1988) monograph appeared a bit earlier than the 1988 paper by Vereschagina, and since the fact of identity of *P. collaris pseudocollaris* Casale and *T. kabaki* Ver. is unquestioned, the synonymy must be formalized: *P. collaris pseudocollaris* Casale 1988 = *P. kabaki* (Vereschagina 1988) . Judged from Vereschagina's opinion that *P. kabaki* is an independent species displaying no transitional forms with and yet close to *P. collaris*, we prefer to allot *P. pseudocollaris* full specific rank (I. Kabak, T. Vereschagina) .

374 A restudy of both the type of *P. jureceki* Jedl. 1952 (kept in MNP) and the type series of *Taphoxenus kryzhanovskii* Ver. 1988 (nec Casale 1988) (kept in ZISP) has allowed to synonymize the latter taxon under the former one. The species populates the Kirghizsky Alatau Mt. Range (Tashdebe, near Bishkek) , Chu-Iliiskye Mts (Krasnogorka) , the lowland and foothill valleys of the Zailiisky Alatau Mt. Range from the Kaskelen River to the Kiik-Bay Canyon. In the central part of Zailiisky Alatau Mt. Range, this species is sympatric with *P. pseudocollaris* Casale 1988, thus confirming that *P. jureceki* is a separate species.A restudy of both holo- (“) and paratype (“) of *P. ganglbaueri* (kept in NHMW) has revealed that by all characters these specimens lie within the variation range of *P. jureceki*, hence *P. ganglbaueri* is just another synonym of *P. jureceki* (T. Vereschagina, I. Kabak) .

= (*tilesii (Pseudotaphoxenus dauricus, syn.)* MOTSCHULSKY 1844) [non FISCHER von WALDHEIM 1823]
= *ussuriensis (Pseudotaphoxenus dauricus, syn.)* JEDLIᵃKA 1953
ssp. (***tillesii (Pseudotaphoxenus dauricus, ssp.)*** FISCHER von WALDHEIM 1823) ----------MNO----T------
= (*parallelus (Pseudotaphoxenus dauricus, syn.)* DEJEAN 1828)
= *incognitus (Pseudotaphoxenus dauricus, syn.)* JEDLIᵃKA 1952
= *borulcini (Pseudotaphoxenus dauricus, syn.)* JEDLIᵃKA 1964
ssp. (***laticollis (Pseudotaphoxenus dauricus, ssp.)*** DEJEAN 1828) --------------O--R-T------
49 ***horvathi (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ---D----------------------
50 (***ovalis (Pseudotaphoxenus)*** MOTSCHULSKY 1844) --------------O----------
51 ***susterai (Pseudotaphoxenus)*** JEDLIᵃKA 1952 ?D ?O: described from Russia mer, only 1f

The *'rugipennis'* species group sensu CASALE 1988

52 (***rugipennis (Pseudotaphoxenus)*** FALDERMANN 1835) ------------------TUV----
= *punctipennis (Pseudotaphoxenus)* JEDLIᵃKA 1952
= *popoffkini (Pseudotaphoxenus rugipennis, syn.)* SCHAUFUSS 1865
= *rugulosus (Pseudotaphoxenus)* SCHAUBERGER [nom. nud.]
= *aimaki (Pseudotaphoxenus)* JEDLIᵃKA 1964
= *eiregi (Pseudotaphoxenus)* JEDLIᵃKA 1964
= *altaicus (Pseudotaphoxenus)* JEDLIᵃKA 1968
= *punctulatus (Pseudotaphoxenus rugipennis, syn.)* JEDLIᵃKA 1952
= *pfefferi (Pseudotaphoxenus)* JEDLIᵃKA 1964

Genus ***Stenolepta*** SEMENOV 1889

Type species: *Stenolepta cylindrica* SEMENOV 1889

1 ***cylindrica (Stenolepta)*** SEMENOV 1889 ---------------PQ---------
2 ***transcaspica (Stenolepta)*** SEMENOV 1889 ----------------Q---------

Genus ***Taphoxenus*** MOTSCHULSKY 1864

Type species: *Sphodrus gigas* FISCHER von WALDHEIM 1823

Subgenus ***Taphoxenus*** MOTSCHULSKY 1864

Type species: *Sphodrus gigas* FISCHER von WALDHEIM 1823

1 ***transmontanus (Taphoxenus)*** SEMENOV 1908 **Comb. nov.**[375] ----------------R-------- Rb
= *montanus (Taphoxenus)* CASALE 1988 **Syn. nov.**
2 (***gigas (Taphoxenus)*** FISCHER von WALDHEIM 1823) --CD-F-------NOP---T------
= (*schrenkii (Taphoxenus)* GEBLER 1843)
= (*grandis (Taphoxenus)* MOTSCHULSKY 1844)
= *grossus (Taphoxenus gigas, syn.)* SCHAUFUSS 1865
= *interstitialis (Taphoxenus)* SCHAUFUSS 1865
= *jacobsoni (Taphoxenus)* JEDLIᵃKA 1952
= *caucasicus (Taphoxenus gigas, syn.)* JEDLIᵃKA 1952
= *punctatostriatus (Taphoxenus)* JEDLIᵃKA 1953
= *russicus (Taphoxenus)* JEDLIᵃKA 1957
= *giganteus (Taphoxenus)* JEDLIᵃKA 1957
= *darjensis (Taphoxenus)* JEDLIᵃKA 1952
3 ***alatavicus (Taphoxenus)*** SEMENOV 1908 ----------------R-------- Rab
ssp. ***alatavicus (Taphoxenus alatavicus, ssp.)*** SEMENOV 1908 ----------------R--------
= (*reitteri (Taphoxenus alatavicus, syn.)* JEDLIᵃKA 1952) [part.]
ssp. ***acutangulus (Taphoxenus alatavicus, ssp.)*** SEMENOV 1908 ----------------R-------- Rb
= (*reitteri (Taphoxenus alatavicus, syn.)* JEDLIᵃKA 1952) [part.]
4 (***goliath (Taphoxenus)*** FALDERMANN 1836) --------------OPQ-S-------
= *goliathus (Taphoxenus)* SCHAUFUSS 1865
= *gracilicollis (Taphoxenus)* SEMENOV 1889
5 ***trochanteratus (Taphoxenus)*** VAN EMDEN 1954 ----------------Q---------

Subgenus ***Lychnifugus*** MOTSCHULSKY 1864

Type species: *Carabus cellarum* ADAMS 1817

6 (***cellarum (Taphoxenus)*** ADAMS 1817) ------GHIJ-----P----------
ssp. (***cellarum (Taphoxenus cellarum, ssp.)*** ADAMS 1817) ------GHI------P---------- Gc2Pa
= (*longicollis (Taphoxenus cellarum, syn.)* FISCHER von WALDHEIM 1823)
ssp. ***talyschensis (Taphoxenus cellarum, ssp.)*** JEDLIᵃKA 1952 ---------J----------

Genus ***Reflexisphodrus*** CASALE 1988

Type species: *Pseudotaphoxenus refleximarg* REITTER 1894

1 (***formosus (Reflexisphodrus)*** SEMENOV 1895) ----------------------V---- Vcd
2 (***refleximargo (Reflexisphodrus)*** REITTER 1894) ------------------T------ Tg

Genus ***Sphodrus*** CLAIRVILLE 1806

Type species: *Carabus planus* FABRICIUS 1792

1 (***leucophtalmus (Sphodrus)*** LINNAEUS 1758) ABCD--G-I----------------
= (*obsoletus (Sphodrus)* ROSSI 1790)
= (*spiniger (Sphodrus)* PAYKULL 1790)
= (*planus (Sphodrus)* FABRICIUS 1792)

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375 A restudy of the type series of *Taphoxenus transmontanus* Sem., of the holotype of *Pseudotaphoxenus montanus* Casale as well as of a small additional material has revealed the following:(1) *T. transmontanus* Sem., referred by Casale (1988) to the genus *Pseudotaphoxenus*, is in fact a member of *Taphoxenus*. This opinion is supported by the simple male protarsi devoid of adhesive hairs as well as by the structure of the aedeagus, the lamella of which is elongate and flattened. The illustration of the aedeagus as given by Casale (1988: 302, figs 419-420) disagrees with the micropreparation accompanying the lectotype of *T. transmontanus*.(2) The species appears to be highly variable in habitus. Among the specimens (re) studied, there are various kinds of intergradation between the extreme forms, differing from each other in body and eye size, the degree of convexity of the genae, the profoundness of the notch at the pronotal side margin, the extent of protrusion of the pronotal caudal angles and the degree of punctuation of the elytral striae. Hence all the characters mentioned by Casale in the original description of *T. montanus* lie within the variation range of *T. transmontanus*. Specimens particularly close to the *T. montanus* type derive from the environs of Kuldzha and Narynkol (the latter is situated ca. 20 km away from the locus typicus) , while 1" close to *T. transmontanus* has been captured in Kyrghyz-Sai in the western Ketmen Mt. Range. The other samples similar to the types of *T. transmontanus* have been discovered in the Chinese part of Tian-Shan Mts. Hence character variations seem to display no correlation with the geographical distribution of these forms. In addition, all three specimens that served the basis for Semenov's description, although collected at one place and the same date, are rather different in proportions. Therefore, material at hand allows no conservation of the name *montanus* Casale even as subspecific:ype material: Holotypus *Taphoxenus montanus* Casale, ", Thian-S. Musart (NHMW) ; Lectotypus *Taphoxenus transmontanus* Semenov, 1", 2-6.V.03 Exp. Märzbacher, paralectotypus 1", labelled as lectotype, 1" Suchan and Messelik, 2-6.V.03 Exp. Märzbacher (ZISP) . Other material studied: 1" Aksu, Tochak 12.V.91 Rückbeil; 1" Pilutshi Riv, N from Kuldzha, Regel IV.1879; 1" Semiretsch., Kyrghyz-Sai valley 2/2.V.910 Rückbeil; 1" SE Kazakhstan, Tekes V. env. Narynkol 8-12 June 1992 S. & S. Kazantsev. Male genitalia have been examined. (3) From the territory of the former Soviet Union, *T. montanus* Sem. is being reported here for the first time (T. Vereschagina, I. Kabak) .

= *armeniacus (Sphodrus)* OSCULATI 1844
= *brunneus (Sphodrus)* LETZNER 1851
= *indus (Sphodrus)* CHAUDOIR 1852
= *siculus (Sphodrus)* MOTSCHULSKY 1864

Genus ***Eremosphodrus*** SEMENOV 1908

Type species: *Eremosphodrus caspius* SEMENOV 1909

Subgenus ***Erempsphodrus*** SEMENOV 1908

Type species: *Eremosphodrus caspius* SEMENOV 1909

1 (***rotundicollis (Eremosphodrus)*** REITTER 1894) ----------P----------
= *caspius (Eremosphodrus)* SEMENOV 1909

Subgenus ***Rugisphodrus*** CASALE 1988

Type species: *Eremosphodrus dvorshaki* CASALE et VERESCHAGINA 1962

2 ***dvorshaki (Eremosphodrus)*** CASALE et VERESCHAGINA 1986 ----------PQ---------

Genus ***Laemostenus*** BONELLI 1810

Type species: *Carabus janthinus* DUFTSCHMID 1812
= *Laemosthenus* auct.

Subgenus ***Laemostenus*** BONELLI 1810

Type species: *Carabus janthinus* DUFTSCHMID 1812

The ***'complanatus'*** species group

1 (***caspius (Laemostenus)*** MÉNÉTRIÉS 1832) ------G-IJ-----P---------- GcPa
= *kalardachti (Laemostenus)* JEDLIªKA 1968

The ***'venustus'*** species group

2 (***venustus (Laemostenus)*** DEJEAN 1828) ----E-G------------------- Ga1
= *coeruleus (Laemostenus)* BONELLI [nom. nud.]
= *crenatus (Laemostenus)* L.REDTENBACHER 1843

Subgenus ***Antisphodroides*** CASALE 1988

Type species: *Antisphodrus koenigi* REITTER 1887

3 (***koenigi (Laemostenus)*** REITTER 1887) ------G------------------- Gab
= *circassicus (Laemostenus)* REITTER 1887
4 ***tschitscherini (Laemostenus)*** SEMENOV 1908 ------G------------------- Ga1
5 ***ljovushkini (Laemostenus)*** VERESCHAGINA 1985 ------G------------------- Gb4
6 (***suramensis (Laemostenus)*** REITTER 1885) ------G------------------- Gb24

Subgenus ***Stenosphodrus*** CASALE 1988

Type species: *Antisphodrus leptoderus* REITTER 1892

7 (***leptoderus (Laemostenus)*** REITTER 1892) ----------S------- Margelan

Subgenus ***Microsphodrus*** CASALE 1988

Type species: *Antisphodrus extensus* HEYDEN 1884

8 (***extensus (Laemostenus)*** HEYDEN 1884) ----------S------- Sa: E part of Alai Mt.R.
9 (***tacitus (Laemostenus)*** DVO¿´K 1982) ----------R-------- Re
ssp. ***ledouxianus (Laemostenus tacitus, ssp.)*** DEUVE 1993[376] ----------R-------- Re: Pskemsky Mt.R., Ispaisay
10 (***loudai (Laemostenus)*** DVO¿´K 1982) ----------R-------- Rb: Kirghizsky Mt.R.
11 ***janczyki (Laemostenus)*** CASALE 1988 ----------R-------- Re
12 (***visai (Laemostenus)*** DVO¿´K 1982) ----------R-------- Re
13 ***dolini (Laemostenus)*** KABAK 1992 ----------R-------- Rb: Zailiisky Alatau, Lake Bol. Alma-Atinskoe
14 ***rimmae (Laemostenus)*** DEUVE 1993 ----------R-------- Re: Aksu-Dzhebagly Reserve

Subgenus ***Antisphodrus*** SCHAUFUSS 1865

Type species: *Sphodrus schreibersii* KÜSTER 1846

The ***'jailensis'*** species group

15 ***jailensis (Laemostenus)*** BREIT 1914 ----E----------

The ***'bicolor'*** species group

16 (***bicolor (Laemostenus)*** REITTER 1890) --------I---------- Ib: Ordubad

Subgenus ***Pristonychus*** DEJEAN 1828

Type species: *Carabus terricola* HERBST 1783

The ***'pretiosus'*** species group

17 (***mannerheimi (Laemostenus)*** KOLENATI 1845) -------HI----------
= *cyanipennis (Laemostenus)* SCHAUFUSS 1865
18 (***pretiosus (Laemostenus)*** FALDERMANN 1836) ------G-I---------- Gb234Hb
= *amoenus (Laemostenus)* FISCHER von WALDHEIM 1844
19 ***gratus (Laemostenus)*** FALDERMANN 1836 -------HIJ----------
= *angustatus (Laemostenus gratus, syn.)* FALDERMANN 1838
= *caucasicus (Laemostenus gratus, syn.)* CHAUDOIR 1846
= *mannerheimi (Laemostenus gratus, syn.)* SCHAUFUSS 1865 [non KOLENATI 1845]
20 (***sericeus (Laemostenus)*** FISCHER von WALDHEIM 1823) ----E-G-I----------
ssp. (***sericeus (Laemostenus sericeus, ssp.)*** FISCHER von WALDHEIM 1823) ------G------------------- Ga12Gb12
= *longulus (Laemostenus sericeus, syn.)* MOTSCHULSKY 1850
= *miniatus (Laemostenus sericeus, syn.)* SCHAUFUSS 1865
= *planiusculus (Laemostenus sericeus, syn.)* MOTSCHULSKY 1850
ssp. ***hepaticus (Laemostenus sericeus, ssp.)*** FALDERMANN 1836 ------G------------------- Gc
= *armeniacus (Laemostenus sericeus, syn.)* OSCULATI 1844
= *convexus (Laemostenus sericeus, syn.)* KOLENATI 1845
= *convexiusculus (Laemostenus sericeus, syn.)* MOTSCHULSKY 1850
= *quadratus (Laemostenus sericeus, syn.)* MOTSCHULSKY 1850

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376 *Laemostenus (Microsphodrus) ledouxianus* Deuve 1993 has been described from 1" deriving from the Pskemsky Mt. Range (environs of the village of Ispai) . A study of abundant topotypic materials has revealed that not a single significant difference exists between that population and *L. tacitus* (Dvo®ák 1982) , the latter taxon a common species in the Chimgan Mts. Hence at the moment *L. ledouxianus* must be regarded at best as a poorly differentiated subspecies of *L. tacitus* (Dvo®ák) . We hope to return to the problem of the identity of that form on a later occasion (I. Kabak) .

ssp. ***piceus (Laemostenus sericeus, ssp.)*** MOTSCHULSKY 1850 ------GH---------- GcHc
ssp. ***tauricus (Laemostenus sericeus, ssp.)*** DEJEAN 1828 ----E----------
? *inaequalis (Laemostenus sericeus, syn.)* FISCHER von WALDHEIM 1823
? *cyanipennis (Laemostenus sericeus, syn.)* ESCHSCHOLTZ 1818
= *gratus (Laemostenus sericeus, syn.)* SCHAUFUSS 1865 [non FALDERMANN 1835]
= *cyanipennis (Laemostenus sericeus, syn.)* DEJEAN 1828
= *koeppeni (Laemostenus sericeus, syn.)* MOTSCHULSKY 1864
= *schirmeri (Laemostenus sericeus, syn.)* CHAUDOIR 1859
= *nitidus (Laemostenus sericeus, syn.)* SCHAUFUSS 1865
21 (***lederi (Laemostenus)*** REITTER 1885) -------H-J----------
= *elegans (Laemostenus)* O.SCHNEIDER et LEDER 1878 [non DEJEAN 1828]
22 (***onthoporus (Laemostenus)*** KHNZORIAN 1957) [377] --------I----------
23 ***khnsoriani (Laemostenus)*** KALASHIAN 1983[378] --------I----------
24 ***arenicus (Laemostenus)*** KALASHIAN 1979 --------I----------

The *'turkestanicus'* species group

25 ***turkestanicus (Laemostenus)*** SEMENOV 1891 ----------S-------
= *explanatus (Laemostenus)* REITTER [nom. nud.]
= *expansus (Laemostenus)* REITTER [nom. nud.]
26 ***sanguinipes (Laemostenus)*** KRYZHANOVSKIJ et MICHAILOV 1975 ----------S-------

The *'conradti'* species group

27 ***petrimagni (Laemostenus)*** KRYZHANOVSKIJ et MICHAILOV 1975 ----------S-------
28 ***badakshanus (Laemostenus)*** KRYZHANOVSKIJ 1972 ----------S-------
29 ***conradti (Laemostenus)*** SEMENOV 1891 ----------S-------

The *'terricola'* species group

30 (***terricola (Laemostenus)*** HERBST 1783) ABCDEFG----L----------
= (*subcyaneus (Laemostenus)* ILLIGER 1801)
= (*inaequalis (Laemostenus)* PANZER 1796)
= *episcopus (Laemostenus)* DRAPIEZ 1819
= *marginatus (Laemostenus)* DESCOURTILZ 1825
? *sardeus (Laemostenus)* DEJEAN et BOISDUVAL 1830
= *subterraneus (Laemostenus)* DEJEAN 1831
= *lithuanicus (Laemostenus)* MOTSCHULSKY 1810
= *genuinus (Laemostenus terricola, syn.)* LETZNER 1851
= *coerulescens (Laemostenus terricola, syn.)* LETZNER 1851
= *brunnipes (Laemostenus terricola, syn.)* LETZNER 1851
= *discordatus (Laemostenus terricola, syn.)* LETZNER 1851
= *subaequalis (Laemostenus)* SCHAUFUSS 1865
= *reichenbachii (Laemostenus)* SCHAUFUSS 1861
= *cyanescens (Laemostenus terricola, syn.)* FAIRMAIRE 1861
= *baeticus (Laemostenus)* SCHAUFUSS 1865 [non RAMBUR 1837]
= *torressalai (Laemostenus terricola, syn.)* COIFFAIT 1956
= *castillanus (Laemostenus terricola, syn.)* COIFFAIT 1956
= *silvaticus (Laemostenus terricola, syn.)* COIFFAIT 1956
31 ***tychyi (Laemostenus)*** KULT 1946 ---D----------
32 (***cimmerius (Laemostenus)*** FISCHER von WALDHEIM 1823) ----E----------
= *elegans (Laemostenus)* BRULLÉ 1832
= *majour (Laemostenus)* BRULLÉ 1834
= *suturalis (Laemostenus)* BRULLÉ [nom. nud.]
= *cinnamomeus (Laemostenus)* E.FRIVALDSZKY [nom. nud.]
= *fiorii (Laemostenus cimmerius, syn.)* LEONI 1907
= *curtulus (Laemostenus)* REITTER 1884 [non MOTSCHULSKY 1837]

Tribe [379] *PLATYNINI*

= *AGONINI*

= *ANCHOMENINI*

Subtribe *PLATYNINI*

Genus ***Sericoda*** KIRBY 1837
Type species: *Sericoda bembidioides* KIRBY 1837
= *Rhytiderus* CHAUDOIR 1844
Type species: *Dromius decempunctatus* REICHE 1842 [= *S.bembidionoides* KIRBY 1837]
= *Tanystoma* REITTER 1907 [non MOTSCHULSKY 1845] [380]
Type species: *Carabus quadripunctatus* DE GEER 1774

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377 Apparently, this is only a synonym of the preceding species. *L. lederi* is widespread in Transcaucasia ranging from the Armenian Upland to Zuvant. Besides, it displays a pronounced individual variability (I. Belousov, T. Vereschagina) .

378 On the average, both *Laemostenus* described by Kalachian differ from *L. lederi* (Rtt.) , yet obviously representing the latter taxon's geographical or even ecological races. Their relationships resemble those between the largely epigean *L. koenigi* and the cave-dwelling *L. tschitscherini* (I. Belousov, T. Vereschagina) .

379 The taxonomy of the Platynini is rather vague and intricate (Kryzhanovskij, 1994, 1995) . Some genera are treated traditionally in a very broad sense, for example *Agonum* (s. lato) and *Colpodes* (s. lato) , which are typical genera of convenience. A few authors subdivided them into more natural groups (Jeannel, 1942; Darlington, 1952; Basilewsky, 1985) , but Habu (1978) included in *Agonum* a lot of very different supraspecific taxa such as *Agonum* (s. str.) , *Sericoda* Kirby, *Metacolpodes* Jeannel, *Loxocrepis* Eschscholtz, etc. Liebherr (1991) includes in *Anchomenus* (sensu novo) several fairly diverse groups: *Anchomenus* Bonelli, *Anchodemus* Motschulsky, *Chlaeniomimus* Semenov and *Nipponanchus* Habu. Kryzhanovskij (1995) prefers to consider these taxa as distinct genera. A rational classification of the Palaearctic Platynini is a highly interesting but an extremely difficult problem (O. L. Kryzhanovskij) .

380 *Tanystoma* Motsch. 1845 (type-species: *Anchomenus striatus* Dej.) encompasses four species populating the western USA, mainly California. Liebherr (1985) considers it as a separate genus. In 1850, Motschulsky renamed his *Tanystoma* into *Tanystola*, erroneously thinking it preoccupied. Without fair reason, Reitter (1907) used the name *Tanystoma* for Palearctic *Agonum*, later changing the latter name for *Agonodromius* (V. Shilenkov) .

= *Agonodromius* REITTER 1908

Type species: *Carabus quadripunctatus* DE GEER 1774

1 (***quadripunctatum (Sericoda)*** DE GEER 1774) ABC-------KLMN---R-TUVWXYZ
= (*foveolatum (Sericoda)* ILLIGER 1802)
= (*cupratum (Sericoda)* STURM 1824)
= (*octacopus (Sericoda)* MANNERHEIM 1853)
= *stigmosus (Sericoda)* LECONTE 1854
= *ambiguus (Sericoda)* MOTSCHULSKY 1857
= *nigrosericans (Sericoda)* HELLER 1923

2 (***bogemanni (Sericoda)*** GYLLLENHAL 1813) -BC-------KLM------TU-WX-Z
= (*costulatum (Sericoda)* MOTSCHULSKY 1864) **Syn. nov.**[381]
= (*obsoletum (Sericoda)* SAY 1823)
= (*luctuosum (Sericoda)* DEJEAN 1828)
= *strigicolle (Sericoda)* MANNERHEIM 1852
= *invidiosum (Sericoda)* CASEY 1918
= *insulinum (Sericoda)* CASEY 1918
= *tacomae (Sericoda)* CASEY 1918

Genus ***Agonum*** BONELLI 1810

Type species: *Carabus marginatus* LINNAEUS 1758

Subgenus ***Agonum*** BONELLI 1810

Type species: *Carabus marginatus* LINNAEUS 1758

1 (***atratum (Agonum)*** DUFTSCHMID 1812) -B-D-F-------NO----------
= *makolskii (Agonum)* ROUBAL 1935

2 ***bodemeyeri (Agonum)*** REITTER 1907 ------GH-----------------

3 ***brachyderum (Agonum)*** CHAUDOIR 1850 --------I-----------------

4 ***rugicolle (Agonum)*** CHAUDOIR 1846 ------G-------------------
= *birthleri (Agonum)* HOPFFGARTEN 1888

5 (***dolens (Agonum)*** C.R.SAHLBERG 1827) -BCD------KLMNO--R-TUV--Y-
= *olivaceum (Agonum)* DEJEAN 1828
= *latipenne (Agonum)* DEJEAN 1828
= *triste (Agonum)* DEJEAN 1828
= *subtile (Agonum)* MOTSCHULSKY 1844 **Syn. nov.**
= *molestum (Agonum)* MOTSCHULSKY 1845 **Syn. nov.**[382]

6 (***cuprescens (Agonum)*** MOTSCHULSKY 1860) [383] ----------------------X--
= *impressostriatum (Agonum)* MOTSCHULSKY 1864
= *stocki (Agonum)* REITTER 1907

7 (***ericeti (Agonum)*** PANZER 1809) -BCD-------L--------------
= *bifoveolatus (Agonum)* C.R.SAHLBERG 1827

8 ***extensum (Agonum)*** MÉNÉTRIÉS 1849 ---D-F--I-----OP----------
= *chalconotum (Agonum)* CHAUDOIR 1846
= *viridescens (Agonum)* REITTER 1887
= *stenoderum (Agonum)* CHAUDOIR 1850
= *lucidulum (Agonum)* SCHAUM 1857

9 (***gracilipes (Agonum)*** DUFTSCHMID 1812) ABCDEFG----LMNO--RSTUV-XY-

10 ***hexacoelum (Agonum)*** CHAUDOIR 1850 ------G-I-----------------

11 ***longicorne (Agonum)*** CHAUDOIR 1846 A--D----I---------S-------
= *holdhausi (Agonum)* APFELBECK 1904

12 ***angustatum (Agonum)*** DEJEAN 1828 ----E---------------------
= *gisellae (Agonum)* CSIKI 1931

13 ***hypocrita (Agonum)*** APFELBECK 1904 A-C----------------------

14 (***impressum (Agonum)*** PANZER 1797) ABCD------K-MNO----TUV--YZ
= *splendidulum (Agonum)* MOTSCHULSKY 1844

15 ***jankowskii (Agonum)*** LAFER 1992 ----------------------Y-

16 ***ladakense (Agonum)*** H.BATES 1878 ------------------S-------

17 (***lugens (Agonum)*** DUFTSCHMID 1812) A-CDEF--I----NOP---T------
= *longipenne (Agonum)* MANNERHEIM 1844

18 ***makolskii (Agonum)*** ROUBAL 1935 A------------------------

19 ***mandli (Agonum)*** JEDLIªKA 1933 --------------------UV--Y-
= *babai (Agonum)* HABU 1973

20 (***marginatum (Agonum)*** LINNAEUS 1758) ABCD-FG-------------------

21 ***duftschmidi (Agonum)*** SCHMIDT 1994 ABCD-FGH----MNO-----------
= (*moestum (Agonum)* DUFTSCHMID 1812) [non GMELIN in LINNAEUS 1790]
= (*emarginatus (Agonum)* GYLLLENHAL 1827)

22 ***mongolicum (Agonum)*** SHILENKOV 1984 ----------------------V---- Vd

23 (***muelleri (Agonum)*** HERBST 1784) ABCD-FG---K-MN------------
= (*parumpunctatus (Agonum)* FABRICIUS 1801)
= *hardyi (Agonum)* LECONTE 1879

24 ***nigrum (Agonum)*** DEJEAN 1828 ---DEF----------R-------- Ra

25 ***nitidum (Agonum)*** MOTSCHULSKY 1844 ----------K--N-----TUVWX--
= *warnieri (Agonum)* REITTER 1907 [part.]

26 ***quinquepunctatum (Agonum)*** MOTSCHULSKY 1844 ----------K--------TUVWXY-

27 (***sahlbergi (Agonum)*** CHAUDOIR 1850) -B---------------RSTUV----
= *archangelicum (Agonum)* J.SAHLBERG 1875

28 (***sculptipes (Agonum)*** H.BATES 1883) ----------------------V--YZ
= *sculptile (Agonum)* REITTER 1907
= *sutschanense (Agonum)* JEDLIªKA 1958

29 (***sexpunctatum (Agonum)*** LINNAEUS 1758) ABCD-FG---K-MNOPQR-TUV--Y-
= *montanum (Agonum)* HEER 1838

30 ***sordidum (Agonum)*** DEJEAN 1828 ----E---------------------

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381 Omitted in Liebherr's (1991) revision of *Sericoda*. A restudy of the type has revealed that it actually belongs to the widespread Holarctic species *A. bogemanni* Gyll. (V. Shilenkov) .

382 The specimens from the type series originating from Transbaikalia and Kamchatka agree fully with *A. dolens* C. R. Sahlb. (V. Shilenkov) .

383 A restudy of the types deriving from Kamchatka has revealed that the species is most closely related to *A. nitidum* Motsch., yet resembling *A. dolens* C. R. Sahlb. by a number of characters. The same form from Kamchatka was identified by Motschulsky as *A. carbonarium* Dej. To provide an ultimate solution concerning its identity, additional materials from northeastern Siberia ought to be considered (V. Shilenkov) .

31 (***suavissimum (Agonum)*** H.BATES 1883) ----------YZ
32 (***versutum (Agonum)*** STURM 1824) ABCD------K-MN-----TUV----
= *lugubre (Agonum)* DUFTSCHMID 1812
= *laeve (Agonum)* DEJEAN 1828
33 (***viduum (Agonum)*** PANZER 1797) ABCD-FGH--KLMNO--R-TU-W--- Ra
= (*obscurus (Agonum)* PAYKULL 1790) [non HERBST 1784]
= *chalconotum (Agonum)* MÉNÉTRIÉS 1832
= *coerulescens (Agonum)* MOTSCHULSKY 1844 **Syn. nov.**[384]
34 (***viridicupreum (Agonum)*** GOEZE 1777) A-CDEFG-I---MN---RST------
= *modestum (Agonum)* STURM 1824
ssp. ***cuprinum (Agonum viridicupreum, ssp.)*** MOTSCHULSKY 1844 ---D----I----N-----T------
ssp. ***tschitscherini (Agonum viridicupreum, ssp.)*** SEMENOV 1894 ----------RS-------
ssp. ***chrysopraseum (Agonum viridicupreum, ssp.)*** MÉNÉTRIÉS 1832 ------G----------

Subgenus ***Liebherrius*** SHILENKOV [385] **Subgen. nov.**

Type species: *Agonum bicolor* DEJEAN 1828

35 ***alpinum (Agonum)*** MOTSCHULSKY 1844 -B---------L-------TUV----
36 ***bicolor (Agonum)*** DEJEAN 1828 ----------K--------TU--XYZ
37 ***jemelianovi (Agonum)*** LAFER 1992 ----------Y-
38 ***fallax (Agonum)*** A.MORAWITZ 1862 ----------V--YZ
= *jureceki (Agonum)* JEDLIªKA 1940
= *chuji (Agonum)* JEDLIªKA 1955

Subgenus ***Europhilus*** CHAUDOIR 1859

Type species: *Agonum micans* NICOLAI 1822

39 (***antennarium (Agonum)*** DUFTSCHMID 1812) A----------
40 (***subtruncatum (Agonum)*** MOTSCHULSKY 1860) ----------WXYZ
= *flavipes (Agonum)* MOTSCHULSKY 1864
= *jezoanum (Agonum)* NAKANE 1961
41 (***consimile (Agonum)*** GYLLLENHAL 1810) -B--------K---------UVWXYZ
= *boreale (Agonum)* MOTSCHULSKY 1844 **Syn. nov.**[386]
= *fragile (Agonum)* MANNERHEIM 1853
= *invalidum (Agonum)* CASEY 1918
42 (***exaratum (Agonum)*** MANNERHEIM 1853) -B----------W---
= *aldanicus (Agonum)* POPPIUS 1906
43 (***fuliginosum (Agonum)*** PANZER 1809) -BCD------KLMNO----TUVWXYZ
= *minutum (Agonum)* MOTSCHULSKY 1845 **Syn. nov.**[387]
= *castaneipennis (Agonum)* MOTSCHULSKY 1844 **Syn. nov.**[388]
44 (***gracile (Agonum)*** STURM 1824) ABCD-F----KLMN-----TUV-XYZ
= *atratum (Agonum)* STEPHENS 1828
= (*odlongum (Agonum)* DEJEAN 1831)
= *latvicus (Agonum)* BARSEVSKIS 1993 **Syn. nov.**[389] -B----------
45 ***jurecekianum (Agonum)*** JEDLIªKA 1952 ----------Y-
46 ***micans (Agonum)*** NICOLAI 1822 ABCD------K-MNO----TUV----
= (*pelidnum (Agonum)* DUFTSCHMID 1812) [non PAYKULL 1792]
47 (***munsteri (Agonum)*** HELLÉN 1935) -B----------U-W---
48 (***piceum (Agonum)*** LINNAEUS 1758) ABCD------K-MN-----TUV--YZ
= (*picipes (Agonum)* FABRICIUS 1787)
= (*lutescens (Agonum)* PANZER 1796)
= *fuscipenne (Agonum)* NICOLAI 1822
49 ***scitulum (Agonum)*** DEJEAN 1828 --C----------
50 ***gratiosum (Agonum)*** MANNERHEIM 1853 ----------X-- Xb
51 (***thoreyi (Agonum)*** DEJEAN 1828) ABCD-F----K--NOP---TUV-XYZ
ssp. (***thoreyi (Agonum thoreyi, ssp.)*** DEJEAN 1828) ABCD-F----K--NOP---TUV-XYZ
= (*pelidnum (Agonum thoreyi, syn.)* PAYKULL 1792) [non HERBST 1784]
= *micans (Agonum thoreyi, syn.)* auct. [non NICOLAI 1822]
= *puellum (Agonum thoreyi, syn.)* DEJEAN 1828
= *melanocephalus (Agonum thoreyi, syn.)* DEJEAN 1828
= *longulum (Agonum thoreyi, syn.)* MOTSCHULSKY 1844
= *picipenne (Agonum thoreyi, syn.)* KIRBY 1837
= *gemellum (Agonum thoreyi, syn.)* LECONTE 1879
= *chivense (Agonum thoreyi, syn.)* LUTSHNIK 1934
ssp. ***nipponicum (Agonum thoreyi, ssp.)*** HABU 1978 possible in Za
52 ***triimpressum (Agonum)*** R.F.SAHLBERG 1844
53 ***bellicum (Agonum)*** LUTSHNIK 1934 ----------T----YZ
= *subfuliginosum (Agonum)* HABU 1978

Subgenus ***Platynomicrus*** CASEY 1920

Type species: *Anchus nigriceps* LECONTE 1848

54 ***nigriceps (Agonum)*** LECONTE 1848 ----------X-- Xd

? *Agonocyrthes* MOTSCHULSKY 1864

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384 A restudy of the type has revealed that it is identical to *A. viduum* Panz. (V. Shilenkov) .

385 *Liebherrius* Shilenkov, **subgen. nov.**
Type species: *Agonum bicolor* Dejean 1828
Body size small to moderate (6.5-9.2 mm) . Appendages pale or antennae infuscated. Elytra yellowish to brown, sometimes with metallic lustre, forebody mostly contrastingly darker, metallic greenish. Pronotum subcordiform, with rounded hind angles, basal foveae smooth or faintly rugulose and indistinctly punctate. Elytral striae shallow, smooth or with traces of punctures, 5th stria not deepened apically; intervals flat or slightly convex, 3rd interval with small unfoveate dorsal punctures. Microsculpture on elytra isodiametric or slightly transverse. First metatarsomere furrowed externally, ungues setose ventrally.
The Subgenus includes the Holarctic *A. bicolor* Dej., the Nearctic *A. piceolum* Lec. and *A. ferruginosum* Dej. as well as the Palearctic species mentioned in this catalogue plus the Chinese *A. scintillans* Boh. (V. Shilenkov) .

386 Csiki (1931) , Lindroth (1966) and Habu (1978) erred in synonymizing *Batenus borealis* Motsch. under *A. bogemanni* Gyll. A restudy of Motschulsky's type (kept in ZMM) , deriving from Okhotsk, has revealed, the taxon is in fact identical to *A. consimile* Gyll. (V. Shilenkov) .

387 The type labelled Turkinsk has been restudied and proved to fully correspond to *A. fuliginosum* Panz. (V. Shilenkov) .

388 It was misleadingly synonymized by Csiki (1931) under *A. bicolor* Dej. Yet a restudy of the type has unravelled that it actually belongs to *A. fuliginosum* Panz. (V. Shilenkov) .

389 A comparison of some specimens identified by Bar¡evskis as *A. latvicus* Bar¡. with *A. gracile* Sturm has revealed their absolute identity. The differences mentioned in the former taxon's original description lie well within the variation range of the latter taxon (V. Shilenkov) .

Type species: *Agonocyrthes rotundicollis* MOTSCHULSKY 1864

? *rotundicollis* ***(Agonum)*** MOTSCHULSKY 1864[390]

Genus ***Platynus*** BONELLI 1810[391]

Type species: *Carabus angusticollis* FABRICIUS 1801 [= *A.assimile* PAYKULL 1790]

Subgenus ***Platynus*** BONELLI 1810

Type species: *Carabus angusticollis* FABRICIUS 1801 [= *A.assimile* PAYKULL 1790]

= *Limodromus* MOTSCHULSKY 1864

Type species: *Carabus angusticollis* FABRICIUS 1801 [= *A.assimile* PAYKULL 1790]

1 (***assimile (Platynus)*** PAYKULL 1790) `ABCDEFGH--KLMNOP-R-TUVWXYZ`
= (*ruficornis (Platynus)* GOEZE 1777) [non DE GEER 1774]
= (*angusticollis (Platynus)* FABRICIUS 1801)

2 ***krynickii (Platynus)*** SPERK 1835 `-BCD--------M----R-T------ Ra`
= *uliginosus (Platynus)* ERICHSON 1837
= *laticolle (Platynus)* MOTSCHULSKY 1844
= *collare (Platynus)* MOTSCHULSKY 1844 **Syn. nov.**[392]

3 ***longiventre (Platynus)*** MANNERHEIM 1825 `ABCD------K-MNO----T------`

Subgenus ***Batenus*** MOTSCHULSKY 1864[393]

Type species: *Harpalus livens* GYLLLENHAL 1810

= *Platynidius* CASEY 1920

Type species: *Platynus hypolithos* SAY 1823

= *Pseudoplatynus* HABU 1973 **Syn. nov.**

Type species: *Anchomenus magnum* H.BATES 1873

4 (***livens (Platynus)*** GYLLLENHAL 1810) `ABC---G------------------`
5 ***mannerheimi (Platynus)*** DEJEAN 1828 `-BCD------KL-------TUV--YZ`
= *morio (Platynus)* GEBLER 1847
6 ***magnum (Platynus)*** H.BATES 1873 `------------------------Y-`
7 (***nazarovi (Platynus)*** LAFER 1976) `------------------------Y-`
8 ***glaciale (Platynus)*** REITTER 1876 `A-------------------------`
9 ***grandicolle (Platynus)*** MOTSCHULSKY 1850 `------G------------------`
10 ***willbergi (Platynus)*** REITTER 1891 `----------------R-------- Re`
11 (***ferghanicum (Platynus)*** BELOUSOV 1991) `----------------R-------- Re: middle part of Fergansky Mt.R.`

Genus ***Paranchus*** LINDROTH 1974

Type species: *Carabus albipes* FABRICIUS 1796

1 (***albipes (Paranchus)*** FABRICIUS 1796) `ABC----------------------`
= (*ruficorne (Paranchus)* GOEZE 1777)
= (*pallipes (Paranchus)* FABRICIUS 1801)
= (*clements (Paranchus)* LECONTE 1863)

Genus ***Oxypselaphus*** CHAUDOIR 1843

Type species: *Oxypselaphus pallidulus* CHAUDOIR 1843

= *Anchus* LECONTE 1854

Type species: *Anchus pusillus* LECONTE 1854

1 (***obscurum (Oxypselaphus)*** HERBST 1784) `ABCD-FG---KLMNO--R-T------ Rab`
= (*oblongum (Oxypselaphus)* SCHAUM 1860)
= (*pallidulus (Oxypselaphus)* CHAUDOIR 1843)

Genus ***Anchomenus*** BONELLI 1810

Type species: *Carabus prasinus* THUNBERG 1784

= *Clibinarius* DES GOZIS 1882

Type species: *Carabus dorsalis* PONTOPPIDAN 1763

= *Idiochroma* BEDEL 1902

Type species: *Carabus dorsalis* PONTOPPIDAN 1763

1 (***dorsalis (Anchomenus)*** PONTOPPIDAN 1763) `ABCDEFGHIJK-MNOP-RST-V--Y-`
= (*viridifulvus (Anchomenus)* GOEZE 1777)
= (*prasinus (Anchomenus)* THUNBERG 1784)
= (*violaceus (Anchomenus)* THUNBERG 1784)
= (*marchicus (Anchomenus)* HERBST 1784)
= (*bicolor (Anchomenus)* GEOFFREY 1785)
= (*thunbergi (Anchomenus)* GMELIN 1790)
= (*viridis (Anchomenus)* GMELIN 1790)
= (*viridanus (Anchomenus)* FABRICIUS 1787)
= (*cyanicollis (Anchomenus)* GEBLER 1841)
= (*discophorus (Anchomenus)* CHAUDOIR 1842)
= (*infuscatus (Anchomenus)* CHEVROLAT 1854)

Genus ***Anchodemus*** MOTSCHULSKY 1864

Type species: *Anchodenus kurnakovi* KRYZHANOVSKIJ 1983

1 (***kurnakovi (Anchodemus)*** KRYZHANOVSKIJ 1983)[394] `-------H------------------`

Genus ***Chlaeniomimus*** SEMENOV 1889

Type species: *Chlaeniomimus gracilicolis* V.JAKOWLEW 1887

1 (***virescens (Chlaeniomimus)*** MOTSCHULSKY 1864) `---D-----------P----------`
= (*gracilicollis (Chlaeniomimus)* V.JAKOWLEW 1887)

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390 The species has been originally described from Amur. Regrettably, the type is almost fully destroyed, except for two fore legs. It seems to actually represent a synonym of an *Agonum* s. str. (V. Shilenkov) .

391 *Agonum setiporum* Reitter 1893 allocated within that taxon actually refers to the genus *Colpodes* Jedl., obviously being absent from Tajikistan (O.L. Kryzhanovskij) .

392 A restudy of the holotype of *Anchomenus collaris* Motsch. (kept in ZMM) , labelled Kolyvan, has revealed that it actually represents a very big female of *A. krynickii* Sperk (V. Shilenkov) .

393 Based on the structure of the female reproductive system, Liebherr (1989) has synonymized *Platynidius* Casey under *Batenus* Motsch. Yet it is noteworthy that the Subgenus *Batenus* differs strongly also by the structure of the endophallus and contains five species from North America. Further four species characteristic of the Japanese fauna have been united in the Subgenus *Pseudoplatynus* Habu, another doubtless synonym of *Batenus*. Its species composition is Eurasia requires clarification (V, Shilenkov) .

394 Having revised recently the type of *A. kurnakovi* Kryzh. as well as specimens of *A. punctibase* Rtt., Liebherr (1994) has arrived to the conclusion, they belong in the Subgenus *Anchomenus* Bon. (V. Shilenkov) .

= (*hybridus (Chlaeniomimus)* REITTER 1908)

Genus ***Anchagonum*** KRYZHANOVSKIJ 1995
Type species: *Anchomenus turkestanicum* BALLION 1870

1 (***turkestanicum (Anchagonum)*** BALLION 1870) --------I------P----------
= (*punctibase (Anchagonum)* REITTER 1894)

Genus ***Nipponanchus*** HABU 1978
Type species: *Anchomenus leucopus* H.BATES 1872
= *Pseudanchus* CASEY 1920
Type species: *Platynus funebris* LECONTE 1854

1 (***leucopus (Nipponanchus)*** H.BATES 1873) ----------------------Y-
= (*metax (Nipponanchus)* JEDLIᵃKA 1962)

Genus ***Eucolpodes*** JEANNEL 1948
Type species: *Colpodes lampros* H.BATES 1873

Subgenus ***Eucolpodes*** JEANNEL 1948
Type species: *Colpodes lampros* H.BATES 1873

1 (***japonicum (Eucolpodes)*** MOTSCHULSKY 1860) ----------------------Z
= (*lampros (Eucolpodes)* H.BATES 1873)

Subgenus ***Glaucagonum*** HABU 1978
Type species: *Colpodes sylphus* H.BATES 1873

2 (***sylphis (Eucolpodes)*** H.BATES 1873)
ssp. (***stichai (Eucolpodes sylphis, ssp.)*** JEDLIᵃKA 1935) ----------------------Z Za

Genus ***Gyrochaetostylus*** HABU 1978
Type species: *Colpodes atricomes* H.BATES 1873

1 (***atricomes (Gyrochaetostylus)*** H.BATES 1873) ----------------------Y-

Genus ***Metacolpodes*** JEANNEL 1948
Type species: *Colpodes buchanani* HOPE 1831

1 (***buchanani (Metacolpodes)*** HOPE 1831) ----------------------V--Y-

Genus ***Dicranoncus*** CHAUDOIR 1878
Type species: *Dicranonchus femoralis* CHAUDOIR 1850

1 (***femoralis (Dicranoncus)*** CHAUDOIR 1850) ----------------------Y-

Genus ***Olisthopus*** DEJEAN 1828
Type species: *Carabus rotundicollis* MARSHAM 1802 [= *O.rotundatus* PAYKULL 1790]
= *Odontonyx* auct.

1 (***rotundatus (Olisthopus)*** PAYKULL 1790) ABCD-FG------------------
= (*rotundicollis (Olisthopus)* MARSHAM 1802)
2 (***sturmi (Olisthopus)*** DUFTSCHMID 1812) --CD-FG-------O--R-TUV--YZ

Genus ***Atranus*** LECONTE 1848
Type species: *Anchomenus pubescens* DEJEAN 1828

1 (***collaris (Atranus)*** MÉNÉTRIÉS 1832) ------GHI------P----------

Subtribe *SYNUCHINA*

Genus ***Synuchus*** GYLLLENHAL 1810
Type species: *Carabus nivalis* PANZER 1797

Subgenus ***Synuchus*** GYLLLENHAL 1810
Type species: *Carabus nivalis* PANZER 1797
= *Taphria* DEJEAN 1828
Type species: *Carabus vivalis* ILLIGER 1798

1 (***vivalis (Synuchus)*** ILLIGER 1798) ABCDEFG---K-MNO--RSTUV--YZ
= (*nivalis (Synuchus)* PANZER 1797) [non PAYKULL 1790]
ssp. (***vivalis (Synuchus vivalis, ssp.)*** ILLIGER 1798) ABCDEFG---K-MN-----TUV----
ssp. ***simplex (Synuchus vivalis, ssp.)*** SEMENOV 1891 ---------------P-RS-------
ssp. ***uenoi (Synuchus vivalis, ssp.)*** LINDROTH 1956 ----------------------YZ
2 (***nordmanni (Synuchus)*** A.MORAWITZ 1862) ----------------------Y-
3 (***congruus (Synuchus)*** A.MORAWITZ 1862) ----------K--------TUV--YZ
? *latus (Synuchus)* TSCHITSCHÉRINE 1893
4 ***chinensis (Synuchus)*** LINDROTH 1956 ----------------------Y-

Subgenus ***Pristodactyla*** DEJEAN 1828
Type species: *Feronia impunctata* SAY 1823
= *Paracalathus* JEDLIᵃKA 1940
Type species: *Paracalathus testaceus* JEDLIᵃKA 1940
= *Semenovia* JEDLIᵃKA 1953
Type species: *Calathus pseudomorphus* SEMENOV 1889

5 (***agonus (Synuchus)*** TSCHITSCHÉRINE 1895) ----------------------YZ
6 ***arquaticollis (Synuchus)*** MOTSCHULSKY 1860 ----------------------X-Z
7 ***orbicollis (Synuchus)*** A.MORAWITZ 1862 ----------------------Y-
8 ***intermedius (Synuchus)*** LINDROTH 1956 ----------------------Y-

Subgenus ***Crepidactyla*** MOTSCHULSKY 1861
Type species: *Crepidactyla nitida* MOTSCHULSKY 1861
= *Crepidodactyla* JACOBSON 1907
= *Fuerthius* JEDLIᵃKA 1953
Type species: *Pristodactyla cyclodera* H.BATES 1873

9 (***nitidus (Synuchus)*** MOTSCHULSKY 1861) ----------------------YZ
10 (***cycloderus (Synuchus)*** H.BATES 1873) ----------------------Z
11 ***rjabuchini (Synuchus)*** LAFER 1989 ----------------------Y-
12 ***melantho (Synuchus)*** H.BATES 1881 ----------------------Y-

Genus ***Platyderus*** STEPHENS 1828
Type species: *Carabus ruficollis* MARSHAM 1802
= *Lissotarsus* CHAUDOIR 1838
Type species: *Platyderus depressus* SERVILLE 1821 [= *C.ruficollis* MARSHAM 1802]

1 (***rufus (Platyderus)*** DUFTSCHMID 1812) A--D----------
2 ***caucasicus (Platyderus)*** KRYZHANOVSKIJ 1968 ------G----------
3 ***talyschensis (Platyderus)*** REITTER 1887 --------I---------
4 (***umbratus (Platyderus)*** MÉNÉTRIÉS 1832) --------I------PQ---------
5 ***haberhaueri (Platyderus)*** HEYDEN 1889 ----------S-------
6 ***tadzhikistanus (Platyderus)*** KRYZHANOVSKIJ 1968 ----------S-------
7 (***foveipennis (Platyderus)*** CASALE 1988) ----------R-------- Re: NW Fergansky Mt.R., Canyon of Karakuldzha Riv.

Subtribe *PRISTOSIINA*

Genus ***Pristosia*** MOTSCHULSKY 1864
Type species: *Pristosia picea* MOTSCHULSKY 1864
= *Eucalathus* H.BATES 1883
Type species: *Pristonychus aeneolus* H.BATES 1837
= *Kanoldia* JEDLIᵃKA 1931
Type species: *Kanoldia jureceki* JEDLIᵃKA 1931
= *Laemostenopsis* JEDLIᵃKA 1931
Type species: *Laemostenopsis purkynei* JEDLIᵃKA 1931

1 (***nitidula (Pristosia)*** A.MORAWITZ 1862) ----------V--YZ
= *irideus (Pristosia)* MOTSCHULSKY 1864
= (*punctibasis (Pristosia)* FAIRMAIRE 1888)
2 (***proxima (Pristosia)*** A.MORAWITZ 1862) ----------YZ
3 (***vigil (Pristosia)*** TSCHITSCHÉRINE 1895) ----------Y-

Tribe *AMARINI*

Genus ***Amara*** BONELLI 1810
Type species: *Carabus vulgaris* LINNAEUS sensu PANZER 1797 [= *A.lunicollis* SCHI¥DTE 1837]

Subgenus ***Zezea*** CSIKI 1929
Type species: *Feronia angustata* SAY 1823
= *Triaena* LECONTE 1848 [non HÜBNER 1818]
Type species: *Amara angustata* SAY 1823
= *Pseudotriaena* MINSK et HATCH 1939
Type species: *Amara glabrata* MINSK et HATCH 1939

1 ***chaudoiri (Amara)*** PUTZEYS 1858 A-CDE-------MNOP-RST------
ssp. ***chaudoiri (Amara chaudoiri, ssp.)*** PUTZEYS 1858 --CDE-------MNOP-R-T------
= *zhicharevi (Amara chaudoiri, syn.)* LUTSHNIK 1928 Mugodzhary
ab. *punctata (Amara chaudoiri, ab.)* LETZNER 1852
ab. *subdepressa (Amara chaudoiri, ab.)* LETZNER 1852
ssp. ***incognita (Amara chaudoiri, ssp.)*** FASSATI 1946 A-------------------------
ab. *antennata (Amara chaudoiri, ab.)* LETZNER 1852
ab. *bicolor (Amara chaudoiri, ab.)* LETZNER 1852
ab. *genuina (Amara chaudoiri, ab.)* LETZNER 1852
ab. *laevicollis (Amara chaudoiri, ab.)* LETZNER 1852
= *laevipennis (Amara chaudoiri, syn.)* auct.
ab. *punctata (Amara chaudoiri, ab.)* LETZNER 1852
ab. *subimpressa (Amara chaudoiri, ab.)* LETZNER 1852
ab. *virescens (Amara chaudoiri, ab.)* LETZNER 1852
ab. *glabrothoracica (Amara chaudoiri, ab.)* FASSATI 1946
ssp. ***transcaucasiensis (Amara chaudoiri, ssp.)*** HIEKE 1970 --------I---------- env. Stepanavan
ab. *bifoveolata (Amara chaudoiri, ab.)* LETZNER 1852
2 ***concinna (Amara)*** ZIMMERMANN 1832 --CD-F----------
= *lepida (Amara)* ZIMMERMANN 1832
= *amabilis (Amara)* HAMPE 1870
= *autumnalis (Amara)* LUTSHNIK 1933
3 (***fulvipes (Amara)*** SERVILLE 1821) A-------------------------
= *striatopunctata (Amara)* DEJEAN 1828
= *valida (Amara)* FAIRMAIRE 1859
4 ***kulti (Amara)*** FASSATI 1947 A-------------------------
= *berbera (Amara)* ANTOINE 1949
5 (***plebeja (Amara)*** GYLLLENHAL 1810) ABCD-F----KLMNO----TUV--YZ
= *nitida (Amara)* STEPHENS 1827 [non STURM 1825]
= *femoralis (Amara)* DEJEAN 1831
= *lapidicola (Amara)* HEER 1837
= *lenticularis (Amara)* SCHI¥DTE 1837
= *cylindera (Amara)* SCHI¥DTE 1837
= *varicolor (Amara)* HEER 1838
ab. *aureoviridis (Amara plebeja, ab.)* LETZNER 1852
ab. *coeruleovirens (Amara plebeja, ab.)* LETZNER 1852
ab. *cuprescens (Amara plebeja, ab.)* LETZNER 1852
ab. *femoralis (Amara plebeja, ab.)* LETZNER 1852
ab. *femoralis (Amara plebeja, ab.)* DEJEAN 1831
ab. *laevicollis (Amara plebeja, ab.)* LETZNER 1852
ab. *mandibularis (Amara plebeja, ab.)* LETZNER 1852
ab. *nigrescnes (Amara plebeja, ab.)* LETZNER 1852
ab. *rufescens (Amara plebeja, ab.)* LETZNER 1852
ab. *sulcata (Amara plebeja, ab.)* LETZNER 1852
ab. *versicolor (Amara plebeja, ab.)* LETZNER 1852
ab. *viridis (Amara plebeja, ab.)* LETZNER 1852
= *marginalis (Amara plebeja, syn.)* LETZNER 1852
= *rufipes (Amara plebeja, syn.)* LETZNER 1852

= *ventralis (Amara plebeja, syn.)* LETZNER 1852
= *tridens (Amara)* A.MORAWITZ 1862
= *noctivaga (Amara)* HOCHHUTH 1871
= *anthobia var. barnevillei (Amara plebeja, syn.)* CROISSADENAU 1893 [non FAIRMAIRE 1856]
= *anthobia var. brisouti (Amara plebeja, syn.)* CSIKI 1929 [nom. pro *barnevillei* CROISSADENAU 1893]
= *punctibasis (Amara)* JEDLIªKA 1957

6 ***reflexicollis (Amara)*** MOTSCHULSKY 1844 `---DEFG-I-----OP-RS-------`
ssp. ***reflexicollis (Amara reflexicollis, ssp.)*** MOTSCHULSKY 1844 `---DEFG-I-----OP-RS-------`
= *affinis (Amara reflexicollis, syn.)* MOTSCHULSKY 1844
= *etschmiadsina (Amara reflexicollis, syn.)* EICHLER 1924
= *kaszabi (Amara reflexicollis, syn.)* FASSATI 1951
ssp. ***mesopotamica (Amara reflexicollis, ssp.)*** BALIANI 1937 `-----FG-------OP--S-------`
= *elongata (Amara reflexicollis, syn.)* BALIANI 1936

7 ***strenua (Amara)*** ZIMMERMANN 1832 `--C----------------------`
= *vectensis (Amara)* DAWSON 1849
ab. *antennata (Amara strenua, ab.)* LETZNER 1852
ab. *cuprescens (Amara strenua, ab.)* LETZNER 1852
= *depressa (Amara strenua, syn.)* auct.
ab. *marginata (Amara strenua, ab.)* LETZNER 1852
ab. *obtusa (Amara strenua, ab.)* LETZNER 1852
ab. *punctata (Amara strenua, ab.)* LETZNER 1852
ab. *quadrifoveolata (Amara strenua, ab.)* LETZNER 1852
ab. *virescens (Amara strenua, ab.)* LETZNER 1852

8 ***tricuspidata (Amara)*** DEJEAN 1831 `---DE-G-I----NOP-RST------`
ssp. ***tricuspidata (Amara tricuspidata, ssp.)*** DEJEAN 1831 `---DE------------RS-------`
ab. *antennata (Amara tricuspidata, ab.)* LETZNER 1852
ab. *coerulescens (Amara tricuspidata, ab.)* LETZNER 1852
ab. *femorata (Amara tricuspidata, ab.)* LETZNER 1852
ab. *genuina (Amara tricuspidata, ab.)* LETZNER 1852
ab. *laevicollis (Amara tricuspidata, ab.)* LETZNER 1852
ab. *lepidula (Amara tricuspidata, ab.)* LETZNER 1852
ab. *nigra (Amara tricuspidata, ab.)* LETZNER 1852
ab. *ovata (Amara tricuspidata, ab.)* LETZNER 1852
ab. *ventralis (Amara tricuspidata, ab.)* LETZNER 1852
= *impunctata (Amara tricuspidata, syn.)* REICHE et SAULCY 1855 [non LETZNER 1852]
= *damascena (Amara tricuspidata, syn.)* REICHE 1876 [nom. pro *impunctata* REICHE 1855]
= *diversa (Amara tricuspidata, syn.)* MATITS 1911 [non PUTZEYS 1865]
= *matitsi (Amara tricuspidata, syn.)* ROUBAL 1917 [nom. pro *diversa* MATITS 1911]
= *matici (Amara tricuspidata, syn.)* auct.
ssp. ***pseudostrenua (Amara tricuspidata, ssp.)*** KULT 1946 `---D--G------NOP-RST------`
ab. *subrubripes (Amara tricuspidata, ab.)* FASSATI 1957
ssp. ***strandi (Amara tricuspidata, ssp.)*** LUTSHNIK 1933 `--------I----N---R--------`

Subgenus ***Amara*** BONELLI 1810

Type species: *Carabus vulgaris* LINNAEUS sensu PANZER 1797 [= *A.lunicollis* SCHI¥DTE 1837]

= ***Pseudoamara*** BALIANI 1934

Type species: *Amara beesoni* BALIANI 1934

9 (***aenea (Amara)*** DE GEER 1774) `ABCDEFGHIJKLMNOP-RSTUV----`
= (*trivialis (Amara)* GYLLLENHAL 1810)
= *atra (Amara)* STEPHENS 1828
= *atrata (Amara)* auct. [incorr. emend.]
ab. *angustata (Amara aenea, ab.)* LETZNER 1852
ab. *antennata (Amara aenea, ab.)* LETZNER 1852
ab. *brunnicornis (Amara aenea, ab.)* LETZNER 1852
ab. *coerulescens (Amara aenea, ab.)* LETZNER 1852
ab. *exarata (Amara aenea, ab.)* LETZNER 1852
ab. *foveolata (Amara aenea, ab.)* LETZNER 1852
ab. *fuscipes (Amara aenea, ab.)* LETZNER 1852
ab. *genuina (Amara aenea, ab.)* LETZNER 1852
ab. *impressa (Amara aenea, ab.)* LETZNER 1852
ab. *irregularis (Amara aenea, ab.)* LETZNER 1852
ab. *marginata (Amara aenea, ab.)* LETZNER 1852
ab. *nigroaenea (Amara aenea, ab.)* LETZNER 1852
ab. *nigrocoerulea (Amara aenea, ab.)* LETZNER 1852
ab. *nigrocuprea (Amara aenea, ab.)* LETZNER 1852
ab. *nigrofemorata (Amara aenea, ab.)* LETZNER 1852
ab. *obtusa (Amara aenea, ab.)* LETZNER 1852
ab. *punctata (Amara aenea, ab.)* LETZNER 1852
ab. *punctulata (Amara aenea, ab.)* LETZNER 1852
ab. *versicolor (Amara aenea, ab.)* LETZNER 1852
ab. *viridicans (Amara aenea, ab.)* LETZNER 1852
= *virescens (Amara aenea, syn.)* auct.
ab. *viridis (Amara aenea, ab.)* LETZNER 1852
= *brunniventris (Amara aenea, syn.)* LETZNER 1852
= *cuprea (Amara aenea, syn.)* LETZNER 1852
= *parvula (Amara aenea, syn.)* LETZNER 1852
= *rufiventris (Amara aenea, syn.)* LETZNER 1852
= *maculipes (Amara)* GRIMMER 1841
= *persica (Amara)* CHAUDOIR 1842
= *nigrita (Amara)* CHAUDOIR 1844
= *palustris (Amara)* GISTEL 1857
= *sororcula (Amara)* TSCHITSCHÉRINE 1895
= *vogesiaca (Amara)* BOURGEOIS 1898
= *devincta (Amara)* CASEY 1918
ab. *nigrina (Amara aenea, ab.)* PORTA 1923
= *sincera (Amara)* LUTSHNIK 1933
= *devillei (Amara)* JEANNEL 1942
ab. *luciae (Amara aenea, ab.)* ANTOINE 1943
= *thisbe (Amara)* ANTOINE 1949
= *palanda (Amara)* JEDLIªKA 1957

10 ***aeneola (Amara)*** POPPIUS 1906 `--------------------UVWXY-`
= *amurensis (Amara)* LUTSHNIK 1935

11 ***anthobia (Amara)*** A.VILLA et G.B.VILLA 1833 `A---EFG-I----------------`

= *krekichi (Amara)* SCHATZMAYR 1909
12 ***anxia (Amara)*** TSCHITSCHÉRINE 1828 ----------V----
= *subopaca (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *gelida (Amara)* ANDREWES 1930
= *minorita (Amara)* JEDLIᵃKA 1957
= *mixta (Amara)* JEDLIᵃKA 1957
13 ***biarticulata (Amara)*** MOTSCHULSKY 1844 ---D------K-MN---R-TUVWXYZ Rbcd
ab. *incompleta (Amara biarticulata, ab.)* LETZNER 1852
= *schamsiense (Amara)* POPPIUS 1907
= *chamsiensis (Amara)* auct.
= *purkynei (Amara)* JEDLIᵃKA 1967
14 ***chalcites (Amara)*** DEJEAN 1928 ----------Z
= *chalcipes (Amara)* auct.
= *japonica (Amara chalcites, syn.)* MOTSCHULSKY 1860
15 (***communis (Amara)*** PANZER 1797) ABCDEFGHIJKLMNO--RSTUVWXYZ
= (*vagabunda (Amara)* DUFTSCHMID 1812)
= *atrocoerulea (Amara)* STURM 1825
= *ferrea (Amara)* STURM 1825
= *latescens (Amara)* STEPHENS 1828
= *plebeja (Amara)* STEPHENS 1828 [non GYLLLENHAL 1810]
ab. *cognata (Amara communis, ab.)* STEPHENS 1828
= *alpicola (Amara communis, syn.)* HEER 1837
ab. *aenea (Amara communis, ab.)* HEER 1837
ab. *atrata (Amara communis, ab.)* HEER 1837
= *dalei (Amara)* RYLANDS 1841
= *dalii (Amara)* auct.
= *dahlei (Amara)* auct.
= *dahli (Amara)* auct.
= *impressa (Amara)* MOTSCHULSKY 1844
= *nigrita (Amara)* CHAUDOIR 1844
= *viatica (Amara)* MOTSCHULSKY 1844
= *cerylon (Amara)* MOTSCHULSKY 1850 [nom. nud.]
ab. *aberrata (Amara communis, ab.)* LETZNER 1852
ab. *brunnea (Amara communis, ab.)* LETZNER 1852
ab. *brunnipes (Amara communis, ab.)* LETZNER 1852
ab. *cuprina (Amara communis, ab.)* LETZNER 1852
ab. *genuina (Amara communis, ab.)* LETZNER 1852
ab. *impunctata (Amara communis, ab.)* LETZNER 1852
ab. *nigroaenea (Amara communis, ab.)* LETZNER 1852
ab. *picipes (Amara communis, ab.)* LETZNER 1852
ab. *planata (Amara communis, ab.)* LETZNER 1852
ab. *puncticollis (Amara communis, ab.)* LETZNER 1852
ab. *quadrifoveolata (Amara communis, ab.)* LETZNER 1852
ab. *subacuminata (Amara communis, ab.)* LETZNER 1852
ab. *subimpressa (Amara communis, ab.)* LETZNER 1852
ab. *tripunctata (Amara communis, ab.)* LETZNER 1852
ab. *viridis (Amara communis, ab.)* LETZNER 1852
= *levis (Amara communis, syn.)* LETZNER 1852
= *marginata (Amara communis, syn.)* LETZNER 1852
ab. *flavitibia (Amara communis, ab.)* DALLA TORRE 1879
ab. *picitibia (Amara communis, ab.)* DALLA TORRE 1879
= *aemiliana (Amara)* FIORI 1903
= *emiliana (Amara)* auct.
= *makolskyi (Amara)* ROUBAL 1923
ab. *stavropolica (Amara communis, ab.)* LUTSHNIK 1929
= *manevali (Amara)* JEANNEL 1942
= *pulpani (Amara)* KULT 1949
= *pseudocommunis (Amara)* BURAKOWSKI 1957
= *udensis (Amara)* JEDLIᵃKA 1957
= *aubryi (Amara)* SCHULER 1964
16 ***convexior (Amara)*** STEPHENS 1828 ABCD--------M------T------
= *obtusa (Amara)* STEPHENS 1828
= *puncticollis (Amara)* RYLANDS 1841
= *continua (Amara)* THOMSON 1873
= *concinna (Amara)* auct. [incorr. emend.]
17 ***congrua (Amara)*** A.MORAWITZ 1862 ----------Y-
= *mongolica (Amara)* MOTSCHULSKY 1844 [nom. obl.]
= *zimmermanni (Amara)* PUTZEYS 1875
= *striatella (Amara)* PUTZEYS 1875
= *mandzhurica (Amara)* LUTSHNIK 1935
= *ovatoides (Amara)* BALIANI 1943
= *abnormalis (Amara)* JEDLIᵃKA 1956
18 ***coraica (Amara)*** KOLBE 1886 ----------TUV--YZ
= *coraica (Amara)* auct. [incorr. emend.]
= *depressangula (Amara)* POPPIUS 1907
= *bodeana (Amara)* JEDLIᵃKA 1953
19 ***curta (Amara)*** DEJEAN 1828 ABCD-FG-IJK-MN-----TUV----
= *brunnicornis (Amara)* HEER 1837
= *brunneicornis (Amara)* auct. [incorr. emend.]
= *aeruginosa (Amara)* KOLENATI 1845
ab. *aberrata (Amara curta, ab.)* LETZNER 1852
ab. *antennata (Amara curta, ab.)* LETZNER 1852
ab. *foveolata (Amara curta, ab.)* LETZNER 1852
ab. *genuina (Amara curta, ab.)* LETZNER 1852
ab. *nigra (Amara curta, ab.)* LETZNER 1852
ab. *punctulata (Amara curta, ab.)* LETZNER 1852
ab. *rugulosa (Amara curta, ab.)* LETZNER 1852
ab. *viridis (Amara curta, ab.)* LETZNER 1852
= *brunniventris (Amara curta, syn.)* LETZNER 1852
= *picipes (Amara curta, syn.)* LETZNER 1852
= *rufiventris (Amara curta, syn.)* LETZNER 1852
= *cyanocnemis (Amara)* THOMSON 1857
= *ovalis (Amara)* MULSANT et REY 1861

20	(***eurynota (Amara)*** PANZER 1797)	ABCDEFG--JK-MNOP-R-TU-----	
	= (*acuminata (Amara)* PAYKULL 1798)		
	= *aerata (Amara)* STEPHENS 1828		
	= *derata (Amara)* auct. [incorr. emend.]		
	= *media (Amara eurynota, syn.)* MOTSCHULSKY 1850 [nom. nud.]		
	ab. *aberrata (Amara eurynota, ab.)* LETZNER 1852		
	ab. *convexa (Amara eurynota, ab.)* LETZNER 1852		
	ab. *foveata (Amara eurynota, ab.)* LETZNER 1852		
	ab. *fuscocuprea (Amara eurynota, ab.)* LETZNER 1852		
	ab. *genuina (Amara eurynota, ab.)* LETZNER 1852		
	ab. *micans (Amara eurynota, ab.)* LETZNER 1852		
	ab. *nigra (Amara eurynota, ab.)* LETZNER 1852		
	ab. *nigroaenea (Amara eurynota, ab.)* LETZNER 1852		
	ab. *versicolor (Amara eurynota, ab.)* LETZNER 1852		
	ab. *violacea (Amara eurynota, ab.)* LETZNER 1852		
	ab. *virescens (Amara eurynota, ab.)* LETZNER 1852		
	= *minor (Amara eurynota, syn.)* LETZNER 1852		
	= *rufipes (Amara eurynota, syn.)* LETZNER 1852		
	= *exsculpta (Amara)* GREDLER 1866		
	= *raymondi (Amara)* PUTZEYS 1870		
	ab. *letzneri (Amara eurynota, ab.)* KULT 1947		
21	***famelica (Amara)*** ZIMMERMANN 1832	ABCD-FG-IJK-MNOP-R-TUV--Y-	
	= *contrusa (Amara)* SCHI¥DTE 1841		
	ab. *antennata (Amara famelica, ab.)* LETZNER 1852		
	ab. *genuina (Amara famelica, ab.)* LETZNER 1852		
	ab. *nigricans (Amara famelica, ab.)* SCHILSKY 1888		
	= *bibula (Amara)* ANTOINE 1943		
22	(***familiaris (Amara)*** DUFTSCHMID 1812)	ABCD-FG---KLMNO--R-TUV--Y-	
	= *cursor (Amara)* STURM 1825		
	= *levis (Amara)* STURM 1825		
	= *perplexa (Amara)* DEJEAN 1828		
	ab. *atrata (Amara familiaris, ab.)* HEER 1837		
	= *elegans (Amara)* RYLANDS 1841		
	ab. *lapidaria (Amara familiaris, ab.)* KOLENATI 1845		
	ab. *angulata (Amara familiaris, ab.)* LETZNER 1852		
	ab. *brunnea (Amara familiaris, ab.)* LETZNER 1852		
	ab. *antennata (Amara familiaris, ab.)* LETZNER 1852		
	ab. *coerulescens (Amara familiaris, ab.)* LETZNER 1852		
	ab. *depressa (Amara familiaris, ab.)* LETZNER 1852		
	ab. *genuina (Amara familiaris, ab.)* LETZNER 1852		
	ab. *laevis (Amara familiaris, ab.)* LETZNER 1852		
	ab. *marginata (Amara familiaris, ab.)* LETZNER 1852		
	ab. *nigroaenea (Amara familiaris, ab.)* LETZNER 1852		
	ab. *punctulata (Amara familiaris, ab.)* LETZNER 1852		
	ab. *scrobiculata (Amara familiaris, ab.)* LETZNER 1852		
	ab. *similis (Amara familiaris, ab.)* LETZNER 1852		
	ab. *subimpressa (Amara familiaris, ab.)* LETZNER 1852		
	ab. *tripunctata (Amara familiaris, ab.)* LETZNER 1852		
	ab. *ventralis (Amara familiaris, ab.)* LETZNER 1852		
	ab. *versicolor (Amara familiaris, ab.)* LETZNER 1852		
	ab. *viridis (Amara familiaris, ab.)* LETZNER 1852		
	= *brunniventris (Amara familiaris, syn.)* LETZNER 1852		
	= *parvula (Amara familiaris, syn.)* LETZNER 1852		
	= *rufiventris (Amara familiaris, syn.)* LETZNER 1852		
	= *rufomarginata (Amara familiaris, syn.)* LETZNER 1852		
	= *humilis (Amara)* CASEY 1918		
23	***hammarstroemi (Amara)*** POPPIUS 1907	----------UV--Y-	
	= *bodemeyeri (Amara)* BALIANI 1934		
	= *mariae (Amara)* LUTSHNIK 1935		
24	***kingdoni (Amara)*** BALIANI 1934	----------V-XY-	
25	***laevissima (Amara)*** J.SAHLBERG 1880	----------M----R-TUV--Y- Rab	
	= *elliptica (Amara)* HEYDEN 1885		
26	***laferi (Amara)*** HIEKE 1976	----------Y-	
27	***littoralis (Amara)*** MANNERHEIM 1843	-BC-------KLM----------X--	
	= *litoralis (Amara)* auct.		
	= *litorea (Amara)* auct. [incorr. emend.]		
	= *fallax (Amara)* LECONTE 1848		
	= *inepta (Amara)* LECONTE 1855		
	= *acuminata (Amara)* CASEY 1918 [non PAYKULL 1789]		
	= *hesperica (Amara)* CASEY 1918		
	= *keeni (Amara)* CASEY 1918		
	= *lacustrina (Amara)* CASEY 1918		
	= *laurana (Amara)* CASEY 1918		
	= *mystica (Amara)* CASEY 1918		
	= *teres (Amara)* NOTMAN 1921		
	= *acuticauda (Amara)* CASEY 1924 [nom. pro *acuminata* CASEY]		
	= *convergens (Amara)* CASEY 1924		
	= *oodiformis (Amara)* CASEY 1924		
	= *pullmani (Amara)* CASEY 1924		
28	***littorea (Amara)*** THOMSON 1857	-BCD--G---K-MNO--RSTUV----	
	= *ovata (Amara)* MOTSCHULSKY 1844 [nom. obl., non FABRICIUS 1801]		
	= *dubia (Amara)* MOTSCHULSKY 1844 [nom. obl.]		
	= *motschulskyi (Amara)* HEYDEN 1881		
	= *bogatshevi (Amara)* LUTSHNIK 1934		
	= *kodymi (Amara)* JEDLI^{a}KA 1936		
	= *tockoensis (Amara)* JEDLI^{a}KA 1936		
	= *cyanescens (Amara)* BALIANI 1940		
29	(***lucida (Amara)*** DUFTSCHMID 1812)	A-CD-FG----------	
	= *erythropa (Amara)* STEPHENS 1828		
	= *gemina (Amara)* ZIMMERMANN 1832		
	= *septentrionalis (Amara)* CURTIS 1840		
	ab. *aberrata (Amara lucida, ab.)* LETZNER 1852		
	ab. *brunnea (Amara lucida, ab.)* LETZNER 1852		

ab. *depressa (Amara lucida, ab.)* LETZNER 1852
ab. *foveolata (Amara lucida, ab.)* LETZNER 1852
ab. *genuina (Amara lucida, ab.)* LETZNER 1852
ab. *laevis (Amara lucida, ab.)* LETZNER 1852
ab. *marginata (Amara lucida, ab.)* LETZNER 1852
ab. *pulchella (Amara lucida, ab.)* LETZNER 1852
ab. *ventralis (Amara lucida, ab.)* LETZNER 1852
ab. *viridis (Amara lucida, ab.)* LETZNER 1852
= *brunniventris (Amara lucida, syn.)* LETZNER 1852
= *parvula (Amara lucida, syn.)* LETZNER 1852
= *heydeni (Amara)* SCHATZMAYR 1909
= *haydeni (Amara)* auct.
ab. *cyanea (Amara lucida, ab.)* J.SAHLBERG 1913

30 ***lunicollis (Amara)*** SCHI¥DTE 1837 `ABCD--G---KLMN---R-TUVWXYZ`
= *vulgaris (Amara)* auct. [non LINNAEUS 1758]
= *limbata (Amara)* SCHI¥DTE 1837
= *poeciloides (Amara)* HEER 1837
= *assimilis (Amara)* CHAUDOIR 1844
= *laticollis (Amara)* MOTSCHULSKY 1850 [nom. nud.]
ab. *aberrata (Amara lunicollis, ab.)* LETZNER 1852
ab. *antennata (Amara lunicollis, ab.)* LETZNER 1852
ab. *aurichalcea (Amara lunicollis, ab.)* LETZNER 1852
ab. *cuprina (Amara lunicollis, ab.)* LETZNER 1852
ab. *elevata (Amara lunicollis, ab.)* LETZNER 1852
ab. *genuina (Amara lunicollis, ab.)* LETZNER 1852
ab. *nigra (Amara lunicollis, ab.)* LETZNER 1852
ab. *nigricornis (Amara lunicollis, ab.)* LETZNER 1852
ab. *nigroaenea (Amara lunicollis, ab.)* LETZNER 1852
ab. *punctulata (Amara lunicollis, ab.)* LETZNER 1852
ab. *rugulosa (Amara lunicollis, ab.)* LETZNER 1852
ab. *tibialis (Amara lunicollis, ab.)* LETZNER 1852
ab. *tripunctata (Amara lunicollis, ab.)* LETZNER 1852
ab. *versicolor (Amara lunicollis, ab.)* LETZNER 1852
ab. *virescens (Amara lunicollis, ab.)* LETZNER 1852
ab. *viridis (Amara lunicollis, ab.)* LETZNER 1852
= *brunnipes (Amara lunicollis, syn.)* LETZNER 1852
= *picipes (Amara lunicollis, syn.)* LETZNER 1852
= *rufiventris (Amara lunicollis, syn.)* LETZNER 1852
= *inepta (Amara)* LECONTE 1855
= *marquettensis (Amara)* CASEY 1918
= *fatrica (Amara)* ROUBAL 1922
= *carriana (Amara)* CASEY 1924
= *arsenjevi (Amara)* LUTSHNIK 1935
= *erratica graculoides (Amara lunicollis, syn.)* JEANNEL 1942
= *zaisani (Amara)* JEDLIªKA 1964

31 ***magnicollis (Amara)*** TSCHITSCHÉRINE 1894 `------------------TUVW-Y-`
= *ovula (Amara)* POPPIUS 1907
= *sericata (Amara)* LUTSHNIK 1935

32 ***montivaga (Amara)*** STURM 1825 `A-CDE-G------------------`
ab. *aurichalcea (Amara montivaga, ab.)* LETZNER 1852
ab. *bicolor (Amara montivaga, ab.)* LETZNER 1852
ab. *brunnicornis (Amara montivaga, ab.)* LETZNER 1852
ab. *cuprina (Amara montivaga, ab.)* LETZNER 1852
ab. *foveolata (Amara montivaga, ab.)* LETZNER 1852
ab. *fuscipes (Amara montivaga, ab.)* LETZNER 1852
ab. *genuina (Amara montivaga, ab.)* LETZNER 1852
ab. *nigra (Amara montivaga, ab.)* LETZNER 1852
ab. *nigroaenea (Amara montivaga, ab.)* LETZNER 1852
ab. *rugulosa (Amara montivaga, ab.)* LETZNER 1852
ab. *tibialis (Amara montivaga, ab.)* LETZNER 1852
ab. *viridis (Amara montivaga, ab.)* LETZNER 1852
= *brunnipes (Amara montivaga, syn.)* LETZNER 1852
= *picipes (Amara montivaga, syn.)* LETZNER 1852

33 ***morio (Amara)*** MÉNÉTRIÉS 1832 `---D--G-I-----OP-RSTUV--Y-`
ssp. ***morio (Amara morio, ssp.)*** MÉNÉTRIÉS 1832 `------G-I-----------------`
ssp. ***bamidunyae (Amara morio, ssp.)*** H.BATES 1878 `---D----------OP-RSTUV--Y-`
= *laevipennis (Amara)* POPPIUS 1907 [non KIRBY 1837]
= *algida (Amara morio, syn.)* ANDREWES 1930
= *dobzhanskyi (Amara morio, syn.)* LUTSHNIK 1935
= *jedlithskaiana (Amara morio, syn.)* LUTSHNIK 1935
= *silemi (Amara)* JEDLIªKA 1957
= *viridana (Amara morio, syn.)* JEDLIªKA 1961
= *turkestanica (Amara)* CSIKI 1929

34 ***nigricornis (Amara)*** THOMSON 1857 `-B--------KLM------TU-----`
= *melanocera (Amara)* TSCHITSCHÉRINE 1899 [non LETZNER 1852]
= *natvigi (Amara)* CSIKI 1929 [nom. pro *melanocera* TSCHIT. 1899]
= *manca (Amara)* JEDLIªKA 1957

35 ***nitida (Amara)*** STURM 1825 `ABCD------KLMN-----TUVW-YZ`
ssp. ***nitida (Amara nitida, ssp.)*** STURM 1825 `ABCD------KLMN-----TUV----`
= *laticollis (Amara nitida, syn.)* STEPHENS 1828
= *sinuata (Amara nitida, syn.)* MOTSCHULSKY 1844
= *suturalis (Amara)* MOTSCHULSKY 1850 [nom. nud.]
ab. *cuprina (Amara nitida, ab.)* LETZNER 1852
ab. *depressa (Amara nitida, ab.)* LETZNER 1852
ab. *genuina (Amara nitida, ab.)* LETZNER 1852
ab. *impunctata (Amara nitida, ab.)* LETZNER 1852
ab. *nigrita (Amara nitida, ab.)* LETZNER 1852
ab. *nigroaenea (Amara nitida, ab.)* LETZNER 1852
ab. *plana (Amara nitida, ab.)* LETZNER 1852
ab. *quadrifoveolata (Amara nitida, ab.)* LETZNER 1852
ab. *rugulosa (Amara nitida, ab.)* LETZNER 1852
ab. *versicolor (Amara nitida, ab.)* LETZNER 1852
= *brunnipes (Amara nitida, syn.)* LETZNER 1852

= *picipes (Amara nitida, syn.)* LETZNER 1852
ab. *punctulata (Amara nitida, ab.)* DALLA TORRE 1877
ab. *simplex (Amara nitida, ab.)* DALLA TORRE 1877
= *guentheri (Amara nitida, syn.)* J.SAHLBERG 1886
ab. *imbella (Amara nitida, ab.)* REITTER 1908
ssp. ***orienticola (Amara nitida, ssp.)*** LUTSHNIK 1935 ----------UVW-YZ
= *imitatrix (Amara nitida, syn.)* LUTSHNIK 1935 [non W.HORN 1892]
= *kenteiana (Amara nitida, syn.)* LUTSHNIK 1935
= *orientalis (Amara nitida, syn.)* LUTSHNIK 1935 [non HOPE 1845]
= *consimilis (Amara nitida, syn.)* BALIANI 1938

36 ***obscuripes (Amara)*** H.BATES 1873 ----------Y-
= *caliginosa (Amara)* LUTSHNIK 1935
= *friebi (Amara)* JEDLIᵃKA 1946
= *fukiensis (Amara)* JEDLIᵃKA 1957

37 ***ogloblini (Amara)*** LUTSHNIK 1934 ----------T-V----
= *creda (Amara)* JEDLIᵃKA 1957

38 (***ovata (Amara)*** FABRICIUS 1792) ABCDEFGHI-KLMNOP-R-TUV-XY-
= (*trivialis (Amara)* DUFTSCHMID 1812)
= *laevigata (Amara)* DEJEAN 1821 [nom. nud.]
= *pratensis (Amara)* STURM 1825
= *incisa (Amara)* GRIMMER 1841
= *adamantina (Amara)* KOLENATI 1845
ab. *bicolor (Amara ovata, ab.)* KOLENATI 1845
ab. *excepta (Amara ovata, ab.)* KOLENATI 1845
ab. *aurichalcea (Amara ovata, ab.)* LETZNER 1852
ab. *brunnicornis (Amara ovata, ab.)* LETZNER 1852
= *brunnipes (Amara ovata, syn.)* LETZNER 1852
ab. *coerulescens (Amara ovata, ab.)* LETZNER 1852
ab. *cuprina (Amara ovata, ab.)* LETZNER 1852
ab. *detrita (Amara ovata, ab.)* LETZNER 1852
= *fuscipes (Amara ovata, syn.)* LETZNER 1852
ab. *nigra (Amara ovata, ab.)* LETZNER 1852
ab. *nigroaenea (Amara ovata, ab.)* LETZNER 1852
= *picipes (Amara ovata, syn.)* LETZNER 1852
ab. *planata (Amara ovata, ab.)* LETZNER 1852
ab. *punctata (Amara ovata, ab.)* LETZNER 1852
ab. *quadrifemorata (Amara ovata, ab.)* LETZNER 1852
ab. *rugosa (Amara ovata, ab.)* LETZNER 1852
ab. *tibialis (Amara ovata, ab.)* LETZNER 1852
ab. *unipunctata (Amara ovata, ab.)* LETZNER 1852
ab. *versicolor (Amara ovata, ab.)* LETZNER 1852
ab. *viridis (Amara ovata, ab.)* LETZNER 1852
= *audax (Amara)* GISTEL 1857
= *sarsi (Amara)* MÜNSTER 1927
= *melanochlora (Amara)* LUTSHNIK 1933
= *similatoides (Amara)* JEDLIᵃKA 1934
= *tristis (Amara)* BALIANI 1936
= *kaulbacki (Amara)* BALIANI 1938
= *aequatorialis (Amara)* BALIANI 1939

39 ***proxima (Amara)*** PUTZEYS 1866 ------GH----------
= *intermedia (Amara)* CHAUDOIR 1846 [non MOTSCHULSKY 1844]
= *proxima (Amara)* E.FRIVALDSZKY 1877 [non PUTZEYS 1866]
= *pindica (Amara)* APFELBECK 1904
= *frivaldszkyi (Amara)* JACOBSON 1905 [nom. pro *proxima* E.FRIVALDSZKY 1877]
= *arpadis (Amara)* CSIKI 1907 [nom. pro *proxima* E.FRIVALDSZKY 1877]

40 ***saphyrea (Amara)*** DEJEAN 1828 AB----------
= *saphyrina (Amara)* auct.
= *sapphirea (Amara)* auct.
= *franki (Amara)* ROUBAL 1929
ab. *infidelis (Amara saphyrea, ab.)* ROUBAL 1939

41 ***schilenkowi (Amara)*** HIEKE 1988 ----------U-W-Y-

42 ***schimperi (Amara)*** WENCKER 1866 A----------
= *meschniggi (Amara)* KULT 1948

43 ***sericea (Amara)*** JEDLIᵃKA 1953[395] ----------Y-

44 ***silvestrii (Amara)*** BALIANI 1936 ----------Y-

45 (***similata (Amara)*** GYLLLENHAL 1810) ABCDEFG--JK-MNOP-RSTUVWXY-
= (*obsoleta (Amara)* DUFTSCHMID 1812) [sensu DEJEAN 1828]
= *depressa (Amara)* ZIMMERMANN 1832
= *agilis (Amara)* RYLANDS 1841
ab. *antennata (Amara similata, ab.)* LETZNER 1852
ab. *brunnea (Amara similata, ab.)* LETZNER 1852
ab. *brunnicornis (Amara similata, ab.)* LETZNER 1852
ab. *brunnipes (Amara similata, ab.)* LETZNER 1852
ab. *coerulescens (Amara similata, ab.)* LETZNER 1852
ab. *cuprescens (Amara similata, ab.)* LETZNER 1852
ab. *depressa (Amara similata, ab.)* LETZNER 1852
ab. *elevata (Amara similata, ab.)* LETZNER 1852
ab. *genuina (Amara similata, ab.)* LETZNER 1852
ab. *hybrida (Amara similata, ab.)* LETZNER 1852
ab. *impunctata (Amara similata, ab.)* LETZNER 1852
ab. *marginata (Amara similata, ab.)* LETZNER 1852
ab. *montana (Amara similata, ab.)* LETZNER 1852
ab. *nigra (Amara similata, ab.)* LETZNER 1852
ab. *nigripes (Amara similata, ab.)* LETZNER 1852
ab. *nigroaenea (Amara similata, ab.)* LETZNER 1852
ab. *picipes (Amara similata, ab.)* LETZNER 1852
ab. *punctata (Amara similata, ab.)* LETZNER 1852
ab. *quadrifoveolata (Amara similata, ab.)* LETZNER 1852
ab. *tibialis (Amara similata, ab.)* LETZNER 1852
ab. *tripunctata (Amara similata, ab.)* LETZNER 1852

395 A good species omitted in Lafer's (1992) keys and occurring in Cisamuria and the Maritime Province (V. Shilenkov) .

ab. *unipunctata (Amara similata, ab.)* LETZNER 1852
ab. *versicolor (Amara similata, ab.)* LETZNER 1852
ab. *virescens (Amara similata, ab.)* LETZNER 1852
ab. *viridis (Amara similata, ab.)* LETZNER 1852
= *brunniventris (Amara similata, syn.)* LETZNER 1852
= *curvicra (Amara)* THOMSON 1872
ab. *nigrescens (Amara similata, ab.)* DALLA TORRE 1877
ab. *steppensis (Amara similata, ab.)* TSCHITSCHÉRINE 1895
ab. *sulcipennis (Amara similata, ab.)* POPPIUS 1907
ab. *depressaria (Amara similata, ab.)* LUTSHNIK 1915
= *maghrebica (Amara)* ANTOINE 1940

46 ***spreta (Amara)*** DEJEAN 1831 `ABCD------K-MNO--R-TU-----`
ab. *aberrata (Amara spreta, ab.)* LETZNER 1852
ab. *antennata (Amara spreta, ab.)* LETZNER 1852
ab. *fuscocuprea (Amara spreta, ab.)* LETZNER 1852
ab. *genuina (Amara spreta, ab.)* LETZNER 1852
ab. *impunctata (Amara spreta, ab.)* LETZNER 1852
ab. *insignis (Amara spreta, ab.)* LETZNER 1852
ab. *nigra (Amara spreta, ab.)* LETZNER 1852
ab. *nigrescens (Amara spreta, ab.)* LETZNER 1852
ab. *nigroaenea (Amara spreta, ab.)* LETZNER 1852
ab. *notata (Amara spreta, ab.)* LETZNER 1852
ab. *rufipes (Amara spreta, ab.)* LETZNER 1852
ab. *rugulosa (Amara spreta, ab.)* LETZNER 1852
ab. *signaticornis (Amara spreta, ab.)* LETZNER 1852
ab. *subimpressa (Amara spreta, ab.)* LETZNER 1852
ab. *tripunctata (Amara spreta, ab.)* LETZNER 1852
ab. *ventralis (Amara spreta, ab.)* LETZNER 1852
ab. *versicolor (Amara spreta, ab.)* LETZNER 1852
= *femorata (Amara spreta, syn.)* LETZNER 1852
= *rufiventris (Amara spreta, syn.)* LETZNER 1852
= *bipartita (Amara)* MOTSCHULSKY 1860
ab. *viridis (Amara spreta, ab.)* SCHILSKY 1888
ab. *nigripes (Amara spreta, ab.)* SCHILSKY 1908
ab. *nigricornis (Amara spreta, ab.)* DELAHON 1914
ab. *iljinskyi (Amara spreta, ab.)* LUTSHNIK 1915
ab. *alexandrovi (Amara spreta, ab.)* LUTSHNIK 1930

47 (***tibialis (Amara)*** PAYKULL 1798) `ABCD--G-IJK-MN---R-TUV--YZ`
= (*viridis (Amara)* DUFTSCHMID 1812)
= *obscura (Amara)* MOTSCHULSKY 1845
ab. *acutangula (Amara tibialis, ab.)* LETZNER 1852
ab. *angulata (Amara tibialis, ab.)* LETZNER 1852
ab. *brunneofemorata (Amara tibialis, ab.)* LETZNER 1852
ab. *cuprea (Amara tibialis, ab.)* LETZNER 1852
ab. *elevata (Amara tibialis, ab.)* LETZNER 1852
ab. *exarata (Amara tibialis, ab.)* LETZNER 1852
ab. *genuina (Amara tibialis, ab.)* LETZNER 1852
ab. *impunctata (Amara tibialis, ab.)* LETZNER 1852
ab. *manca (Amara tibialis, ab.)* LETZNER 1852
ab. *marginata (Amara tibialis, ab.)* LETZNER 1852
ab. *nigroaenea (Amara tibialis, ab.)* LETZNER 1852
ab. *nigrocoerulea (Amara tibialis, ab.)* LETZNER 1852
ab. *rufescens (Amara tibialis, ab.)* LETZNER 1852
ab. *versicolor (Amara tibialis, ab.)* LETZNER 1852
= *brunniventris (Amara tibialis, syn.)* LETZNER 1852
= *femorata (Amara tibialis, syn.)* LETZNER 1852
ab. *melaena (Amara tibialis, ab.)* SCHILSKY 1908
ab. *omnistriata (Amara tibialis, ab.)* DELAHON 1917

48 ***ussuriensis (Amara)*** LUTSHNIK 1935 `------------------TUV-XYZ`
= *mandli (Amara)* JEDLIªKA 1957
= *sutschanensis (Amara)* JEDLIªKA 1957

49 ***violacea (Amara)*** MOTSCHULSKY 1844 `--------------------UV--Y-`

Subgenus ***Celia*** ZIMMERMANN 1832

Type species: *Harpalus bifrons* GYLLLENHAL 1810

= *Acrodon* ZIMMERMANN 1831
Type species: *Harpalus brunneus* GYLLLENHAL 1810

= *Isopleurus* KIRBY 1837
Type species: *Amara nitida* KIRBY 1837

= *Amarocelia* MOTSCHULSKY 1862
Type species: *Amara punctatostriata* MOTSCHULSKY 1860 [= *A.interstitialis* DEJEAN 1828]

= *Bradycelia* LAFER 1989
Type species: *Amara egorovi* LAFER 1978

50 ***alacris (Amara)*** TSCHITSCHÉRINE 1899 `-----------------------Y-`
= *alini (Amara)* JEDLIªKA 1942
= *egorovi (Amara)* LAFER 1978

51 ***abbreviata (Amara)*** CHAUDOIR 1848 `--------------O--RS-------`
= *picina (Amara)* SOLSKY 1874
= *belizini (Amara)* LUTSHNIK 1933
= *shiita (Amara)* LUTSHNIK 1933
= *harrisoni (Amara)* BALIANI 1934

52 ***ambulans (Amara)*** ZIMMERMANN 1832 `---D-FG-I----NOP-RST------`
= (*inderiensis (Amara)* MOTSCHULSKY 1850)
= *dagestana (Amara)* JEDLIªKA 1962

53 (***bifrons (Amara)*** GYLLLENHAL 1810) `ABCD-FG-IJK-MNO--R-T------`
? (*orichalcicus (Amara)* O.MÜLLER 1776) [nom. obl.]
= *discrepans (Amara)* STEPHENS 1828
= *zimmermanni (Amara)* HEER 1837
= *livida (Amara)* SCHI¥DTE 1841 [non FABRICIUS 1801]
ab. *abbreviata (Amara bifrons, ab.)* LETZNER 1852
ab. *ferrea (Amara bifrons, ab.)* LETZNER 1852
ab. *genuina (Amara bifrons, ab.)* LETZNER 1852

ab. *nigrescens (Amara bifrons, ab.)* LETZNER 1852
ab. *obtusa (Amara bifrons, ab.)* LETZNER 1852
ab. *subacuminata (Amara bifrons, ab.)* LETZNER 1852
ab. *subimpressa (Amara bifrons, ab.)* LETZNER 1852
= *fulva (Amara bifrons, syn.)* LETZNER 1852
= *rufa (Amara bifrons, syn.)* LETZNER 1852
= *ventralis (Amara bifrons, syn.)* LETZNER 1852
ab. *picipes (Amara bifrons, ab.)* DALLA TORRE 1877
= *longiceps (Amara)* SEIDLITZ 1887
= (*kleini (Amara)* SCHULER 1964)

54 (***brunnea (Amara)*** GYLLLENHAL 1810) ABCD------KLMN-----TU-W---
= (*lapponica (Amara)* C.R.SAHLBERG 1827)
= *sahlbergi (Amara brunnea, syn.)* ZETTERSTEDT 1838 [nom. pro *lapponica* C.SAHLBERG 1827]
ab. *subimpressa (Amara brunnea, ab.)* LETZNER 1852
= *ferruginea (Amara brunnea, syn.)* LETZNER 1852
= *amplicollis (Amara)* MANNERHEIM 1853
= (*mongolica (Amara)* JEDLIªKA 1966)

55 ***consobrina (Amara)*** MÄKLIN 1880 --------------------U----- Krasnoyarsk Prov.

56 ***cursitans (Amara)*** ZIMMERMANN 1832 ---DE-G-I-----------------
= *fuscicornis (Amara)* ZIMMERMANN 1832
= *properans (Amara)* ZIMMERMANN 1832
= *ougsburgeri (Amara)* HEER 1837
= *municipalis (Amara)* SCHI¥DTE 1841 [non DUFTSCHMID 1812]
ab. *acuminata (Amara cursitans, ab.)* LETZNER 1852
ab. *fassatii (Amara cursitans, ab.)* KULT 1944
ab. *femorata (Amara cursitans, ab.)* LETZNER 1852
ab. *genuina (Amara cursitans, ab.)* LETZNER 1852
ab. *marginata (Amara cursitans, ab.)* LETZNER 1852
ab. *tripunctata (Amara cursitans, ab.)* LETZNER 1852
ab. *virescens (Amara cursitans, ab.)* LETZNER 1852
= *oculata (Amara)* HELLIESEN 1912
= *arnoldii (Amara)* LUTSHNIK 1934
= (*bernhardti (Amara)* SCHULER 1964)
= (*municipalis cerdanica (Amara)* AUBRY 1970)
= (*fuscicornis cerdanica (Amara)* AUBRY 1972)

57 (***erratica (Amara)*** DUFTSCHMID 1812) AB----G---KLMN---R-TUVWXYZ
= *punctulata (Amara)* DEJEAN 1828
= *graculus (Amara)* HEER 1837
ab. *melanaria (Amara erratica, ab.)* HEER 1837
ab. *rufilabris (Amara erratica, ab.)* HEER 1837
ab. *versicolr (Amara erratica, ab.)* HEER 1837
= *septentrionalis (Amara)* SCHI¥DTE 1837
= *affinis (Amara)* MOTSCHULSKY 1850 [non DEJEAN 1828]
ab. *antennata (Amara erratica, ab.)* LETZNER 1852
ab. *atra (Amara erratica, ab.)* LETZNER 1852
ab. *aurichalcea (Amara erratica, ab.)* LETZNER 1852
ab. *bicolor (Amara erratica, ab.)* LETZNER 1852
ab. *cuprea (Amara erratica, ab.)* LETZNER 1852
ab. *depressa (Amara erratica, ab.)* LETZNER 1852
ab. *genuina (Amara erratica, ab.)* LETZNER 1852
ab. *mandibularis (Amara erratica, ab.)* LETZNER 1852
ab. *marginata (Amara erratica, ab.)* LETZNER 1852
ab. *minor (Amara erratica, ab.)* LETZNER 1852
ab. *nigroaenea (Amara erratica, ab.)* LETZNER 1852
ab. *rugulosa (Amara erratica, ab.)* LETZNER 1852
ab. *subfoveolata (Amara erratica, ab.)* LETZNER 1852
ab. *tripunctata (Amara erratica, ab.)* LETZNER 1852
ab. *unifoveolata (Amara erratica, ab.)* LETZNER 1852
ab. *viridis (Amara erratica, ab.)* LETZNER 1852
= *rufipes (Amara erratica, syn.)* LETZNER 1852
= *ventralis (Amara erratica, syn.)* LETZNER 1852
= (*nivina (Amara)* GISTEL 1857)
= (*rugulosa (Amara)* GISTEL 1857)
= (*trophina (Amara)* GISTEL 1857)
= (*xenechthum (Amara)* GISTEL 1857)
= *obscuricornis (Amara)* MOTSCHULSKY 1859
= *sibirica (Amara)* CSIKI 1929
= *torva (Amara)* LUTSHNIK 1933
= *caucasicola (Amara)* LUTSHNIK 1935
= *cupricolor (Amara)* NAKANE 1963

58 ***interstitialis (Amara)*** DEJEAN 1828 ---D------KL--------U-WXY-
= *borealis (Amara)* MOTSCHULSKY 1844
= *nigricornis (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *punctatostriata (Amara)* MOTSCHULSKY 1860
ab. *puncticollis (Amara interstitialis, ab.)* J.SAHLBERG 1875
= *fennica (Amara interstitialis, syn.)* CSIKI 1929 [nom. pro *puncticollis* J.SAHLBERG 1875]
= *tschitaensis (Amara)* JEDLIªKA 1957

59 ***freyi (Amara)*** BALIANI 1943 ------------------S-------

60 ***fudjiii (Amara)*** TANAKA 1959 ------------------------Z

61 ***fusca (Amara)*** DEJEAN 1828 A--D-FGH-----NOP----------
= *complanata (Amara)* DEJEAN 1828
= *rufa (Amara)* MÉNÉTRIÉS 1832
= *mesatlantica (Amara)* ANTOINE 1953
= *theryi (Amara)* ANTOINE 1953
= *viversi (Amara)* JEANNE 1985

62 ***hicksi (Amara)*** LINDROTH 1966 --------------------UVWX--

63 (***infima (Amara)*** DUFTSCHMID 1812) -BCD--GH--K-MNO--R-TU-----
= *granaria (Amara)* DEJEAN 1828
ab. *elevata (Amara infima, ab.)* LETZNER 1852
ab. *femorata (Amara infima, ab.)* LETZNER 1852
ab. *genuina (Amara infima, ab.)* LETZNER 1852
ab. *manca (Amara infima, ab.)* LETZNER 1852
ab. *mandibularis (Amara infima, ab.)* LETZNER 1852

ab. *tripunctata (Amara infima, ab.)* LETZNER 1852
ab. *wagneri (Amara infima, ab.)* DELAHON 1926
= *baeckmanni (Amara)* LUTSHNIK 1933
64 (***ingenua (Amara)*** DUFTSCHMID 1812) ABCD-FGH--K-MNOP-RSTUV----
= (*liberta (Amara)* DUFTSCHMID 1812)
= *subaenea (Amara)* STURM 1825
= *ruficornis (Amara)* DEJEAN 1828
ab. *acuminata (Amara ingenua, ab.)* LETZNER 1852
ab. *genuina (Amara ingenua, ab.)* LETZNER 1852
ab. *virescens (Amara ingenua, ab.)* LETZNER 1852
ab. *metallescens (Amara ingenua, ab.)* DALLA TORRE 1879
65 ***iturupensis (Amara)*** LAFER 1978 ----------Z
66 ***lucidissima (Amara)*** BALIANI 1932 ----------Y-
= *kuatensis (Amara)* JEDLIªKA 1955
= *nipponica (Amara)* HABU 1959
= *nigromontana (Amara)* LAFER 1978
67 ***microphthalma (Amara)*** BALIANI 1943 ----------TU----- Uc
= *foveibasis (Amara)* JEDLIªKA 1956 **Stat. nov.**[396]
68 ***misella (Amara)*** MILLER 1868 A----------
69 (***municipalis (Amara)*** DUFTSCHMID 1812) ABCDEFGH--K-MNOP-R-TU-----
ssp. (***municipalis (Amara municipalis, ssp.)*** DUFTSCHMID 1812) ABCDEFG---KLMNOP-R-TU-----
= *modesta (Amara municipalis, syn.)* DEJEAN 1828
= *compos (Amara municipalis, syn.)* STEVEN 1829
= *melancholica (Amara municipalis, syn.)* SCHI¥DTE 1837
= (*dilatata (Amara municipalis, syn.)* MOTSCHULSKY 1844)
= (*laevigata (Amara municipalis, syn.)* MOTSCHULSKY 1844)
= *fragmentaria (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *aerumnosa (Amara municipalis, syn.)* LUTSHNIK 1933
ssp. ***bischoffi (Amara municipalis, ssp.)*** JEDLIªKA 1946 ------GH----------
70 (***praetermissa (Amara)*** C.R.SAHLBERG 1827) ABC---GH--KLMNO----TU-WX--
= *grandicollis (Amara)* DEJEAN 1821 [nom. nud.]
= *pallens (Amara)* STURM 1825 [nom. obl.]
= *rufocincta (Amara)* C.R.SAHLBERG 1827
= *grandicollis (Amara)* ZIMMERMANN 1832
= *oreophila (Amara)* ZIMMERMANN 1832
ab. *seileri (Amara praetermissa, ab.)* ZIMMERMANN 1832
= *ferruginea (Amara praetermissa, syn.)* LETZNER 1852
ab. *ruficeps (Amara praetermissa, ab.)* LETZNER 1852
= (*solitaris (Amara)* GISTEL 1857)
= *indivisa (Amara)* PUTZEYS 1871
ab. *nigricans (Amara praetermissa, ab.)* SCHILSKY 1888
= *transcaucasica (Amara)* LUTSHNIK 1935
= *monticusta (Amara)* KHNZORIAN 1957
71 ***quadrifossulata (Amara)*** CSIKI 1929 ----------R-T------ TabRab
= (*quadrifoveolata (Amara)* BALLION 1878) [non LETZNER 1852]
= *nikolaevi (Amara)* HIEKE [nom. nud.]
72 ***rupicola (Amara)*** ZIMMERMANN 1832 ----------O----TUV--Y-
= *diluta (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *marginicollis (Amara)* A.MORAWITZ 1862
= *ambigena (Amara)* H.BATES 1878
= *tiruca (Amara)* ANDREWES 1924
= *faucium (Amara)* ANDREWES 1930
= *rubroangulata (Amara)* BALIANI 1938
73 ***sabulosa (Amara)*** SERVILLE 1821 A--D-F----------
= *sabulicola (Amara)* auct. [incorr. emend.]
= *barnevillei (Amara)* FAIRMAIRE 1856
74 (***saginata (Amara)*** MÉNÉTRIÉS 1847) ---D----------OP---TUV--Y-
= *laticarpa (Amara)* H.BATES 1873
= (*laevicollis (Amara)* MÄKLIN 1877)
= *vilis (Amara)* TSCHITSCHÉRINE 1894
= *roubali (Amara)* MAKOLSKI 1928
= *commentabilis (Amara)* LUTSHNIK 1933
= *sibiricola (Amara)* LUTSHNIK 1934
= *transversicollis (Amara)* BALIANI 1943
= *begeri (Amara)* JEDLIªKA 1968
= *krivolutzkajae (Amara)* LAFER 1989
75 ***sichotana (Amara)*** LAFER 1978 ----------YZ
76 ***sollicita (Amara)*** PANTÉL 1888 ---DE---I----------
= *alluaudi (Amara)* PAULIAN et VILLERS 1939
= *balcanica (Amara)* BALIANI 1939
= *rektoriki (Amara)* KULT 1953
77 ***solskyi (Amara)*** HEYDEN 1881 ----------TUV--Y-
= (*rotundicollis (Amara)* SOLSKY 1875) [non SCHAUFUSS 1862]
78 (***tartariae (Amara)*** H.BATES 1878) ----------RS------- Rabcd
= *klickai (Amara)* JEDLIªKA 1928
= *basilevskyi (Amara)* LUTSHNIK 1935 Inylchek
79 ***vagans (Amara)*** TSCHITSCHÉRINE 1897 ----------Y-
80 ***viridescens (Amara)*** REITTER 1883 ------G---------- Gb234

Subgenus ***Reductocelia*** LAFER 1989

Type species: *Amara kuznetzovi* LAFER 1989

81 ***kuznetzovi (Amara)*** LAFER 1989 ----------Z

Subgenus ***Paracelia*** BEDEL 1899

Type species: *Amara simplex* DEJEAN 1828

82 (***quenseli (Amara)*** SCHÖNHERR 1806) ABCD--G-I-KLMN---R-TUVWX--
ssp. (***quenseli (Amara quenseli, ssp.)*** SCHÖNHERR 1806) A---------- Aa
= (*despecta (Amara)* C.R.SAHLBERG 1827)

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396 Considered earlier as a synonym of *A. solskyi* Heyd., the latter taxon ranging up to Cisbaikalia, *A. foveibasis* Jedl. has been originally described from the Altais and actually refers to the Altai-Sayan endemic *A. microphthalma* Bal. (V. Shilenkov) .

= *remotestriata (Amara)* DEJEAN 1828
= *monticola (Amara)* DEJEAN 1831
= *remota (Amara)* ZIMMERMANN 1832
= *marginata (Amara)* HEER 1837
= (*microcephala (Amara)* MOTSCHULSKY 1844)
= *antennata (Amara)* ROSENHAUER 1847 [non LETZNER 1852]
= (*terrestris (Amara)* LECONTE 1848)
ab. *rufopicea (Amara quenseli, ab.)* LETZNER 1852
= (*indistincta (Amara)* MANNERHEIM 1853)
= (*relucens (Amara)* MANNERHEIM 1853)
= (*sylvatica (Amara)* GISTEL 1857)
= (*purpurascens (Amara)* MOTSCHULSKY 1859)
= *femoralis (Amara)* W.HORN 1892 [non DEJEAN 1831]
= (*brumalis (Amara)* CASEY 1918)
= (*brunnescens (Amara)* CASEY 1918)
= (*defecta (Amara)* CASEY 1918)
= (*definita (Amara)* CASEY 1918)
= (*docilis (Amara)* CASEY 1918)
= (*eldorensis (Amara)* CASEY 1918)
= (*exposita (Amara)* CASEY 1918)
= (*fontinalis (Amara)* CASEY 1918)
= (*laxicollis (Amara)* CASEY 1918)
= (*mimica (Amara)* CASEY 1918)
= (*obligata (Amara)* CASEY 1918)
= (*cervicalis (Amara)* CASEY 1924)
= (*explanata (Amara)* CASEY 1924)
= (*piperi (Amara)* CASEY 1924)
= (*tahomae (Amara)* CASEY 1924)
= (*washoeana (Amara)* CASEY 1924)
= *horni (Amara)* CSIKI 1929 [nom. pro *femoralis* W.HORN 1892]
ssp. ***silvicola (Amara quenseli, ssp.)*** ZIMMERMANN 1832 `ABCD--G-I-KLMN---R-TUVWX--`
ab. *piceonigra (Amara quenseli, ab.)* HEER 1837
= *maritima (Amara)* SCHI¥DTE 1841
ab. *aberrata (Amara quenseli, ab.)* LETZNER 1852
ab. *angustata (Amara quenseli, ab.)* LETZNER 1852
ab. *antennata (Amara quenseli, ab.)* LETZNER 1852
ab. *fusca (Amara quenseli, ab.)* LETZNER 1852
ab. *genuina (Amara quenseli, ab.)* LETZNER 1852
ab. *nitens (Amara quenseli, ab.)* LETZNER 1852
ab. *obtusa (Amara quenseli, ab.)* LETZNER 1852
ab. *subpunctata (Amara quenseli, ab.)* LETZNER 1852
= *subtruncata (Amara quenseli, syn.)* auct.
ab. *ventralis (Amara quenseli, ab.)* LETZNER 1852

83 ***saxicola (Amara)*** ZIMMERMANN 1831 `---DEF--I-----OPQRST------`
= *tescicola (Amara)* ZIMMERMANN 1831
= *rufoaenea (Amara)* FALDERMANN 1838
= *volcanica (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *schneideri (Amara)* PUTZEYS 1877
= *eurydera (Amara)* TSCHITSCHÉRINE 1895
= *shamiliana (Amara)* LUTSHNIK 1933

84 ***sedula (Amara)*** LUTSHNIK 1930 `------------------S------- Sa`

85 ***pulchra (Amara)*** BALIANI 1943 `------G------------------- Gab1`

86 ***cardionota (Amara)*** PUTZEYS 1877 `---------------P--S-------`
= *strandtiana (Amara)* LUTSHNIK 1934

87 ***cardionotoides (Amara)*** HIEKE 1984 `------------------S------- Se`

88 (***frivola (Amara)*** H.BATES 1878) `-----------------RS------- RbcdS`
= *issykkulensis (Amara)* JEDLI²KA 1969

Subgenus ***Oreoamara*** LUTSHNIK 1927

Type species: *Amara cordicollis* MÉNÉTRIÉS 1832

89 (***calathoides (Amara)*** PUTZEYS 1866) `------G------------------- Gb2c1`
= *tianshanskyi (Amara)* LUTSHNIK 1934

90 ***cordicollis (Amara)*** MÉNÉTRIÉS 1832 `------G------------------- all Caucasus Major, especially N macroslope`
= *laticollis (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *colchica (Amara)* LUTSHNIK 1934
= *reichardti (Amara)* LUTSHNIK 1934

91 ***consors (Amara)*** TSCHITSCHÉRINE 1893[397] `----------------------V----`

92 (***subdepressa (Amara)*** PUTZEYS 1866) `------G------------------- Gbc: high altitudes`
= (*planipennis (Amara)* PUTZEYS 1866)
= *roubaliana (Amara)* LUTSHNIK 1934
= *chevsura (Amara)* LUTSHNIK 1934

Subgenus ***Iranoleiridis*** HIEKE 1978

Type species: *Amara astabadensis* LUTSHNIK 1935

93 ***astrabadensis (Amara)*** LUTSHNIK 1935 `---------------P----------`
= *transcaspia (Amara)* KRYZHANOVSKIJ 1968 [non BRANCSIK 1899]

Subgenus ***Bradytulus*** TSCHITSCHÉRINE 1894

Type species: *Amara hanhaica* TSCHITSCHÉRINE 1894

94 ***hanhaica (Amara)*** TSCHITSCHÉRINE 1894 `-------------------T------`
= *aimaki (Amara)* JEDLI²KA 1964

Subgenus ***Bradytus*** STEPHENS 1828

Type species: *Carabus ferrugineus* ROSSI 1790

= *Pseudobradytus* CSIKI 1908

Type species: *Amara crenata* DEJEAN 1828

= *Pseudocelia* LUTSHNIK 1935

Type species: *Amara tschitscherini* LUTSHNIK 1935

95 ***amplipennis (Amara)*** BALIANI 1943 `--------------------UV--Y- Uc`

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397 The identity of the species remains dubious (V. Shilenkov) .

96 (***apricaria (Amara)*** PAYKULL 1790) ABCDEFGHIJKLMNOP-RSTUVW---
= (*analis (Amara)* FABRICIUS 1801)
= *petri (Amara)* HUMMEL 1825
= *convexilabris (Amara)* SCHI¥DTE 1837
ab. *rhaetica (Amara apricaria, ab.)* HEER 1837
= (*parallelus (Amara)* CHAUDOIR 1842)
= (*elevatus (Amara)* MOTSCHULSKY 1845)
ab. *major (Amara apricaria, ab.)* CHAUDOIR 1848
ab. *aberrata (Amara apricaria, ab.)* LETZNER 1852
ab. *angulata (Amara apricaria, ab.)* LETZNER 1852
ab. *laevicollis (Amara apricaria, ab.)* LETZNER 1852
ab. *picea (Amara apricaria, ab.)* LETZNER 1852
ab. *plana (Amara apricaria, ab.)* LETZNER 1852
ab. *punctulata (Amara apricaria, ab.)* LETZNER 1852
ab. *rugulosa (Amara apricaria, ab.)* LETZNER 1852
= *fulva (Amara apricaria, syn.)* LETZNER 1852
= *minor (Amara apricaria, syn.)* LETZNER 1852
= *rubida (Amara apricaria, syn.)* LETZNER 1852
= *rufa (Amara apricaria, syn.)* LETZNER 1852
ab. *fusca (Amara apricaria, ab.)* DALLA TORRE 1879
ab. *obscura (Amara apricaria, ab.)* DALLA TORRE 1879
ab. *testacea (Amara apricaria, ab.)* DALLA TORRE 1879
ab. *violaceopennis (Amara apricaria, ab.)* JEDLI³KA 1967
= *pygmaea (Amara)* COUPER 1865
= *putzeysi (Amara)* W.HORN 1875 [non FAIRMAIRE 1867]
= *putzeysiana (Amara)* CSIKI 1928 [nom. pro *putzeysi* W.HORN 1875]
= *baschkiricus (Amara)* SCHWEIGER 1966

97 ***arcticola (Amara)*** POPPIUS 1906 ----------W---

98 (***armena (Amara)*** MOTSCHULSKY 1842) --------I---------- loc.typ.: Armenien

99 ***aurichalcea (Amara)*** GERMAR 1824 -B--------KL-------TUVWXY- Bef
= (*brevipennis (Amara)* CHAUDOIR 1844)

100 (***consularis (Amara)*** DUFTSCHMID 1812) ABCD-FG---KLMNO--R-TU-----
= (*crassa (Amara)* STEPHENS 1828)
= (*niger (Amara)* CHAUDOIR 1837)
= *patrata (Amara)* SCHI¥DTE 1841
= *convexa (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= (*uralensis (Amara)* MOTSCHULSKY 1850)
ab. *aberrata (Amara consularis, ab.)* LETZNER 1852
ab. *genuina (Amara consularis, ab.)* LETZNER 1852
ab. *laevicolis (Amara consularis, ab.)* LETZNER 1852
ab. *plana (Amara consularis, ab.)* LETZNER 1852
ab. *punctata (Amara consularis, ab.)* LETZNER 1852
ab. *subnitida (Amara consularis, ab.)* LETZNER 1852
= *rubida (Amara consularis, syn.)* LETZNER 1852
ab. *metallica (Amara consularis, ab.)* DALLA TORRE 1879
ab. *obscura (Amara consularis, ab.)* DALLA TORRE 1879
ab. *picea (Amara consularis, ab.)* DALLA TORRE 1879

101 ***crenata (Amara)*** DEJEAN 1828 A--DEFG-I----------------
= *crenatostriata (Amara)* CHAUDOIR 1846

102 ***distinguenda (Amara)*** A.MORAWITZ 1862 ----------V--Y-

103 (***fulva (Amara)*** O.MÜLLER 1776) ABCD----IJK-MNO----TU----- Vc
= (*ferruginea (Amara)* ROSSI 1790)
= (*concolor (Amara)* OLIVIER 1795)
= (*pallidus (Amara)* FABRICIUS 1801)
= *iridipennis (Amara)* HEER 1837
ab. *aberrata (Amara fulva, ab.)* LETZNER 1852
ab. *aeneomicans (Amara fulva, ab.)* LETZNER 1852
ab. *deleta (Amara fulva, ab.)* LETZNER 1852
ab. *genuina (Amara fulva, ab.)* LETZNER 1852
ab. *impunctata (Amara fulva, ab.)* LETZNER 1852
ab. *marginata (Amara fulva, ab.)* LETZNER 1852
= *rufa (Amara fulva, syn.)* LETZNER 1852

104 (***glacialis (Amara)*** MANNERHEIM 1853) ----------KL-------TU-WX--
= *trybomi (Amara)* J.SAHLBERG 1880
= *nainensis (Amara)* CASEY 1918

105 ***irkutensis (Amara)*** BALIANI 1934 ----------V---- Vcd
= *bajani (Amara)* JEDLI³KA 1964

106 (***macra (Amara)*** H.BATES 1883) ----------Z

107 (***majuscula (Amara)*** CHAUDOIR 1850) -BCD------K-MNOP-R-TUV--YZ

108 ***mikae (Amara)*** LAFER 1980 ----------Y-

109 (***minuta (Amara)*** MOTSCHULSKY 1844) ----------TUV--Y-
= (*helopioides (Amara)* MOTSCHULSKY 1844)
= *binaghii (Amara)* BALIANI 1943

110 (***pallidula (Amara)*** MOTSCHULSKY 1844) ----------V--Y-

111 ***pseudosimplicidens (Amara)*** LAFER 1980 ----------Y-

112 ***reitteri (Amara)*** TSCHITSCHÉRINE 1894[398] ----------K--------TU----- KaTf

113 ***simplicidens (Amara)*** A.MORAWITZ 1863 ----------Z

114 ***sinuaticollis (Amara)*** A.MORAWITZ 1862 ----------Y-

115 ***colvillensis (Amara)*** LINDROTH 1968 ----------WX--

Subgenus ***Heterodema*** TSCHITSCHÉRINE 1894

Type species: *Amara alajensis* TSCHITSCHÉRINE 1894

116 ***alaiensis (Amara)*** TSCHITSCHÉRINE 1894 ----------RS------- ReSa

Subgenus ***Ammoxena*** TSCHITSCHÉRINE 1894

Type species: *Amara diaphana* TSCHITSCHÉRINE 1894

117 ***diaphana (Amara)*** TSCHITSCHÉRINE 1894 ---D----------P----------

Subgenus ***Eoleirides*** TSCHITSCHÉRINE 1898

Type species: *Amara oxiana* TSCHITSCHÉRINE 1898

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398 Apparently, widespread in northern Siberia where it has been confused with *A. consularis* Duft. (V. Shilenkov) .

118 ***oxiana (Amara)*** TSCHITSCHÉRINE 1898 ----------S------- Sd: Peter-the-Great Mt.R.

Subgenus ***Percosia*** ZIMMERMANN 1832

Type species: *Carabus patricius* DUFTSCHMID 1812 [= *A.equestris* DUFTSCHMID 1812]

119 (***equestris (Amara)*** DUFTSCHMID 1812) ABCDEFG-IJK-MNOP-RSTU-----
ssp. (***equestris (Amara equestris, ssp.)*** DUFTSCHMID 1812) ABC-E--H-JK-MNOP--STU-----
= (*plebeja (Amara equestris, syn.)* DUFTSCHMID 1812)
= (*manicipium (Amara equestris, syn.)* DUFTSCHMID 1812)
= (*patricia (Amara equestris, syn.)* DUFTSCHMID 1812)
= *nobilis (Amara equestris, syn.)* STURM 1825
= *zabroides (Amara equestris, syn.)* DEJEAN 1828
= *marginatus (Amara equestris, syn.)* STEPHENS 1831
= *marginatus (Amara equestris, syn.)* CURTIS 1840
= (*laticollis (Amara equestris, syn.)* MOTSCHULSKY 1850) [non STEPHENS 1828]
ab. *aberrata (Amara equestris, ab.)* LETZNER 1852
ab. *angulata (Amara equestris, ab.)* LETZNER 1852
ab. *bipunctata (Amara equestris, ab.)* LETZNER 1852
ab. *genuina (Amara equestris, ab.)* LETZNER 1852
ab. *rugulosa (Amara equestris, ab.)* LETZNER 1852
= *rufiventris (Amara equestris, syn.)* LETZNER 1852
= *eurydera (Amara equestris, syn.)* TSCHITSCHÉRINE 1895
= *tomoricensis (Amara equestris, syn.)* J.MÜLLER 1923
= *redikortzevi (Amara equestris, syn.)* LUTSHNIK 1934 Altais
ssp. ***pastica (Amara equestris, ssp.)*** DEJEAN 1831 ---D-FG-I--------R--------
= *mandli (Amara equestris, syn.)* JEDLIᵃKA 1963 [non JEDLIᵃKA 1957]
120 (***infuscata (Amara)*** PUTZEYS 1866) ----------R-TUVWX--
= *songorica (Amara)* MOTSCHULSKY 1850 [nom. nud.]
= *cervini (Amara)* STIERLIN 1879
= *opaca (Amara)* TSCHITSCHÉRINE 1894
= *obenbergeri (Amara)* LUTSHNIK 1935

Subgenus ***Embrikiella*** LUTSHNIK 1935

Type species: *Amara kachovskii* LUTSHNIK 1935

121 ***kachovskii (Amara)*** LUTSHNIK 1935 ----------R-------- Rc

Subgenus ***Parapercosia*** TSCHITSCHÉRINE 1898

Type species: *Amara suwortzewi* TSCHITSCHÉRINE 1898 [= *A.taurica* MOTSCHULSKY 1844]

122 (***taurica (Amara)*** MOTSCHULSKY 1844) ---D-FG------NO----T------ Tb
= (*timida (Amara)* MOTSCHULSKY 1844)
= *suwortzewi (Amara)* TSCHITSCHÉRINE 1899
= *suvortzevi (Amara)* auct.
= (*cognata (Amara)* CHAUDOIR 1856)
= (*matthiesseni (Amara)* REITTER 1913)
= (*fallaciosa (Amara)* J.MÜLLER 1946)
= (*altaica (Amara)* JEDLIᵃKA 1957)
= *derculensis (Amara)* K.ARNOLDI [nom. nud.]

Subgenus ***Pseudoleirides*** KRYZHANOVSKIJ 1968

Type species: *Amara kopetdaghi* KRYZHANOVSKIJ 1968

= *Tadzhikamara* KRYZHANOVSKIJ 1968

Type species: *Amara lopatini* KRYZHANOVSKIJ 1968

123 ***bucharica (Amara)*** TSCHITSCHÉRINE 1899 ----------PQ---------
ssp. ***bucharica (Amara bucharica, ssp.)*** TSCHITSCHÉRINE 1899 ----------P----------
= *testacea (Amara)* BALIANI 1943
ssp. ***kopetdaghi (Amara bucharica, ssp.)*** KRYZHANOVSKIJ 1968 ----------Q---------
124 (***transcaspia (Amara)*** BRANCSIK 1899) ----------Q---------
125 ***lopatini (Amara)*** KRYZHANOVSKIJ 1968 ----------S-------

Subgenus ***Amathitis*** ZIMMERMANN 1832

Type species: *Amara aegypta* ZIMMERMANN 1832

126 (***abdominalis (Amara)*** MOTSCHULSKY 1844) ---D-FG-------OP----------
= *deserta (Amara)* MOTSCHULSKY 1850 [nom. nud.]
127 (***badiola (Amara)*** H.BATES 1878) ----------P-RS-------
128 ***camelina (Amara)*** LUTSHNIK 1933 ----------K---------- loc.typ.: Orenburg
129 ***chivensis (Amara)*** LUTSHNIK 1928 ----------P---------- loc.typ.: Khiva, Khajrowat
130 ***consors (Amara)*** TSCHITSCHÉRINE 1893 ----------V---- loc.typ: Transbaikalien: Gornyj Zerentuj
131 ***fedschenkoi (Amara)*** TSCHITSCHÉRINE 1898 --------I-----OPQ-S-------
= *fedtschenkonis (Amara)* SEIDLITZ 1900 [nom. emend.]
= *microdera (Amara)* sensu SOLSKY 1874 [non CHAUDOIR 1844]
= *armeniae (Amara)* LUTSHNIK 1937
= *armeniaca (Amara)* auct. [non MOTSCHULSKY 1839]
132 ***ferganensis (Amara)*** LUTSHNIK 1928 ----------P---------- Fergana
133 ***gisellae (Amara)*** CSIKI 1929 ----------P---TU-----
= *latiuscula (Amara)* POPPIUS 1907 [non CHAUDOIR 1843]
134 ***helva (Amara)*** TSCHITSCHÉRINE 1898 ----------ST------ Th
= *gobiense (Amara)* JEDLIᵃKA 1964
135 (***microdera (Amara)*** CHAUDOIR 1844) ----------T-VW---
= (*longipennis (Amara)* CHAUDOIR 1844)
= (*cordicollis (Amara)* CHAUDOIR 1844) [non MÉNÉTRIÉS 1832]
= (*angusticollis (Amara)* MOTSCHULSKY 1844)
= *pallida (Amara)* MÉNÉTRIÉS 1847
= *cordata (Amara)* PUTZEYS 1866 [nom. pro *cordicollis* CHAUDOIR 1844]
136 ***pamiricola (Amara)*** LUTSHNIK 1930 ----------S------- Sb: Lake Rang-Kul
137 ***parvicollis (Amara)*** GEBLER 1833 ---D-F-------NOPQ--T------
= (*aeneomicans (Amara)* CHAUDOIR 1837)
= *kalmyka (Amara)* LUTSHNIK 1927
138 ***rubens (Amara)*** TSCHITSCHÉRINE 1899 ----------P-R--------
139 ***subplanata (Amara)*** PUTZEYS 1866 ---D---------N------U----- On sandy banks of big rivers
? *jakowlewi (Amara)* TSCHITSCHÉRINE 1898
140 ***stulta (Amara)*** LUTSHNIK 1935 ----------UV----

= *marcida (Amara)* TSCHITSCHÉRINE [nom. nud.][399]

141 ***nigriventris (Amara)*** LUTSHNIK 1927 ---D---------- loc.typ.: Manych riv.
142 ***tratnikovi (Amara)*** LUTSHNIK 1927 ----------P---------- Khiva, Klych-Daj

Subgenus ***Zabroscelis*** PUTZEYS 1866

Type species: *Amara ditomoides* PUTZEYS 1866

143 (***ditomoides (Amara)*** PUTZEYS 1866) ----------P--S-------
= *bagdadica (Amara)* TSCHITSCHÉRINE 1899

Subgenus ***Leiramara*** HIEKE 1988

Type species: *Amara tachypoda* TSCHITSCHÉRINE 1899

144 ***tachypoda (Amara)*** TSCHITSCHÉRINE 1899 ----------S-------

Genus ***Harpalodema*** REITTER 1888

Type species: *Harpalodema fausti* REITTER 1888

1 (***ahngeriana (Harpalodema)*** TSCHITSCHÉRINE 1903) ----------PQ-S------- ScPb
2 ***bradytoides (Harpalodema)*** REITTER 1889 ----------P---------- Pa: Arax valley
3 (***eremicola (Harpalodema)*** KRYZHANOVSKIJ 1962) ----------P---------- Pb: env. Krasnovodsk; Aral Sea
4 ***fausti (Harpalodema)*** REITTER 1888 ---D----------PQ--------- DdPbc
5 ***lutescens (Harpalodema)*** REITTER 1888 ---D-F---------P---------- Pb
6 (***songarica (Harpalodema)*** PUTZEYS 1866) ----------OP-R-T------ TaPd
= (*lata (Harpalodema)* MOTSCHULSKY 1844)
= (*grumi (Harpalodema)* TSCHITSCHÉRINE 1894)
= (*pellucida (Harpalodema)* TSCHITSCHÉRINE 1894)
= (*csiki (Harpalodema)* JEDLIᵃKA 1968)
7 (***turkmenica (Harpalodema)*** TSCHITSCHÉRINE 1894) ---D----------OP---------- Dd
= *turcmenia (Harpalodema)* auct.
= (*ruthena (Harpalodema)* TSCHITSCHÉRINE 1894)
= (*dubiosa (Harpalodema)* TSCHITSCHÉRINE 1894)
= (*dzambuli (Harpalodema)* JEDLIᵃKA 1966)
8 (***vlasovi (Harpalodema)*** KRYZHANOVSKIJ 1962) ----------PQ--------- Pbc
9 (***magniceps (Harpalodema)*** HIEKE 1993) ---D----------P---------- Pb

Genus ***Phanerodonta*** TSCHITSCHÉRINE 1894

Type species: *Amara punctipennis* REITTER 1894

1 (***kirghisica (Phanerodonta)*** KRYZHANOVSKIJ 1962) ----------OP-R--------
2 (***murgabica (Phanerodonta)*** TSCHITSCHÉRINE 1902) ----------PQ---------
3 (***punctipennis (Phanerodonta)*** REITTER 1889) --------I-----------------

Genus ***Cribramara*** KRYZHANOVSKIJ 1964

Type species: *Amara kamenskii* KRYZHANOVSKIJ 1964

1 (***cribrata (Cribramara)*** PUTZEYS 1866) ----------T------ Ta: Saur & Manrak Mt.R.
= *kamenskii (Cribramara)* KRYZHANOVSKIJ 1964
2 (***molopiformis (Cribramara)*** KRYZHANOVSKIJ 1964) ----------R-------- Ra: env. Dzharkent (=Panfilov) & Kokpek
3 ***kosagatschi (Cribramara)*** HIEKE 1988 ----------P---------- Pd: Ili Riv. E of Chundzha
4 ***danilevskyi (Cribramara)*** KABAK 1994 ----------R-------- Rb: Turaigyr Mt.R.
5 ***skopini (Cribramara)*** HIEKE 1976 ---D---------- NW Kazakhstan: Lake Koksul
6 ***ovtschinnikovi (Cribramara)*** KABAK 1994 ----------R-------- Rb: Kirghizsky Mt.R., env. Bishkek
7 ***balchaschica (Cribramara)*** KABAK 1994 ----------P---------- Pd: W shore of Balkhash Lake

Genus ***Curtonotus*** STEPHENS 1828

Type species: *Carabus convexiusculus* MARSHAM 1802

= *Cyrtonotus* auct.

Subgenus ***Curtonotus*** STEPHENS 1828

Type species: *Carabus convexiusculus* MARSHAM 1802

= *Leirus* ZIMMERMANN 1832
Type species: *Carabus aulicus* PANZER 1897

= *Leirodema* TSCHITSCHÉRINE 1894
Type species: *Amara sifanica* TSCHITSCHÉRINE 1844

= *Feronalius* CASEY 1918
Type species: *Amara putzeysi* H.BATES 1878

= *Paracurtonotus* HABU 1942
Type species: *Leirus giganteus* MOTSCHULSKY 1844

= *Paracyrtonotus* BALIANI 1943
Type species: *Amara mixta* BALIANI 1943

1 (***alpinus (Curtonotus)*** PAYKULL 1790) -B--------K---------U-WX--
= (*brunnipennis (Curtonotus)* DEJEAN 1831)
= (*eschscholtzi (Curtonotus)* CHAUDOIR 1837)
= (*borealis (Curtonotus)* CHAUDOIR 1843)
= (*brevicornis (Curtonotus)* MÉNÉTRIÉS 1851)
ab. *brunneus (Curtonotus alpinus, ab.)* LETZNER 1852
ab. *genuinus (Curtonotus alpinus, ab.)* LETZNER 1852
= (*obtusus (Curtonotus)* LECONTE 1855)
= *caligatus (Curtonotus)* PUTZEYS 1866
= *cognatus (Curtonotus)* PUTZEYS 1866
ab. *nigrum (Curtonotus alpinus, ab.)* DALLA TORRE 1879
= (*subsulcatus (Curtonotus)* J.SAHLBERG 1880)
= (*angustatus (Curtonotus)* J.SAHLBERG 1887) [non SAY 1823]
= (*pullulus (Curtonotus)* POPPIUS 1906)
= *argutus (Curtonotus)* CASEY 1918
= *deficiens (Curtonotus)* CASEY 1918
= *inanis (Curtonotus)* CASEY 1918
= *rubripennis (Curtonotus)* CASEY 1918
= *subtilis (Curtonotus)* CASEY 1924
ab. *teplouchovi (Curtonotus alpinus, ab.)* LUTSHNIK 1928

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399 The synonymy is quoted according to a personal communication of F. Hieke (V. Shilenkov) .

= *alaskanus (Curtonotus)* CSIKI 1929 [nom. pro *angustatus* J.SAHLBERG 1887]

2 (***aulicus (Curtonotus)*** PANZER 1797) ABCD-F----K-MN---R-TUV---- UcVa

= *spinipes (Curtonotus)* SCHI¥DTE 1841 [non LINNAEUS 1758]

= (*ruficornis (Curtonotus)* DE GEER 1774)

= (*bicolor (Curtonotus)* PAYKULL 1798)

= (*caucasicus (Curtonotus)* MOTSCHULSKY 1844)

= (*lithuanicus (Curtonotus)* MOTSCHULSKY 1844)

ab. *aeneomicans (Curtonotus aulicus, ab.)* LETZNER 1852

ab. *laevicollis (Curtonotus aulicus, ab.)* LETZNER 1852

ab. *rufescens (Curtonotus aulicus, ab.)* LETZNER 1852

ab. *picea (Curtonotus aulicus, ab.)* DALLA TORRE 1879

ab. *abruzzensis (Curtonotus aulicus, ab.)* SCHAUBERGER 1923

3 (***asiaticus (Curtonotus)*** JEDLIªKA 1957) ----------V---- Nerchinsk

4 (***birulai (Curtonotus)*** POPPIUS 1913) ----------W--- loc.typ: N Siberia, Kazachie, mouth of Yana Riv.

5 (***bokori (Curtonotus)*** CSIKI 1929) [nom. pro *sahlbergi* POPPIUS 1906] ----------K---------UVWX--

= (*sahlbergi (Curtonotus)* POPPIUS 1906) [non ZETTERSTEDT 1838]

= (*chingana (Curtonotus)* BALIANI 1939)

6 (***brevicollis (Curtonotus)*** CHAUDOIR 1850) ---D--------MN---R-TUV--Y-

= *transversicollis (Curtonotus)* PUTZEYS 1866

7 (***castaneus (Curtonotus)*** PUTZEYS 1866) ---D--------MNO--RST------

= *pamirensis (Curtonotus)* H.BATES 1878

8 (***conoideus (Curtonotus)*** PUTZEYS 1866) ----------T--W---

= (*eremita (Curtonotus)* TSCHITSCHÉRINE 1894)

9 (***dauricus (Curtonotus)*** MOTSCHULSKY 1844) ----------TUV--Y-

= *contractus (Curtonotus)* PUTZEYS 1866

= (*monostigma (Curtonotus)* JEDLIªKA 1957)

10 ***convexicollis (Curtonotus)*** PUTZEYS 1866 Siberia

11 (***convexiusculus (Curtonotus)*** MARSHAM 1802) -BCD-F-------NO---------- mainly on sea coast and salt-marshes

= (*intermedius (Curtonotus)* MOTSCHULSKY 1844)

= *bohemicus (Curtonotus convexiusculus, syn.)* FASSATI 1944

12 (***cribricollis (Curtonotus)*** CHAUDOIR 1846) ---D-F------M-O----------

13 ***desertus (Curtonotus)*** KRYNICKI 1866 ---D-F--------O----------

= (*volgensis (Curtonotus)* CHAUDOIR 1850)

14 (***disproportionalis (Curtonotus)*** HIEKE 1993) ----------T------ Korgon Mt.R.

15 (***dux (Curtonotus)*** TSCHITSCHÉRINE 1894) ----------V---- Vd

= (*suensoni (Curtonotus)* HIEKE 1990)

16 (***fodinae (Curtonotus)*** MANNERHEIM 1825) ----------K-MNO--R-TUVW-Y-

= (*altaicus (Curtonotus)* MOTSCHULSKY 1844)

= *impressostriatus (Curtonotus)* MOTSCHULSKY 1850 [nom. nud.]

ab. *parviceps (Curtonotus fodinae, ab.)* PUTZEYS 1866

= (*mucidus (Curtonotus)* JEDLIªKA 1951)

= (*primitivus (Curtonotus)* JEDLIªKA 1951)

17 (***gebleri (Curtonotus)*** DEJEAN 1831) AB----G---K-MN-----T------ Be ?Tb

= (*helleri (Curtonotus)* GREDLER 1868)

= (*circassicus (Curtonotus)* REITTER 1888)

= *piceus (Curtonotus)* MOTSCHULSKY 1844

= (*uralensis (Curtonotus)* MOTSCHULSKY 1850)

18 (***giganteus (Curtonotus)*** MOTSCHULSKY 1845) ----------TUV--Y-

= (*herculeanus (Curtonotus)* TSCHITSCHÉRINE 1894)

19 (***gonioderus (Curtonotus)*** TSCHITSCHÉRINE 1895) ----------Y-

20 (***harpaloides (Curtonotus)*** DEJEAN 1829) ----------O--R-TUVW-Y-

21 ***hiogoensis (Curtonotus)*** H.BATES 1873 ----------Y-

22 (***hyperboreus (Curtonotus)*** DEJEAN 1831) ---D------KL-------TUVWX--

= *tumidus (Curtonotus)* auct. [non A.MORAWITZ 1862]

= (*tibialis (Curtonotus)* MOTSCHULSKY 1844)

= *elongatus (Curtonotus)* LECONTE 1850

= (*ovipennis (Curtonotus)* MOTSCHULSKY 1850)

= (*longicollis (Curtonotus)* MOTSCHULSKY 1860)

= (*peregrinus (Curtonotus)* A.MORAWITZ 1862)

= *canadensis (Curtonotus)* PUTZEYS 1866

= *dejeani (Curtonotus)* PUTZEYS 1866

= *pedestris (Curtonotus)* PUTZEYS 1866

= *tristis (Curtonotus)* PUTZEYS 1866

= (*simulans (Curtonotus)* J.SAHLBERG 1880)

= *imperfectus (Curtonotus)* BROWN 1930

= (*coreanus (Curtonotus)* BALIANI 1936)

23 (***irkuteanus (Curtonotus)*** JEDLIªKA 1957) ----------T------

24 (***kurnakovi (Curtonotus)*** HIEKE 1994) ----------W---

25 ***kuznetzovi (Curtonotus)*** LUTSHNIK 1927 ----------R-------- Lake Issyk-Kul

26 (***lacustris (Curtonotus)*** LECONTE 1855) ----------X--

= *manitobensis (Curtonotus)* CASEY 1924

27 ***moereus (Curtonotus)*** JEDLIªKA 1957 ----------V---- Transbaicalia

28 ***macronotus (Curtonotus)*** SOLSKY 1875 ----------Y-

= (*nitens (Curtonotus)* PUTZEYS 1866)

= *jureceki (Curtonotus)* JEDLIªKA 1957

29 (***picipes (Curtonotus)*** MOTSCHULSKY 1844) ----------N---------- loc.typ: Omsk, Irtysh Riv.

30 (***propinquus (Curtonotus)*** MÉNÉTRIÉS 1832) ---D-F--I----NOP----------

= *bistriatus (Curtonotus)* PUTZEYS 1866

31 (***pullus (Curtonotus)*** JEDLIªKA 1957) ----------V---- loc.typ.: Baikal reg., Tripoli

32 (***somoni (Curtonotus)*** JEDLIªKA 1968) ----------OP---T------

33 (***shinanensis (Curtonotus)*** HABU 1953) ----------TUV----

= (*seishini (Curtonotus)* JEDLIªKA 1957)

34 (***torridus (Curtonotus)*** PANZER 1797) -B-----H--KL-------TU-WX--

= (*alpinus (Curtonotus)* sensu STURM 1825) [non PAYKULL 1790]

= (*melanogastricus (Curtonotus)* DEJEAN 1828)

= *rufimanus (Curtonotus)* KIRBY 1837

= *brevilabris (Curtonotus)* KIRBY 1837

= (*rufimanus (Curtonotus)* MOTSCHULSKY 1844) [non KIRBY 1837]

= (*infaustus (Curtonotus)* LECONTE 1855) [nom. pro *rufimanus* MOTSCHULSKY 1844]

= (*californicus (Curtonotus)* MOTSCHULSKY 1859)

= *holmbergi (Curtonotus)* PUTZEYS 1866
= *reflexus (Curtonotus)* PUTZEYS 1866
= *somnolentus (Curtonotus)* PUTZEYS 1866
= *striolatus (Curtonotus)* PUTZEYS 1866 [nom. pro *rufimanus* MOTSCHULSKY 1844]
= *cylindricus (Curtonotus)* LECONTE 1878
= (*ruficornis (Curtonotus)* J.SAHLBERG 1880)
= *hudsonicus (Curtonotus)* HAYWARD 1908
= *labradorensis (Curtonotus)* CASEY 1918
= *scrutatus (Curtonotus)* CASEY 1918
= *albertanus (Curtonotus)* CASEY 1924
= *brevipennis (Curtonotus)* CASEY 1924
= *biarcuatus (Curtonotus)* CASEY 1924
= *durus (Curtonotus)* CASEY 1924
= (*consuetus (Curtonotus)* FALL 1926)
= (*johansahlbergi (Curtonotus)* CSIKI 1929) [nom. pro *ruficornis* J.SAHLBERG 1880]
= *turanicus (Curtonotus)* JEDLIᵃKA 1957
= *nairicus (Curtonotus)* KHNZORIAN 1964

35 (***tschitscherinellus (Curtonotus)*** HIEKE 1990) ----------TUVW---
36 (***tumidus (Curtonotus)*** A.MORAWITZ 1862) ----------TUVW---
ssp. (***tumidus (Curtonotus tumidus, ssp.)*** A.MORAWITZ 1862) ----------TUVW---
ssp. ***tunkinensis (Curtonotus tumidus, ssp.)*** HIEKE 1990 ----------T------ Tf

The ***'andreae'*** species group

37 (***andreae (Curtonotus)*** TSCHITSCHÉRINE 1899) ----------R-------- Rb: E part of Terskei Alatoo Mt.R.
= (*lutshniki (Curtonotus)* BALIANI 1936)
= (*kaszabi (Curtonotus)* JEDLIᵃKA 1936)
38 (***alexandriensis (Curtonotus)*** HIEKE 1988) ----------R-------- Rb: Kirghizsky Mt.R. (? patria errata)
39 ***kadyrbekovi (Curtonotus)*** KABAK 1991 ----------R-------- Rb: E part of Kunguei Alatoo
40 ***nataliae (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------R-------- Ra: SE Dzhungarsky Alatau (? patria errata)
41 (***susamyrensis (Curtonotus)*** HIEKE 1988) ----------R-------- Rd: Sysamyr, Ketmen-Tyube (patria errata)
42 ***transiliensis (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------R-------- Rb: middle of part Zailiisky Alatau Mt.R.

The ***'miser'*** species group

43 (***agonus (Curtonotus)*** TSCHITSCHÉRINE 1899) ----------S------- Canyon Madm River
= (*circularis (Curtonotus)* BALIANI 1936)
44 ***arnoldianus (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sc
45 ***badakhschanus (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sb: Badahshan
46 ***beybienkoi (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sc: Zeravshansky Mt.R.
47 ***dzhungaricus (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------R-------- ra: E part Dzhungarsky Alatau
48 ***hiekei (Curtonotus)*** KRYZHANOVSKIJ et MICHAILOV 1987 ----------R-------- Rc: Aksu-Dzhabagly Reserve
= (*talastauensis (Curtonotus)* HIEKE 1988)
49(***ignatovitschi (Curtonotus)*** TSCHITSCHÉRINE 1894) ----------R-------- Rb?c
= (*obesus (Curtonotus)* BALIANI 1940) [non SAY 1828]
= (*balianicus (Curtonotus)* FASSATI 1951) [nom. pro *obesus* BALIANI 1940]
50 ***karzhantavensis (Curtonotus)*** KABAK 1991 ----------R-------- Re: NE of Karzhantau Mt.R.
= *sublustris (Curtonotus)* sensu KRYZHANOVSKIJ 1974 [part. non TSCHITSCHÉRINE 1898]
51 ***kiritshenkoi (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sc: Hissarsky Mt.R., Anzob Pass
52 (***kochi (Curtonotus)*** BALIANI 1940) ----------R-------- Rd
53 ***medvedevi (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sc: Kuhitang-Tau Mt.R.
54 (***miser (Curtonotus)*** TSCHITSCHÉRINE 1894) ----------RS------- ReSa: Alai & Fergansky Mt.R.
55 ***nebrioides (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------R-------- Rb: Kirghizsky Mt.R.: Alamedin
56 ***shakhristanus (Curtonotus)*** KRYZHANOVSKIJ et MICHAILOV 1987 ----------S------- Sc: Turkestansky Mt.R.
57 ***sogdianus (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sc: W part of Hissarsky Mt.R.
58 (***sublustris (Curtonotus)*** TSCHITSCHÉRINE 1898) ----------R-------- Rbcd
59 (***vecors (Curtonotus)*** TSCHITSCHÉRINE 1899) ----------R-------- Rb

Subgenus ***Allobradytus*** KHNZORIAN 1975

Type species: *Amara armeniaca* MOTSCHULSKY 1839

60 (***armeniacus (Curtonotus)*** MOTSCHULSKY 1839) ---D----I-----OP---T------
= (*amaroides (Curtonotus)* REITTER 1890)
61 (***kinitzi (Curtonotus)*** TSCHITSCHÉRINE 1899) ----------OP-R-T------
= (*gottwaldi (Curtonotus)* JEDLIᵃKA 1968)

Subgenus ***Ammoleirus*** TSCHITSCHÉRINE 1899

Type species: *Amara megacephala* GEBLER 1830

62 (***megacephalus (Curtonotus)*** GEBLER 1830) ---D----------OP---T------
= (*bullatus (Curtonotus)* MARSEUL 1871)

Subgenus ***Microleirus*** KRYZHANOVSKIJ 1974

Type species: *Curtonotus turkestanicus* KRYZHANOVSKIJ 1974

63 ***turkestanus (Curtonotus)*** KRYZHANOVSKIJ 1974 ----------S------- Sc: Turkestansky Mt.R.
64 (***boreodzhungaricus (Curtonotus)*** KABAK 1990) ----------R-------- Rb: E part of Dzhungarsky Alatau

Genus ***Polysitamara*** KRYZHANOVSKIJ 1968

Type species: *Zabrus luppovae* KRYZHANOVSKIJ 1962

1 (***luppovae (Polysitamara)*** KRYZHANOVSKIJ 1962) ----------P--S------- PSe

Genus ***Zabrus*** CLAIRVILLE 1806

Type species: *Carabus gibbus* FABRICIUS 1794 [= *Z.tenebrioides* GOEZE 1777]

Subgenus ***Zabrus*** CLAIRVILLE 1806

Type species: *Carabus gibbus* FABRICIUS 1794

1 ***morio (Zabrus)*** MÉNÉTRIÉS 1832 --------I-----OPQRS-------
= *gibbosus (Zabrus)* ZIMMERMANN 1831 [non MARSHAM 1802]
= (*rufomarginatus (Zabrus)* MARSHAM 1802)
? *kalpperichi (Zabrus morio, syn.)* JEDLIᵃKA 1961
2 (***tenebrioides (Zabrus)*** GOEZE 1777) ---DEFG----------
= (*gibbus (Zabrus)* FABRICIUS 1794)

ssp. (***tenebrioides (Zabrus tenebrioides, ssp.)*** GOEZE 1777) ---D---------- ? Da: west Moldova
ssp. ***longulus (Zabrus tenebrioides, ssp.)*** REICHE et SAULCY 1855 ---DEFG----------

Subgenus ***Pelor*** BONELLI 1810

Type species: *Carabus blaptoides* CREUTZER 1799 [= *Z.spinipes* FABRICIUS 1777]

3 (***spinipes (Zabrus)*** FABRICIUS 1798) ---DEFGHIJ----------
= (*blaptoides (Zabrus)* CREUTZER 1799)
ssp. ***steveni (Zabrus spinipes, ssp.)*** FISCHER von WALDHEIM 1817 ---DEF----------
ssp. (***rugosus (Zabrus spinipes, ssp.)*** MÉNÉTRIÉS 1832) ------GHIJ----------
ssp. ***rugulosus (Zabrus spinipes, ssp.)*** KRAATZ 1884 -------H---------- Hb: ?south Adzharia
? *rotundicollis (Zabrus)* MÉNÉTRIÉS 1836 --------I----------
4 ***trinii (Zabrus)*** FISCHER von WALDHEIM 1817 ------G-I----------
= *caucasicus (Zabrus)* ZIMMERMANN 1831
= *transfuga (Zabrus)* SCHAUM 1864
= *obtusangulus (Zabrus)* REITTER 1885
ssp. ***trinii (Zabrus trinii, ssp.)*** FISCHER von WALDHEIM 1817 ------G-I----------
ssp. ***araxidis (Zabrus trinii, ssp.)*** REITTER 1889 --------I---------- Ia
5 ***ovipennis (Zabrus)*** CHAUDOIR 1844 --------I---------- loc.typ: Astrabat and Derbent (N Iran)
6 ***spectabilis (Zabrus)*** HAMPE 1852 --------I----------

Subgenus ***Eutroctes*** ZIMMERMANN 1831

Type species: *Zabrus aurichalceus* ADAMS 1817

7 ***aciculatus (Zabrus)*** SCHAUM 1864 ------G---------- Gb3 Gb4: extreme N of Megrelia
= *laevigatus (Zabrus)* CHAUDOIR 1864 [non ZIMMERMANN 1831]
8 ***aurichalceus (Zabrus)*** ADAMS 1817 ------G----------
ssp. ***aurichalceus (Zabrus aurichalceus, ssp.)*** ADAMS 1817 ------GH---------- Gb2Hc
= (*adamsi (Zabrus aurichalceus, syn.)* FISCHER von WALDHEIM 1817)
= (*fussi (Zabrus aurichalceus, syn.)* FISCHER von WALDHEIM 1917)
= *moestum (Zabrus aurichalceus, syn.)* KÜSTER 1847
ssp. ***punctipennis (Zabrus aurichalceus, ssp.)*** CHAUDOIR 1846 --------I---------- Ia: S Armenia to Alaguez, S shore of Lake Sevan
9 ***chalceus (Zabrus)*** FALDERMANN 1836 ------GH---------- Hb; Ga3: karstic lands; Gb4: spurs of Kodorian Mt.R.
= *costipennis (Zabrus)* FALDERMANN 1836
= *aureolus (Zabrus)* FALDERMANN 1836
= *lugubris (Zabrus)* FALDERMANN 1836
? *oxygonus (Zabrus)* CHAUDOIR 1846

Supertribe *HARPALITAE*

Tribe *HARPALINI*

Subtribe *ANISODACTYLINA*

Genus ***Anisodactylus*** DEJEAN 1829

Type species: *Carabus binotatus* FABRICIUS 1787

Subgenus ***Anisodactylus*** DEJEAN 1829

Type species: *Carabus binotatus* FABRICIUS 1787

1 (***binotatus (Anisodactylus)*** FABRICIUS 1787) ABCDEFGHIJKLMNO--R-TU----- M: Tumen; Uc
= *spurcaticornis (Anisodactylus)* DEJEAN 1829
= *brevicollis (Anisodactylus)* CHAUDOIR 1844
ab. *matheyi (Anisodactylus binotatus, ab.)* PUEL 1931
ab. *espinassei (Anisodactylus binotatus, ab.)* PUEL 1931
? *propinquus (Anisodactylus)* BALLION 1870 ----------P---------- Pc: bei Tschemkent gefunden
2 (***nemorivagus (Anisodactylus)*** DUFTSCHMID 1812) --C--FGH----M------T------
= *gilvipes (Anisodactylus)* DEJEAN 1829
= *atricornis (Anisodactylus)* STEPHENS 1835
var. *atripes (Anisodactylus nemorivagus, var.)* GANGLBAUER 1900
var. *porosus (Anisodactylus nemorivagus, var.)* PUEL 1931
3 ***pueli (Anisodactylus)*** SCHAUBERGER 1933 -----F---------- Fa: Krasnodar Prov., Krasnyi Les
f. *rufipes (Anisodactylus pueli, f.)* SCHAUBERGER 1933
f. *nigripes (Anisodactylus pueli, f.)* SCHAUBERGER 1933
f. *apiceseriata (Anisodactylus pueli, f.)* SCHAUBERGER 1933
f. *apiceinseriata (Anisodactylus pueli, f.)* SCHAUBERGER 1933
4 (***signatus (Anisodactylus)*** PANZER 1797) ABCDEFGHIJK-MNOPQR-TUV--YZ
ab. *tschitscherini (Anisodactylus signatus, ab.)* PUEL 1931
ab. *brunneipennis (Anisodactylus signatus, ab.)* PUEL 1931

Subgenus ***Pseudanisodactylus*** NOONAN 1973

Type species: *Anisodactylus punctatipennis* A.MORAWITZ 1862

5 ***punctatipennis (Anisodactylus)*** A.MORAWITZ 1862 ----------Y- Yd: Khasan Distr., Kedrovaya Pad Reserve

Subgenus ***Pseudodichirus*** LUTSHNIK 1921

Type species: *Anisodactylus intermedius* DEJEAN 1829

6 ***intermedius (Anisodactylus)*** DEJEAN 1829 -----F---------P---------- Fb: Daghestan; Pa12
ab. *marginellus (Anisodactylus intermedius, ab.)* PUEL 1931

Subgenus ***Hexatrichus*** TSCHITSCHÉRINE 1898

Type species: *Harpalus poeciloides* STEPHENS 1828

7 (***poeciloides (Anisodactylus)*** STEPHENS 1828)
ssp. ***pseudaeneus (Anisodactylus poeciloides, ssp.)*** DEJEAN 1829 ---DEFG-I----NOP-R-T------ Tb
= *punctipennis (Anisodactylus poeciloides, syn.)* GEBLER 1833
= *maculifrons (Anisodactylus poeciloides, syn.)* MÉNÉTRIÉS 1849
ab. *excellens (Anisodactylus poeciloides, ab.)* LUTSHNIK 1921

Genus ***Gynandromorphus*** DEJEAN 1829

Type species: *Carabus etruscus* QUENSEL 1806

= *Morphogynandrus* GARRETT 1905

Type species: *Gynandromorphus peyroni* GARRETT 1905

1 (***etruscus (Gynandromorphus)*** QUENSEL 1806)
ssp. ***peyroni (Gynandromorphus etruscus, ssp.)*** GARRETT 1905 ----EF--I------P---------- Pa

Genus ***Diachromus*** ERICHSON 1837

Type species: *Carabus germanus* LINNAEUS 1758

1 (***germanus (Diachromus)*** LINNAEUS 1758) --CDEFGHI------PQ--------- PaQa
ab. *bimakulatus (Diachromus germanus, ab.)* JOUKL 1905
ab. *joukli (Diachromus germanus, ab.)* REITTER 1908

Subtribe *STENOLOPHINA*

Genus ***Bradycellus*** ERICHSON 1837

Type species: *Carabus collaris* PAYKULL 1798

= *Tetraplatypus* TSCHITSCHÉRINE 1897

Type species: *Acupalpus similis* DEJEAN 1829

Subgenus ***Bradycellus*** ERICHSON 1837

Type species: *Carabus collaris* PAYKULL 1798

1 (***caucasicus (Bradycellus)*** CHAUDOIR 1846) ABCDEFGHI---MN---R-TU----- Rab
= (*collaris (Bradycellus)* PAYKULL 1798) [non HERBST 1784]
2 ***csikii (Bradycellus)*** LACZÝ 1912 -BCD-FGH-----------------
3 (***harpalinus (Bradycellus)*** SERVILLE 1821) [400] --C---------------------- ? Ca
4 ***ponderosus (Bradycellus)*** LINDROTH 1939 -B----------------------- Bc: Karelia, Kuusamo
5 (***ruficollis (Bradycellus)*** STEPHENS 1828) -B-----------------------
= (*similis (Bradycellus)* DEJEAN 1829)
= (*circumcinctus (Bradycellus)* R.F.SAHLBERG 1834)
6 (***verbasci (Bradycellus)*** DUFTSCHMID 1812) A--D--GH----------------- Db
= (*pallipes (Bradycellus)* STEPHENS 1828)
= (*pallidus (Bradycellus)* STEPHENS 1828)
= (*rufulus (Bradycellus)* DEJEAN 1829)
7 ***heinzi (Bradycellus)*** JAEGER 1990 ---------J---------------- J: Alekseevka, Avrora, Paleton, Angelovyband

Subgenus ***Tachycellus*** A.MORAWITZ 1862

Type species: *Bradycellus curtulus* MOTSCHULSKY 1860

8 ***laevicollis (Bradycellus)*** POPPIUS 1907 -------------------T----Y- Yad
= *ussuriensis (Bradycellus)* LAFER 1989
9 (***glabratus (Bradycellus)*** REITTER 1894) -------------------TUV-XYZ XdZb
10 (***subditus (Bradycellus)*** LEWIS 1879) ----------------------XYZ XdYdZ
= *kuznetzovi (Bradycellus)* LAFER 1989
11 ***glabratulus (Bradycellus)*** LAFER 1989 -------------------TUV--Y- TfUcVaYd
12 (***curtulus (Bradycellus)*** MOTSCHULSKY 1860) ------------------------YZ YadZb
= (*nigritulus (Bradycellus)* REITTER 1894)
13 ***plutenkoi (Bradycellus)*** LAFER 1989 ------------------------Y- Yd
14 ***confusus (Bradycellus)*** JAEGER et WRASE 1994 ------------------------Y- ? Yd

Subgenus ***Stenocellus*** CASEY 1914

Type species: *Bradycelus rupestris* SAY 1823

? (*elongatus (Bradycellus)* MOTSCHULSKY 1860) [401] ? Kuril Isl.

Genus ***Dicheirotrichus*** JACQUELIN DU VAL 1857[402]

Type species: *Harpalus obsoletus* DEJEAN 1829

Subgenus ***Dicheirotrichus*** JACQUELIN DU VAL 1857

Type species: *Harpalus obsoletus* DEJEAN 1829

1 ***lacustris (Dicheirotrichus)*** L.REDTENBACHER 1858[403] ---DEF--I------P---------- Pae2
= *obsoletus (Dicheirotrichus)* auct. [non DEJEAN 1829]
2 (***ustulatus (Dicheirotrichus)*** DEJEAN 1829) ---DEF--I----NOP----------
3 (***abdominalis (Dicheirotrichus)*** MOTSCHULSKY 1844) -------------------TUV----
4 ***gustavii (Dicheirotrichus)*** CROTCH 1871 -B----------------------- Bbc: White Sea coast
= (*pubescens (Dicheirotrichus)* PAYKULL 1790) [non O.F.MÜLLER 1776]
ab. *thomsoensis (Dicheirotrichus gustavii, ab.)* SPARRE-SCHNEIDER 1888
ab. *beuthini (Dicheirotrichus gustavii, ab.)* GEBIEN 1899
ab. *uniformis (Dicheirotrichus gustavii, ab.)* PUEL 1925
5 (***desertus (Dicheirotrichus)*** MOTSCHULSKY 1850) ---DEF-------NO--R-------- Rd
= (*gottwaldi (Dicheirotrichus)* JEDLIˇKA 1966) **Syn. nov.**[404]

Subgenus ***Cardiostenus*** REITTER 1900

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400 A European species, its occurrence seems possible only in western Belarus and in the western Ukraine. It has been repeatedly recorded within the former Soviet Union, yet all revised specimens actually belong to *B. csikii* Laczó or *B. caucasicus* Chaud. (B. Kataev) .

401 Described from the Kuriles within the genus *Stenolophus*, this species has actually proved to be a *Bradycellus* from the Nearctic *rupestris*-group (Subgenus *Stenocellus* Casey, 1914) , as revealed by a restudy of a syntype (ZMM, a badly damaged " lacking an abdomen) . Since there are no records of species from that group in the entire Far East, this specimen is presumed to have been mislabelled and in fact deriving from northwestern North America (B. Kataev, A. Matalin) .

402 The genus *Dicheirotrichus* is treated here as embodying *Cardiostenus*, *Oreoxenus* and *Trichocellus* as its constituent subgenera. The traditional concept of *Dicheirotrichus* as opposed to *Trichocellus* and based on differences in the shape of the pronotum and the pattern of adhesive vestiture on the male protarsi seems to us of no great importance. When delimiting the subgeneric groupings, we place emphasis on the patterns of elytral chaetotaxy. Thus, *Dicheirotrichus* displays the 3rd and sometimes also the 5th intervals with a row of discal pores arranged along the middle of the interval(s) ; in *Cardiostenus*, the 3rd interval has a few discal pores arranged near the 2nd stria; in *Trichocellus*, the 3rd elytral interval is only with a single discal pore near the 2nd stria, seldom even without such (in *D. parallelus* Rtt.) . *Oreoxenus* is very roughly punctured dorsally, in other respects being very close to *Trichocellus*. The male genital structure is rather similar in all those subgenera, yet each displaying certain particulars (B. Kataev) .

403 Numerous authors confused this species with the West Mediterranean *D. obsoletus* Dej. Differs well from the latter taxon by the smaller size and male genital structure (B. Kataev) .

404 *Dicheirotrichus desertus* Motsch. has been originally described from the banks of Lake Inder, and *Dicheirotrichus gottwaldi* Jedl. from the village of Dzhambul, both localities presently lying within the Gurievskaya Area of Kazakhstan. The synonymy is based on a restudy of both types concerned (in ZMM and MNP, resp.) (B. Kataev) .

Type species: *Trichocellus parvicollis* TSCHITSCHÉRINE 1895

6 (***cymindiformis (Dicheirotrichus)*** REITTER 1901) ----------P---------- Pcd: env. Dzhambul & Cisbalkhashia
7 (***parvicollis (Dicheirotrichus)*** TSCHITSCHÉRINE 1899) ----------P---------- Pe2
8 (***medvedevi (Dicheirotrichus)*** KABAK et KATAEV 1993) ----------R-------- Rcd
9 ***microderus (Dicheirotrichus)*** SOLSKY 1874 --------I------PQRS-------

Subgenus ***Oreoxenus*** TSCHITSCHÉRINE 1899

Type species: *Bradycellus mannerheimi* R.F.SAHLBERG 1844

10 (***mannerheimi (Dicheirotrichus)*** R.F.SAHLBERG 1844) -B----------TU-WXY-
ssp. (***mannerheimi (Dicheirotrichus mannerheimi, ssp.)*** R.F.SAHLBERG 1844) ----------WX-- WaXab
= (*porsildi (Dicheirotrichus mannerheimi, syn.)* W.BROWN 1932)
ssp. (***ponojensis (Dicheirotrichus mannerheimi, ssp.)*** J.SAHLBERG 1875) **Stat. nov.**[405] -B----------TU---Y- Ya
= (*setiporus (Dicheirotrichus mannerheimi, syn.)* REITTER 1894)

Subgenus ***Trichocellus*** GANGLBAUER 1892

Type species: *Harpalus placidus* GYLLLENHAL 1827

11 (***parallelus (Dicheirotrichus)*** REITTER in TSCHITSCHÉRINE 1899) ----------TUV---- TefgUcdVa
= *angustulus (Dicheirotrichus)* J.SAHLBERG 1880 **Syn. nov.**[406]
12 (***bradycelliformis (Dicheirotrichus)*** REITTER 1900) ----------TUV---- TfUb
13 (***rufithorax (Dicheirotrichus)*** C.R.SAHLBERG 1827) [407] -BC-------K--N----------
14 (***angularis (Dicheirotrichus)*** REITTER in TSCHITSCHÉRINE 1899) ----------W-Y- Wab
15 ***tenuimanus (Dicheirotrichus)*** H.BATES 1873 ----------YZ
ssp. ***tenuimanus (Dicheirotrichus tenuimanus, ssp.)*** H.BATES 1873----------Z
ssp. ***amplipennis (Dicheirotrichus tenuimanus, ssp.)*** H.BATES 1873 **Stat. nov.**[408] ----------Y- Yd: Kedrovaya Pad Reserve
16 (***punctatellus (Dicheirotrichus)*** REITTER 1894) ----------N----------Y- Yad; N: Kemerovo Area (by V.Shilenkov det.)
17 (***obscuricornis (Dicheirotrichus)*** REITTER in TSCHITSCHÉRINE 1899) --------I----------
18 (***obscuricollis (Dicheirotrichus)*** REITTER in TSCHITSCHÉRINE 1899) ----------QRS-------
= (*solskyi (Dicheirotrichus)* TSCHITSCHÉRINE 1898) **Syn. nov.**[409]
= *discicollis (Dicheirotrichus)* sensu SOLSKY 1874 [non DEJEAN 1829]
19 (***maculicollis (Dicheirotrichus)*** REITTER 1894) Turkestan
20 (***stenothorax (Dicheirotrichus)*** KABAK et KATAEV 1994) ---D----------R-------- Dd2Rb
21 (***discolor (Dicheirotrichus)*** FALDERMANN 1836) --------I-----OPQ---------
ssp. (***discolor (Dicheirotrichus discolor, ssp.)*** FALDERMANN 1836) --------I------P---------- Pa
= (*discicollis (Dicheirotrichus discolor, syn.)* sensu CHAUDOIR 1846) [non DEJEAN 1829]
ssp. (***punctidorsis (Dicheirotrichus discolor, ssp.)*** REITTER in TSCHITSCHÉRINE 1899) **Stat. nov.**[410] --------------OPQ--------- Pcdefg
= *microderus (Dicheirotrichus discolor, syn.)* sensu (REITTER 1894) [non SOLSKY 1874, part.]
22 (***discicollis (Dicheirotrichus)*** DEJEAN 1829) ---DEF--------OP---------- Pcdefg
23 (***alticola (Dicheirotrichus)*** H.BATES 1878) [411] ----------S------- Sb
24 ***tschitscherini (Dicheirotrichus)*** REITTER in TSCHITSCHÉRINE 1898 ----------PQ-S------- PcdeSe
25 (***hauseri (Dicheirotrichus)*** REITTER 1894) ----------OPQRS------- PcdegSc
= (*turanicus (Dicheirotrichus)* REITTER 1894)
26 (***roborowskii (Dicheirotrichus)*** TSCHITSCHÉRINE 1898) ----------R-T------ Rd: Lake Son-Kul; Td: Chuyskaya Steppe, Kosh-Agach
27 (***cognatus (Dicheirotrichus)*** GYLLLENHAL 1827) -B--------K-MN-----TUVWXY-
= (*deutschii (Dicheirotrichus)* C.R.SAHLBERG 1827)
= (*obscuritarsis (Dicheirotrichus)* MOTSCHULSKY 1844) **Syn. nov.**[412]
= (*nigritarsis (Dicheirotrichus)* MOTSCHULSKY 1845) [nom. err.]
= (*marginicollis (Dicheirotrichus)* MOTSCHULSKY 1845) **Syn. nov.**
28 ***externepunctatus (Dicheirotrichus)*** REITTER in TSCHITSCHÉRINE 1899 ----------R--------
29 (***transcaspicus (Dicheirotrichus)*** TSCHITSCHÉRINE 1899) ----------P---------- Pe
30 (***placidus (Dicheirotrichus)*** GYLLLENHAL 1827) -BC---G-----MNOP---------- N: Kurgan Area, Novosibirsk; Pa
= (*strandi (Dicheirotrichus)* LUTSHNIK 1936) **Syn. nov.**[413]
31 (***glasunovi (Dicheirotrichus)*** TSCHITSCHÉRINE 1898) ----------S------- Sb

Genus ***Lioholus*** TSCHITSCHÉRINE 1897[414]

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405 A study of abundant materials of the Holarctic *Dicheirotrichus mannerheimi* Sahlb. has warranted its division into subspecies well distinguishable by the male genital structure, patterns of dorsal pubescence, elytral punctuation and microsculpture. In the region concerned, two subspecies occur: the nominotypical *D. mannerheimi mannerheimi* (locus typicus: Okhotsk) and *D. mannerheimi ponojensis* Sahlb. (locus typicus: Ponoj, Kola Peninsula) . Described from the environs of Irkutsk, *D. setiporus* Rtt. must be considered as a junior synonym of the latter subspecies (B. Kataev) .

406 The synonymy is based on a restudy of two syntypes of *Dicheirotrichus angustulus* J. Sahlb. (“”, in SMNH) , described from the environs Torgatschino near Krasnoyarsk (B. Kataev) .

407 *Dicheirotrichus rufithorax* C. Sahlb. displays one discal pore near the 2nd stria and the genital structure of a typical *Trichocellus*. Therefore we have assigned this species to *Trichocellus* s. str. (B. Kataev) .

408 *Dicheirotrichus amplipennis* Bates being downgraded here to the rank of a subspecies is based on a restudy of the type series of *D. tenuimanus* Bates (10 syntypes in BMNH) , on specimens determined by H. Andrewes as *D. amplipennis* as well as on additional materials from Japan, China, Korea and Russia. Described from China (Shanghai) , *D. amplipennis* has proved to be a mainland form of the insular *D. tenuimanus*, the latter described from Japan (Hyogo, Nagasaki) (B. Kataev) .

409 Tschtschérine (1899) renamed the species from Samarkand, erroneously considered by Solsky (1874) as representing *Trichocellus discicollis* Dej., as *T. solskyi* Tschit. A restudy of the holotype (“ from the Solsky Collection in ZMM, labelled 29 and *Dicheirotrichus discicollis* Dej.) has revealed that it actually belongs to *Dicheirotrichus obscuricollis* Rtt. (B. Kataev) .

410 A (re) study of abundant materials of the Transcaucasian *D. discolor* Fald. and the Middle Asian *D. punctidorsis* Rtt. (including 3 syntypes in TMB) has revealed, the latter taxon is only the former's subspecies (B. Kataev) .

411 Apparently, this is only a subspecies of the preceding species (B. Kataev) .

412 The synonymy is based on a restudy of the type series (both in ZMM) of *Dicheirotrichus marginicollis* Motsch. (3 specimens from Kamchatka, including one “ labelled Kamtsch. and *Bradycellus marginicollis* Motsch., Kamtschatka, designated herewith as lectotype) and *D. obscuritarsis* Motsch. (5 specimens from Omsk, including one “ labelled Omsk and *Bradycellus obscuritarsis* Motsch., Sib. occ., designated herewith as lectotype) (B. Kataev, V. Shilenkov) .

413 The synonymy is based on a restudy of the holotype of *Dicheirotrichus strandi* Lutsh. (ZISP) , described from 1” deriving from Anapa, northwestern Caucasus, as compared with Caucasian specimens of *D. placidus* Gyll. (B. Kataev) .

414 Besides *Liocholus jedlickai* Lafer, from the Maritime Province, the genus *Liocholus* embodies also *L. metallescens* Tschit., from northern and central China. According to Lafer (1989) , also *Bradycellus laeticolor* Bates 1873, from Japan and China, must join in, a species earlier distinguished as the only constituent of a separate monotypical Subgenus, *Desbordesius* Maindron 1906 (=*Pselaphoxys* Tschitschérine 1897) , within a highly heterogeneous genus, *Bradycellus*. In other words, according to Lafer, *Desbordesius* is a junior synonym of *Liocholus*. Yet we disagree with such an opinion for, in spite of the fact that both latter taxa share a number of features (the mentum with a median tooth, the male basal abdominal sternites without ciliate depressed area and only the protarsi with an adhesive vestiture ventrally) , they differ in other important characters and must not be united. In *Liocholus*, the prosternum and abdominal sternites are smooth and bare, the mandibles are sharp at the apex, the upperside with metallic lustre, slightly iridescent.

Type species: *Liocholus metallescens* TSCHITSCHÉRINE 1897

1 ***jedlickai (Lioholus)*** LAFER 1989 ----------Y- Yd

Genus ***Stenolophus*** STEPHENS 1828[415]

Type species: *Carabus vaporariorum* FABRICIUS 1787 [= *S.teutonus* SCHRANK 1781]

Subgenus ***Stenolophus*** STEPHENS 1828

Type species: *Carabus vaporariorum* FABRICIUS 1787 [= *S.teutonus* SCHRANK 1781]

1 (***teutonus (Stenolophus)*** SCHRANK 1781) ABCDEFGH-------P---------- BadCabGaHabc; Pe: Akhcha-Kuyma
= (*vaporariorum (Stenolophus)* FABRICIUS 1787)
= *anglicus (Stenolophus)* SCHI¥DTE 1861
m. *hirticornis (Stenolophus teutonus, m.)* KRYNICKI 1832
m. *confluens (Stenolophus teutonus, m.)* KOLENATI 1845
m. *pseudoabdominalis (Stenolophus teutonus, m.)* SCHAUBERGER 1930
m. *aegeus (Stenolophus teutonus, m.)* J.MÜLLER 1921

2 ***persicus (Stenolophus)*** MANNERHEIM 1844 --CDEFGHIJ----OPQRS------- GabHabcIabcPabedfgRbe
= *paragraphus (Stenolophus)* KOLENATI 1845
= *pseudoabdominalis (Stenolophus)* sensu KHNZORIAN 1976 [= var. *teutonus* non. SCHAUBERGER 1930]

3 (***discophorus (Stenolophus)*** FISCHER von WALDHEIM 1823) -BCDEFGHIJ---NOP-R-T------ BdeHacIbPadRbTa
= *flaviusculus (Stenolophus)* MOTSCHULSKY 1864
m. *bipartius (Stenolophus discophorus, m.)* PUEL 1923
m. *trinotatus (Stenolophus discophorus, m.)* PUEL 1923

4 ***connotatus (Stenolophus)*** H.BATES 1873 ----------Y- Yd: S of M.Ussurka (=Iman) Riv.
m. *hauseri (Stenolophus connotatus, m.)* SCHAUBERGER 1930 [non HEER 1838]

5 ***skrimshiranus (Stenolophus)*** STEPHENS 1828 ---DEFGHIJ-----P---------- DadGacHabIaPe
= *skrimshireanus (Stenolophus)* auct. error
= *melanocephalus (Stenolophus)* HEER 1838 [non DEJEAN 1829]
= *affinis (Stenolophus)* BACH 1851
m. *petri (Stenolophus skrimshiranus, m.)* PUEL 1923
m. *xanthochrous (Stenolophus skrimshiranus, m.)* FUENTE 1902

6 ***propinquus (Stenolophus)*** A.MORAWITZ 1862 ----------YZ YadZab
= *japanus (Stenolophus)* MOTSCHULSKY 1864

7 ***steveni (Stenolophus)*** KRYNICKI 1832 ---DEFGHI-----OPQ--------- DabdHcQd
= *dimidiatus (Stenolophus)* MÉNÉTRIÉS 1832
= *nigricollis (Stenolophus)* BIELZ 1850
= *obliquus (Stenolophus)* MOTSCHULSKY 1850
= *Badister piceus (Stenolophus)* BALLION 1870

8 (***mixtus (Stenolophus)*** HERBST 1784) ABCDEFGH-J--MNOP-R-T------ AaBadeCabcDabdGacHabPedReTabce
= (*vespertinus (Stenolophus)* PANZER 1797)
= *humeratus (Stenolophus)* MULSANT et GODART 1860
= *intermedius (Stenolophus)* FIORI 1914
= *nitidulus (Stenolophus)* MOTSCHULSKY 1864 [part.]
= *pallidus (Stenolophus)* MOTSCHULSKY 1844
= *sinuatus (Stenolophus)* MOTSCHULSKY 1844
= (*ziegleri (Stenolophus mixtus, syn.)* PANZER 1809)
m. *notatifrons (Stenolophus mixtus, m.)* PUEL 1923
m. *suzannae (Stenolophus mixtus, m.)* PUEL 1923

9 ***proximus (Stenolophus)*** DEJEAN 1829 --CD-FGHIJ----OP-R-------- DabdGaHbPadefRe
= *ciffrei (Stenolophus)* BARBER 1885
= *nitidulus (Stenolophus)* MOTSCHULSKY 1864 [part.]
m. *narentinus (Stenolophus proximus, m.)* APFELBECK 1904
m. *binotatus (Stenolophus proximus, m.)* RAGUSA 1886
m. *castaneus (Stenolophus proximus, m.)* PUEL 1923
m. *juliettae (Stenolophus proximus, m.)* PUEL 1923

10 ***castaneipennis (Stenolophus)*** H.BATES 1873 ----------V--YZ YadZb
= *iridicolor (Stenolophus)* sensu HABU 1973 [non L.REDTENBACHER 1867]
m. *adustus (Stenolophus castaneipennis, m.)* SCHAUBERGER 1930
m. *atripennsi (Stenolophus castaneipennis, m.)* SCHAUBERGER 1930

Subgenus ***Egadroma*** MOTSCHULSKY 1855

Type species: *Carabus smaragdulus* FABRICIUS 1781

11 (***marginatus (Stenolophus)*** DEJEAN 1829) ----E---I-----OP----------

Genus ***Hemiaulax*** H.BATES 1892[416]

Type species: *Anoplogenius dentipennis* H.BATES 1832

= *Idiomelas* TSCHITSCHÉRINE 1900

Type species: *Stenolophus morio* MÉNÉTRIÉS 1832

1 (***morio (Hemiaulax)*** MÉNÉTRIÉS 1832) --------I------PQ--------- I Pae2g

2 (***nigripes (Hemiaulax)*** REITTER 1894) [417] ---D-F--------OP---------- DdFbPbcde1f
= (*minor (Hemiaulax)* MÉNÉTRIÉS 1848) [nom. nud.]

Genus ***Loxoncus*** SCHMIDT-GÖBEL 1846

Type species: *Loxoncus elevatus* SCHMIDT-GÖBEL 1846

= *Anoplogenus* CHAUDOIR 1852

Type species: *Stenolophus alacer* DEJEAN 1831

= *Megrammus* MOTSCHULSKY 1857

Type species: *Megrammus circumcinctus* MOTSCHULSKY 1857 [= *L.cyanescens* HOPE 1845]

1 (***cyanescens (Loxoncus)*** HOPE 1845) ----------Y- Yd
= *circumcinctus (Loxoncus)* MOTSCHULSKY 1857

2 (***procerus (Loxoncus)*** SCHAUM 1858) -----F--I------P---------- FbIaPaceg
= *grandis (Loxoncus)* PEYRON 1858

In *Desbordesius*, the prosternum and abdominal sternites are pubescent, the left mandible is truncate at the apex, the upperside with neither metallic lustre nor iridescence (B. Kataev) .

415 Data on the synonymics and distribution of this species are quoted after Matalin (in press) (A. Matalin) .

416 According to Sciaky (1992) , *Hemiaulax* Bates is a synonym of *Trichotichnus* A. Morawitz. This opinion is surely absurd, for, besides other features, both differ in the number of setae on the penultimate labial palpomere and belong to different subtribes: *Hemiaulax* to the subtribe Stenolophina, and *Trichotichnus* to the Harpalina (B. Kataev) .

417 *Hemiaulax nigripes* Rtt. is usually considered as a synonym of *H. morio* Mén., yet it differs constantly from the latter taxon by the structure of the male genitalia, shape of the pronotum, and body size. Since the ranges of these forms are disjunct, and no populations with intermediate characters are known, it seems best to regard them as separate allopatric species (B. Kataev) .

Genus ***Acupalpus*** LATREILLE 1829

Type species: *Carabus meridianus* LINNAEUS 1761

= *Manicellus* MOTSCHULSKY 1864

Type species: *Stenolophus elegans* DEJEAN 1829

Subgenus ***Ancylostria*** SCHAUBERGER 1930

Type species: *Acupalpus interstitialis* REITTER 1884

1 ***interstitialis (Acupalpus)*** REITTER 1884 `---DEF--I-----------------`
= *flavicornis (Acupalpus)* FIORI 1903 [non DEJEAN 1895]
ab. *extinctus (Acupalpus interstitialis, ab.)* SCHAUBERGER 1930 [non BIELZ 1895]
ab. *ochraceolutea (Acupalpus interstitialis, ab.)* ROUBAL 1948

Subgenus ***Acupalpus*** LATREILLE 1829

Type species: *Carabus meridianus* LINNAEUS 1761

2 (***brunnipes (Acupalpus)*** STURM 1825) `--C---G------------------- CaGa`
ab. *atratus (Acupalpus brunnipes, ab.)* DEJEAN 1829
3 (***flavicollis (Acupalpus)*** STURM 1825) `ABCD-FG---K--NO---------- ?O`
= *nigriceps (Acupalpus)* DEJEAN 1829
= *luridus (Acupalpus)* DEJEAN 1829
= *pumilio (Acupalpus)* SCHAUM 1857
ab. *hulatai (Acupalpus flavicollis, ab.)* KULT 1944
4 (***meridianus (Acupalpus)*** LINNAEUS 1767) `ABCDEFGHI----NO----TU----- Uc`
= *dorsalis (Acupalpus)* FABRICIUS sensu THOMSON 1859
= (*geeri (Acupalpus)* GMELIN in LINNAEUS 1790)
= (*crucifer (Acupalpus)* FABRICIUS 1801)
ab. *chevrolati (Acupalpus meridianus, ab.)* GAUBIL 1846
ab. *marginellus (Acupalpus meridianus, ab.)* DALLA TORRE 1877
ab. *thoracicus (Acupalpus meridianus, ab.)* SCHILSKY 1889
ab. *clarissimus (Acupalpus meridianus, ab.)* ROUBAL 1930
ab. *humeralis (Acupalpus meridianus, ab.)* JACQUET 1938
ab. *anthracinus (Acupalpus meridianus, ab.)* JACQUET 1938
ab. *pucholti (Acupalpus meridianus, ab.)* HAVELKA 1950
5 ***suturalis (Acupalpus)*** DEJEAN 1829 `--CDEFG-I----------------- Ga ?C`
6 (***elegans (Acupalpus)*** DEJEAN 1829) `A--DEFGHI----NOPQRST------`
ab. *ephippium (Acupalpus elegans, ab.)* DEJEAN 1829
ab. *politus (Acupalpus elegans, ab.)* REITTER 1871 [non MACLEAY 1857]
ab. *marginicollis (Acupalpus elegans, ab.)* REITTER 1891 **Stat. nov.**[418] `---------------P-R-------- Pf`
ab. *humeralis (Acupalpus elegans, ab.)* HEYDEN 1892 [non DEJEAN 1825]
ab. *nigerrimus (Acupalpus elegans, ab.)* HEYDEN 1892
ab. *inornatus (Acupalpus elegans, ab.)* REITTER 1900
ab. *spoliatus (Acupalpus elegans, ab.)* JACOBSON 1907
7 (***parvulus (Acupalpus)*** STURM 1825) `ABCDEFGHI-----OPQRSTU----- Uc; ?Tab`
= (*dorsalis (Acupalpus)* FABRICIUS 1787) [non PONTOPPIDAN 1763]
= *pallidus (Acupalpus)* MOTSCHULSKY 1844
= *derelictus (Acupalpus)* DAWSON 1854
= (*vittatus (Acupalpus)* GRAELLS 1858)
= *gyllenhali (Acupalpus)* THOMSON 1859
= *brunnipes (Acupalpus)* STURM sensu THOMSON 1859
= *discus (Acupalpus)* REITTER 1894
= *thomsoni (Acupalpus)* ROTH 1898
ab. *ruficapillus (Acupalpus parvulus, ab.)* MATITS 1910
ab. *soedermani (Acupalpus parvulus, ab.)* HELLÉN 1922
ab. *confusus (Acupalpus parvulus, ab.)* J.MÜLLER 1926
ab. *xanthochromus (Acupalpus parvulus, ab.)* SCHAUBERGER 1930
ab. *atrocephalus (Acupalpus parvulus, ab.)* SCHAUBERGER 1930
ab. *compar (Acupalpus parvulus, ab.)* SCHAUBERGER 1930
ab. *melancholicus (Acupalpus parvulus, ab.)* SCHAUBERGER 1930
ab. *pallidipennis (Acupalpus parvulus, ab.)* FASSATI 1949
8 ***inoyei (Acupalpus)*** HABU 1980[419] `-------------------------Z Zb`
9 ***ussuriensis (Acupalpus)*** LAFER 1989 `------------------------Y- Yd`
10 ***maculatus (Acupalpus)*** SCHAUM 1860 `---DEFGHI------P----------`
= *salinus (Acupalpus)* BAUDI 1864
= *submaculatus (Acupalpus)* FIORI 1903
ab. *immundus (Acupalpus maculatus, ab.)* REITTER 1900
ab. *mulleri (Acupalpus maculatus, ab.)* SCHAUBERGER 1930
ab. *plagifier (Acupalpus maculatus, ab.)* SCHAUBERGER 1930
ab. *ephippiger (Acupalpus maculatus, ab.)* SCHAUBERGER 1930
ab. *obscuratus (Acupalpus maculatus, ab.)* HALBHERR 1908
ab. *melanotus (Acupalpus maculatus, ab.)* PUEL 1923
11 ***notatus (Acupalpus)*** MULSANT et REY 1861[420] `------G------------------- ?G`
= *subnotatus (Acupalpus)* BREIT 1914
= *dorsalis v.lusitanus (Acupalpus)* REITTER 1884
= *dorsalis v.sardous (Acupalpus)* FIORI 1903
= *dorsalis limbicollis (Acupalpus)* REITTER 1913
ab. *juvenilis (Acupalpus notatus, ab.)* FIORI 1903
ab. *sublusitanus (Acupalpus notatus, ab.)* FIORI 1903
ab. *quadrimaculatus (Acupalpus notatus, ab.)* FIORI 1903
ab. *mayeri (Acupalpus notatus, ab.)* SCHATZMAYR 1909
ab. *subvittatus (Acupalpus notatus, ab.)* BREIT 1911
ab. *subimmundus (Acupalpus notatus, ab.)* PUEL 1923
12 ***flaviceps (Acupalpus)*** MOTSCHULSKY 1850 `---D----------OP---------- DdPbcdefg`
13 ***storozhenkoi (Acupalpus)*** LAFER 1989 `-------------------------Z Zb`
14 ***limbatus (Acupalpus)*** GEBLER 1833[421] `-------------------T-V--Y- Yad`

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418 A (re) study of the type of *Acupalpus marginicollis* Rtt. (kept in TMB) and additional samples from Middle Asia has revealed that in fact this taxon represents but a strongly pigmented color form of the widespread *A. elegans* Dej. This form is especially characteristic of the Fergana Valley and some adjacent regions (B. Kataev) .

419 Specimens of this species have been collected in the southern Kuriles by G. Sh. Lafer (Vladivostok) .

420 A Mediterranean species once recorded in the Caucasus, but without more precise data (Jaeger, 1988) . Thus the record requires confirmation (B. Kataev) .

15 ***dubius (Acupalpus)*** SCHILSKY 1888[422] --C---------- ? Ca
= *luridus (Acupalpus)* auct. non DEJEAN 1829
ab. *barthei (Acupalpus dubius, ab.)* PUEL 1925
= *flavicollis (Acupalpus dubius, syn.)* sensu PUEL 1930 [non STURM 1825]
16 ***paludicola (Acupalpus)*** REITTER 1900 ---D----------P---------- Dd: Kalmykia: Rybachyi; Pa2: Lenkoran
= *puncticollis (Acupalpus)* auct. [non COQUEREL 1858]
17 (***luteatus (Acupalpus)*** DUFTSCHMID 1812) A--D-FG--J-----P---------- Ab; Pa incl. S Daghestan
= *nitidus (Acupalpus)* STEPHENS 1832
= *circumcinctus (Acupalpus)* R.F.SAHLBERG 1834
ab. *atriceps (Acupalpus luteatus, ab.)* PUEL 1923
ab. *marthae (Acupalpus luteatus, ab.)* PUEL 1923
18 (***exiguus (Acupalpus)*** DEJEAN 1829) --CD-F--I----NO----T------
= (*minutus (Acupalpus)* MOTSCHULSKY 1844)
= *subtilis (Acupalpus)* MOTSCHULSKY 1850
= *niger (Acupalpus)* DALLA TORRE 1877

Subgenus ***Setacupalpus*** HABU 1973
Type species: *Acupalpus subosanus* HABU 1954

19 (***sinensis (Acupalpus)*** TSCHITSCHÉRINE 1897) ----------Y- ?Ya
20 ***hilaris (Acupalpus)*** TSCHITSCHÉRINE 1899 ----------Y- Yad

Subgenus ***Palcuapus*** HABU 1973
Type species: *Acupalpus inornatus* H.BATES 1873

21 ***inornatus (Acupalpus)*** H.BATES 1873 ----------Y- Yd

insertae sedis

alpicola (Acupalpus) MÉNÉTRIÉS 1832 [nom. nud.]

Genus ***Anthracus*** MOTSCHULSKY 1850
Type species: *Carabus consputus* DUFTSCHMID 1812
= *Balius* SCHI¥DTE 1861
Type species: *Carabus consputus* DUFTSCHMID 1812

1 (***consputus (Anthracus)*** DUFTSCHMID 1812) A-CD-FGHI----NO----T------ Ia ?Tab
= (*ephippiger (Anthracus)* DUFTSCHMID 1812)
= (*vespertinus (Anthracus)* sensu GEBLER 1847) [non PANZER 1797]
= *dorsalis (Anthracus)* sensu THOMSON 1859 [non FABRICIUS 1787]
= *wimmeli (Anthracus)* REITTER 1893
var. *bivittulus (Anthracus consputus, var.)* REITTER 1893 ----------P---------- Pc
ab. (*melanocephalus (Anthracus consputus, ab.)* DEJEAN 1829)
ab. *ruficollis (Anthracus consputus, ab.)* SCHAUBERGER 1928
var. (*cordicollis (Anthracus consputus, var.)* CHAUDOIR 1846)
ab. *leonhardi (Anthracus consputus, ab.)* SCHATZMAYR 1909
ab. *reitteri (Anthracus consputus, ab.)* WANKA 1915
ab. *nigrinus (Anthracus consputus, ab.)* KOLBE 1931
2 (***longicornis (Anthracus)*** SCHAUM 1857) ---DEFG-------OP---------- O: extreme W; Pa
= *pallidus (Anthracus)* FIORI 1903
3 ***transversalis (Anthracus)*** SCHAUM 1862 ---D-F-------------------- Da: SW Moldova; Fa: Taman
= *lemovicensis (Anthracus)* BLEUSE 1882

Subtribe *HARPALINA*

Genus ***Daptus*** FISCHER von WALDHEIM 1824
Type species: *Daptus vittatus* FISCHER von WALDHEIM 1824

1 ***pictus (Daptus)*** FISCHER von WALDHEIM 1824 ---D----------P---------- Dd
= *vittiger (Daptus)* sensu MÉNÉTRIÉS 1832 [non GERMAR 1824]
= *vittatus (Daptus)* sensu FALDERMANN 1838 [non FISCHER von WALDHEIM 1824]
= *komarovi (Daptus)* sensu REITTER 1893 [non SEMENOV 1889]
2 ***vittatus (Daptus)*** FISCHER von WALDHEIM 1824 ---DEF------MNOP----------
= (*vittiger (Daptus)* GERMAR 1824)
= *labiatus (Daptus)* MOTSCHULSKY 1849
= *villiger (Daptus)* L.REDTENBACHER 1858
ab. *flaviventris (Daptus vittatus, ab.)* REITTER 1900
ab. *dorsatus (Daptus vittatus, ab.)* REITTER 1900
ab. *flavipennis (Daptus vittatus, ab.)* REITTER 1900
3 ***komarovi (Daptus)*** SEMENOV 1889 ----------P---------- Pe2: SW Turkmenistan

Genus ***Trichotichnus*** A.MORAWITZ 1863
Type species: *Trichotichnus longitarsus* A.MORAWITZ 1863
= *Iridessus* H.BATES 1883
Type species: *Harpalus lucidus* A.MORAWITZ 1863
= *Asmerinx* TSCHITSCHÉRINE 1898
Type species: *Carabus laevicollis* DUFTSCHMID 1812

1 ***nishioi (Trichotichnus)*** HABU 1961[423] ----------Y- Ya
= *congruus (Trichotichnus)* auct. [non MOTSCHULSKY 1863]
2 ***coruscus (Trichotichnus)*** TSCHITSCHÉRINE 1895 ----------YZ YZa
= *sachalinensis (Trichotichnus)* HABU 1954 **Syn. nov.**[424]
3 (***laevicollis (Trichotichnus)*** DUFTSCHMID 1812)
ssp. ***carpathicus (Trichotichnus laevicollis, ssp.)*** SCHAUBERGER 1936 A----------

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421 Although this species has been repeatedly recorded in various regions of Siberia and Russia's Far East, its precise identification will become possible only upon a restudy of the type (B. Kataev) .

422 A Euro-Mediterranean species securely unknown from the area concerned, yet possibly occurring in the W of both Belarus and Ukraine (B. Kataev) .

423 The present interpretation is based on a comparative restudy of five syntypes of *Trichotichnus congruus* Motsch. (one of the syntypes, “, labelled with a square piece of yellow paper carrying a dubious inscription, type, *Platus congruus* Motsch., is designated herewith as lectotype) , described from Japan, and abundant materials deriving from the Maritime Province and Japan. As a result, Motschulsky's species has proved to occur only in Japan (Hokkaido, Honshu, Shikoku, Kyushu) , while the species from the Maritime Province is identical to *T. nishioi* Habu, originally described from Japan as well, namely, from Hokkaido and Honshu (B. Kataev) .

424 The description of the species (cf. Habu, 1954) fully coincides with the characters of *Trichotichnus coruscus* Tschit., a species common in the Maritime Province and South Sakhalin, but absent from Japan (B. Kataev)

4 ***longitarsus (Trichotichnus)*** A.MORAWITZ 1863 ----------Z
5 (***lucidus (Trichotichnus)*** A.MORAWITZ 1863) ----------Y- Yd

Genus ***Nipponoharpalus*** HABU 1973 **Stat. nov.** [425]

Type species: *Harpalus discrepans* A.MORAWITZ 1862

1 (***discrepans (Nipponoharpalus)*** A.MORAWITZ 1862) ----------Y- Yd
= (*flavitarsis niponensis (Nipponoharpalus)* H.BATES 1883)

Genus ***Parophonus*** GANGLBAUER 1892

Type species: *Carabus maculicornis* DUFTSCHMID 1812

Subgenus ***Parophonus*** GANGLBAUER 1892

Type species: *Carabus maculicornis* DUFTSCHMID 1812

1 (***maculicornis (Parophonus)*** DUFTSCHMID 1812) A--DEFGHI------P---------- DaPa
2 (***dia (Parophonus)*** REITTER 1900) ----------Q--------- Qa: Kara-Kala, Tersakan, El-Dere

Subgenus ***Tachyophonus*** TSCHITSCHÉRINE 1900

Type species: *Harpalus planicollis* DEJEAN 1829

3 (***laeviceps (Parophonus)*** MÉNÉTRIÉS 1832) ----EF---------P---------- Pa
= (*fallax (Parophonus)* PEYRON 1858)
= *planicollis (Parophonus)* auct. [non DEJEAN 1829]
4 (***mendax (Parophonus)*** ROSSI 1790) ---D---H-------P---------- DaPa, incl. S Daghestan
= (*fulvipennis (Parophonus)* SERVILLE 1821)
5 (***planicollis (Parophonus)*** DEJEAN 1829) ----EF--I------P---------- Pa
= (*suturalis (Parophonus)* CHAUDOIR 1846)
= (*suturifer (Parophonus)* REITTER 1884)

Subgenus ***Ophonomimus*** SCHAUBERGER 1923

Type species: *Harpalus hirsutulus* DEJEAN 1829

6 (***hirsutulus (Parophonus)*** DEJEAN 1829) ---D-F--I------P-R--------
= (*acutipennis (Parophonus)* KÜSTER 1847)
= (*pubipennis (Parophonus)* KÜSTER 1849)
= (*tataricus (Parophonus)* MÉNÉTRIÉS 1849)
7 (***interstitialis (Parophonus)*** REITTER 1900) ----------P---------- Pe
= (*helvitarsis (Parophonus)* LUTSHNIK 1922)

Genus ***Harpalobrachys*** TSCHITSCHÉRINE 1899

Type species: *Harpalus leiroides* MOTSCHULSKY 1844

1 (***leiroides (Harpalobrachys)*** MOTSCHULSKY 1844) -B--------K-MN-----TUVWXYZ BeKa

Genus ***Harpalus*** LATREILLE 1802[426]

Type species: *Carabus proteus* PAYKULL 1790 [= *C.affinis* SCHRANK 1781]

The ***'cephalotes'*** species group

= *Cephalophonus* GANGLBAUER 1892[427]

Type species: *Harpalus cephalotes* FAIRMAIRE 1875

1 ***cephalotes (Harpalus)*** FAIRMAIRE et LABOULBÉNE 1854 ---D-F--I----------
= *rayei (Harpalus)* LINDER 1864
= *planuisculus (Harpalus)* KRAATZ 1873
= *somcheticus (Harpalus)* SCHAUBERGER 1933

The ***'capito'*** species group

= *Cephalomorphus* TSCHITSCHÉRINE 1897

Type species: *Harpalus capito* A.MORAWITZ 1862

2 ***capito (Harpalus)*** A.MORAWITZ 1862 ----------YZ
= (*cephalotes (Harpalus)* MOTSCHULSKY 1861) [non FAIRMAIRE et LABOULBÉNE 1854]

The ***'rufipes'*** species group

= *Pseudoophonus* MOTSCHULSKY 1844

Type species: *Carabus ruficornis* FABRICIUS 1775 [= *H.rufipes* DE GEER 1774]

= *Migadophonus* TSCHITSCHÉRINE 1897

Type species: *Ophonus aenigma* TSCHITSCHÉRINE 1897

3 ***eous (Harpalus)*** TSCHITSCHÉRINE 1901 ----------V--Y- VcYad
4 (***griseus (Harpalus)*** PANZER 1797) A-CDEFGHI----NOP-RSTU---YZ
5 (***jureceki (Harpalus)*** JEDLIªKA 1928) ----------YZ Za
6 ***ussuriensis (Harpalus)*** CHAUDOIR 1863 ----------YZ
ssp. ***ussuriensis (Harpalus ussuriensis, ssp.)*** CHAUDOIR 1863 ----------Y- Yad
ssp. ***vicarius (Harpalus ussuriensis, ssp.)*** HAROLD 1878 ----------Z
7 (***rufipes (Harpalus)*** DE GEER 1774) ABCDEFGHIJKLMNOPQRSTUV----
= (*ruficornis (Harpalus)* FABRICIUS 1775)
= (*pubescens (Harpalus)* O.MÜLLER 1776)
= (*fuscus (Harpalus)* GMELIN in LINNAEUS 1790)
= (*pulverulentus (Harpalus)* ROSSI 1790)
= (*sericeus (Harpalus)* FOURCROY 1795)
= *cribripennis (Harpalus)* CHAUDOIR 1842
= *sagowskii (Harpalus)* LUTSHNIK 1909

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425 Considered as a member of the genus *Harpalus*, in fact by the sum of imaginal characters (penial structure, glabrous paraglossae, frontal fovea prolonged in a posterolateral direction, metafemora with only two setigerous pores near hind margin, etc.) it is very closely related to the genus *Trichotichnus*, differing from the latter solely by the robust body and more numerous apical spines at the outer margin of the protibiae (B. Kataev) .

426 In our opinion, the genus *Harpalus* unites the species with the following combination of characters: paraglossae setose, frontal foveae small, incisure of the mentum with narrow lateral edges, metafemora with at least three setigerous pores near hind margin, and male meso- and metatarsomeres enlarged. In most species, also the apical opening of the aedeagus lies on the left side, the metacoxae are devoid of posteromedial setigerous pores, the basal segments of the labial palpi without oblique carinae. The species represented in the area concerned are divided between informal natural groups arranged generally in accordance with their kin relationships. These groups can be united into the following lineages: (1) *'cephalotes', 'capito', 'rufipes', 'calceatus';* (2) *'rubefactus';* (3) *'signaticornis';* (4) *'tenebrosus';* (5) *'honestus', 'atratus', 'aeneipennis', 'quadripunctatus', 'obesus';* (6) *'serripes', 'pumilis', 'anxius', 'hirtipes';* (7) *'flavescens';* (8) *'tardus', 'latus';* (9) *'vittatus', 'nigrans', 'fuscipalpis';* (10) *'lederi';* (11) *'smaragdinus', 'gisellae', cyanopterus', 'famelicus', 'ingenuus', 'rhemboides', 'cisteloides';* (12) *'optabilis';* (13) . *'cupreus', 'dimidiatus', 'metallinus';* (14) *'dispar', 'lutshnikianus';* (15) *'semenovi', 'hospes', 'affinis', 'distinguendus', 'oblitus', 'crates'* (B. Kataev) .

427 Due to the strongly pubescent body, *Cephalophonus* is usually treated as part of the genus *Ophonus*. Yet it displays all the main characters of the genus *Harpalus* in our sense (see above) and must be incorporated in the latter. The *Harpalus*, it belongs to the *Pseudoophonus* lineage (*Cephalomorphus* Tschit., *Pseudoophonus* Motsch., *Platus* Motsch., *Megapangus* Casey) . From its other members, *Cephalophonus* differs by the strongly pubescent and punctured head, and modified sternites and tergites (B. Kataev) .

8 ***roninus (Harpalus)*** H.BATES 1873 ----------Y- Yad
9 ***sinicus (Harpalus)*** HOPE 1845 ----------Y- Yd
= *rugicollis (Harpalus)* MOTSCHULSKY 1860
= *japonicus (Harpalus)* A.MORAWITZ 1862
10 (***tridens (Harpalus)*** A.MORAWITZ 1862) ----------Y- Yd
= *pecirkai (Harpalus)* JEDLIˇKA 1928
11 ***simplicidens (Harpalus)*** SCHAUBERGER 1929 ----------Y- Yd
12 ***tschiliensis (Harpalus)*** SCHAUBERGER 1929 ----------YZ
ssp. ***sutschanensis (Harpalus tschiliensis, ssp.)*** SCHAUBERGER 1929 ----------Y- Yad
ssp. ***niigatanus (Harpalus tschiliensis, ssp.)*** SCHAUBERGER 1929 ----------Z Zb
13 ***coreanus (Harpalus)*** TSCHITSCHÉRINE 1895 ----------V--Y- Yad

The ***'calceatus'*** species group
= *Platus* MOTSCHULSKY 1844
Type species: *Harpalus calcitrapus* MOTSCHULSKY 1844 [= *H.calceatus* DUFTSCHMID 1812]
= *Pardileus* DES GOZIS 1882
Type species: *Carabus calceatus* DUFTSCHMID 1812
= *Neopardileus* HABU 1954
Type species: *Ophonus itoshimanus* HABU 1954 [= *H.calceatus* DUFTSCHMID 1812]

14 (***calceatus (Harpalus)*** DUFTSCHMID 1812) A-CDEFGHI---MNOP-RSTUV--Y-
= *nonsignatus (Harpalus)* KRYNICKI 1832
= *calcitrapus (Harpalus)* MOTSCHULSKY 1844
= (*itoshimanus (Harpalus)* HABU 1954)

The ***'rubefactus'*** species group
= *Loboharpalus* SCHAUBERGER 1931[428]
Type species: *Harpalus platynotus* H.BATES 1873

15 ***rubefactus (Harpalus)*** H.BATES 1873 ----------Y- Yad
= *lobipes (Harpalus)* TSCHITSCHÉRINE 1898
f. *rufa (Harpalus rubefactus, f.)* SCHAUBERGER 1931
f. *picea (Harpalus rubefactus, f.)* SCHAUBERGER 1931
f. *laevistriata (Harpalus rubefactus, f.)* SCHAUBERGER 1931
f. *punctatostriata (Harpalus rubefactus, f.)* SCHAUBERGER 1931
f. *inseriata (Harpalus rubefactus, f.)* SCHAUBERGER 1931
f. *apiceseriata (Harpalus rubefactus, f.)* SCHAUBERGER 1931
16 ***platynotus (Harpalus)*** H.BATES 1873 ----------Z Za: env. Bykovo, Aniva

The ***'signaticornis'*** species group
= *Semiophonus* SCHAUBERGER 1933[429]
Type species: *Carabus signaticornis* DUFTSCHMID 1812

17 (***signaticornis (Harpalus)*** DUFTSCHMID 1812) --CDEFG-I----N-----T------ Tde
= *janus (Harpalus)* FAIRMAIRE 1856
var. (*impuncticeps (Harpalus signaticornis, var.)* REITTER 1900)
= (*brunieri (Harpalus)* BRIEL 1964)

The ***'tenebrosus'*** species group
= *Cryptophonus* BRANDMAYR et ZETTO BRANDMAYR 1982[430]
Type species: *Harpalus tenebrosus* DEJEAN 1829

18 ***tenebrosus (Harpalus)*** DEJEAN 1829 ---DEFGHI------PQRS------- Pa
= *solieri (Harpalus)* DEJEAN 1831
= *femoralis (Harpalus)* CHAUDOIR 1832 [non STEPHENS 1828]
= *chaudoiri (Harpalus)* MOTSCHULSKY 1850
= *wollastoni (Harpalus)* DAWSON 1854
= *transcaspicus (Harpalus)* TSCHITSCHÉRINE 1898
= *debdouensis (Harpalus)* OBENBERGER 1908
= *centralis (Harpalus)* SCHAUBERGER 1925
ab. *reductepunctus (Harpalus tenebrosus, ab.)* SCHAUBERGER 1929
ab. *hulatai (Harpalus tenebrosus, ab.)* KULT 1944
19 ***litigiosus (Harpalus)*** DEJEAN 1829 --------I------PQ--------- Pa incl. S Daghestan; Qa
20 ***melancholicus (Harpalus)*** DEJEAN 1829 ---DEF--I------P---------- Pa
= *ineditus (Harpalus)* DEJEAN 1829
= *decolor (Harpalus)* FAIRMAIRE et LABOULBÉNE 1856

The ***'honestus'*** species group
= *Amblystus* MOTSCHULSKY 1864
Type species: *Carabus rubripes* DUFTSCHMID 1812
= *Harpaloderus* REITTER 1900
Type species: *Harpalus sulphuripes* GERMAR 1824

21 ***rufipalpis (Harpalus)*** STURM 1818 -BC---GHI-------Q--------- BaCaGbcQab
= (*rufitarsis (Harpalus)* DUFTSCHMID 1812) [non ILLIGER 1802]
= *decipiens (Harpalus)* DEJEAN 1820
= (*ignavus (Harpalus)* DUFTSCHMID 1812) [part.]
= *annulicornis (Harpalus)* STEPHENS 1828
= *atrocoeruleus (Harpalus)* STEPHENS 1828
= *notatus (Harpalus)* STEPHENS 1828
= *obscuricornis (Harpalus)* STEPHENS 1828 [non STURM 1818]
= *maculicornis (Harpalus)* STEPHENS 1828 [non DUFTSCHMID 1812]
ab. *purpurascens (Harpalus rufipalpis, ab.)* SCHAUBERGER 1926

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428 According to some authors (Habu, 1973; Noonan, 1976, etc.) , *Loboharpalus* Schauberger is a synonym of *Acardystus* Reitter. In fact the similarities seem convergent, as evidenced by the principal differences in the structure of the protibiae and male genitalia (B. Kataev) .

429 Sometimes treated within the genus *Ophonus*, in our opinion it must be incorporated in the genus *Harpalus* as displaying all the latter's main characters, both imaginal and larval. Yet, like *Ophonus*, its metacoxae are supplied with a posterolateral setigerous pore. This pore, however, is present in some Harpalus as well, e.g. *Harpalus salinus* Dej. (yet absent in the closely related *Harpalus lumbaris* Mnnh.) and certain Ethiopian congeners (*H. frater* Chaud., *H. kibonoti* Alluaud, *H. agnatus* Reiche) (B. Kataev) .

430 Certain larval characters bring it close to the genus *Ophonus*, and, according to Brandmayr & Zetto Brandmayr (1981) , it must be incorporated there as a Subgenus. Based on imaginal characters, first of all the paraglossae setose, the incisure of the mentum with rather narrow lateral edges, the metacoxae without posteromedial setigerous pores, the body glabrous, we leave *Cryptophonus* within the genus *Harpalus*. Species of *Cryptophonus* are rather disjunct, for the first male mesotarsomere is neither dilated nor with adhesive vestiture, while the aedeagus is devoid of a distinct apical capitulum. Interestingly, like *Ophonus*, *Cryptophonus* displays the basal segment of the labial palpi with a distinct oblique carina. However, the latter feature is not characteristic of *Ophonus* only, being shared also with certain *Harpalus*, e.g. *H. roninus* Bates and *H. ussuriensis* Chaudoir from the Subgenus *Pseudoophonus* (B. Kataev) .

ab. *haineri (Harpalus rufipalpis, ab.)* PULP´N 1948

22 (***honestus (Harpalus)*** DUFTSCHMID 1812) `A--DE-GHI---------- ?Db ?E`
= (*ignavus (Harpalus)* DUFTSCHMID 1812)
= (*cuniculinus (Harpalus)* DUFTSCHMID 1812)
= *nitidus (Harpalus)* STURM 1818
= *janthinus (Harpalus)* GAUTIER 1872
= *insiguis (Harpalus)* GAUTIER 1872
= *honestoides (Harpalus)* REITTER 1900
ab. *pallidipes (Harpalus honestus, ab.)* REITTER 1918
ab. *despectus (Harpalus honestus, ab.)* SCHAUBERGER 1926
ab. *fabichi (Harpalus honestus, ab.)* MA¿AN 1935
ab. *subhonestus (Harpalus honestus, ab.)* KULT 1944

23 ***sulphuripes (Harpalus)*** GERMAR 1824 `---D---------- Db: only one record from Kiev`
= *azureus (Harpalus)* DALLA TORRE 1877 [non FABRICIUS 1775]
= *viridis (Harpalus)* DALLA TORRE 1877 [non SAY 1823]
= *obscurus (Harpalus)* DALLA TORRE 1877 [non FABRICIUS 1792]
ab. *decolor (Harpalus sulphuripes, ab.)* SCHAUBERGER 1926 [non FAIRMAIRE & LABOULBÉNE 1856]

24 ***neglectus (Harpalus)*** SERVILLE 1821 `--CD---------- CaDb`
= *pumilus (Harpalus)* STEPHENS 1828 [non STURM 1818]
ab. *rufithorax (Harpalus neglectus, ab.)* ANTOINE 1920
ab. *galiberti (Harpalus neglectus, ab.)* PUEL 1925
ab. *neglectoides (Harpalus neglectus, ab.)* PULP´N 1948

25 (***rubripes (Harpalus)*** DUFTSCHMID 1812) `ABCDEFGHIJKLMNO-QRSTUV--YZ Za`
= (*fulvipes (Harpalus)* DUFTSCHMID 1812) [non FABRICIUS 1801]
= *azureus (Harpalus)* STURM 1818 [non FABRICIUS 1775]
= *glaberellus (Harpalus)* STURM 1818
= *azurescens (Harpalus)* GYLLLENHAL 1827
= *chloropterus (Harpalus)* STEPHENS 1828
= *subsinuatus (Harpalus)* STEPHENS 1828
= *lentus (Harpalus)* STEPHENS 1828 [non STURM 1818]
= *ignavus (Harpalus)* STEPHENS 1828 [non DUFTSCHMID 1812]
= *nigrocoeruleus (Harpalus)* STEPHENS 1828
= *punctiger (Harpalus)* STEPHENS 1828
= *sobrinus (Harpalus)* DEJEAN 1829
= *nobilitatus (Harpalus)* FALDERMANN 1835
= *amoenus (Harpalus)* HEER 1838
= *truncatus (Harpalus)* ROSENHAUER 1842
= *hyperboreus (Harpalus)* MOTSCHULSKY 1844
= *rufipes (Harpalus)* MOTSCHULSKY 1844 [non DE GEER 1774]
= *alpestris (Harpalus)* L.REDTENBACHER 1849 [non HEER 1838]
= *viridulus (Harpalus)* SOLSKY 1874 [non FOURCROY 1785]
ab. *niger (Harpalus rubripes, ab.)* E.FRIVALDSZKY 1889
= *subtruncatus (Harpalus)* C.SCHAUFUSS in CALWER 1916 [non CHAUDOIR 1846]
= *turkestanicus (Harpalus)* CSIKI 1932
ab. *pokornyi (Harpalus rubripes, ab.)* KULT 1944
ab. *pseudoquadripunctatus (Harpalus rubripes, ab.)* PULP´N 1948

26 ***attenuatus (Harpalus)*** STEPHENS 1828 `---DE---I-------Q--------- DbQa`
= *consentaneus (Harpalus)* DEJEAN 1829
= *maxillosus (Harpalus)* DEJEAN 1829
= *picilabris (Harpalus)* STEPHENS 1832
= *hespericus (Harpalus)* ROSENHAUER 1856
= *intermedius (Harpalus)* DESBROCHERS 1865
= *arenicola (Harpalus)* WESMAEL 1872
= *latitibia (Harpalus)* REY 1886
ab. *habroterus (Harpalus attenuatus, ab.)* ANTOINE 1941

The *'atratus'* species group

27 ***atratus (Harpalus)*** LATREILLE 1804 `A--DEFGHI---------- Da`
= (*subsinuatus (Harpalus)* DUFTSCHMID 1812)
= (*hottentota (Harpalus)* DUFTSCHMID 1812)
= *dilatatus (Harpalus)* KOLENATI 1845 [non MOTSCHULSKY 1844]
= *femoratus (Harpalus)* DALLA TORRE 1877

The *'aeneipennis'* species group [431]

28 (***aeneipennis (Harpalus)*** FALDERMANN 1836) `------GH---------- Gab`

29 ***chrysopus (Harpalus)*** REITTER 1900[432] `------G---------- Ga`
ssp. ***chrysopus (Harpalus chrysopus, ssp.)*** REITTER 1887 `------G---------- Ga1: N of Mzymta Riv.`
= *retowskianus (Harpalus chrysopus, syn.)* REITTER 1887 **Syn. nov.**
= *retowskii (Harpalus chrysopus, syn.)* REITTER 1887 **Syn.nov**. non HEYDEN 1883
= *dinniki (Harpalus chrysopus, syn.)* LUTSHNIK 1933 **Syn. nov.**
ssp. ***abasinus (Harpalus chrysopus, ssp.)*** ROST 1891 **Stat. nov.** `------G---------- Ga13: SE of Mzymta Riv.`
ssp. ***contumax (Harpalus chrysopus, ssp.)*** LUTSHNIK 1933 **Stat. nov.** `------G---------- Ga3: Gagrian Mt.R.`

The *'quadripunctatus'* species group

30 ***quadripunctatus (Harpalus)*** DEJEAN 1829 `ABC---GH--KLMN-----TUVWXYZ GbcXd`
= *laevipes (Harpalus)* ZETTERSTEDT 1838
= *impressipennis (Harpalus)* MOTSCHULSKY 1844
= *rufimanus (Harpalus)* LECONTE 1848 [non MARSHAM 1802]
= *alienus (Harpalus)* LECONTE 1879 [non H.BATES 1878]
var. *montivagus (Harpalus quadripunctatus, var.)* REITTER 1900
= *sachalinensis (Harpalus)* MATSUMURA 1911 **Syn. nov.**[433]

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431 To incorporate this group, Reitter (1900c) established the Subgenus *Harpaloxys* Rtt. Yet, in addition to the Caucasian species, without fair grounds, he attributed there the considerably disjunct Iberian *Harpalus cardioderus* Putz. (=*H. ebenus* Heyd.) . Although the name *Harpaloxys* has been traditionally applied to the Caucasian species, we have not synonymized it under the *'aeneipennis'* group, since Noonan (1976, January) has already fixed the name *Harpaloxys* by designating the above Iberian form as the type-species. An almost simultaneous typification of the Caucasian *Harpalus aeneipennis* Fald. as the type-species by Iablokoff-Khnzorian (1976, December) is thus invalid (B. Kataev) .

432 The present interpretation and synonymy are based on a (re) study of abundant materials of this group from the western Caucasus, including the primary types of Reitter, Rost and Lutshnik. The species described by these authors actually represent only local forms of the widespread *Harpalus chrysopus* Rtt., and solely *abasinus* Rost and *contumax* Lutsh. seem to warrant the rank of its subspecies (B. Kataev) .

= *egregius (Harpalus)* CASEY 1914
= *instructus (Harpalus)* CASEY 1924
= *motschulskyanus (Harpalus)* SCHAUBERGER 1928
= *baergi (Harpalus)* CSIKI 1932
= *cascadiensis (Harpalus)* HATCH 1949
= *ainus (Harpalus)* HABU et BABA 1963
ab. *octopunctatus (Harpalus quadripunctatus, ab.)* BARSEVSKIS 1993

31 ***farkaci (Harpalus)*** KATAEV et WRASE 1995 ----------Y- Yd: Khasan Distr., Black Mts

The *'obesus'* species group

32 ***major (Harpalus)*** MOTSCHULSKY 1850 ----------TUVW-Y-
= *obesus (Harpalus)* A.MORAWITZ 1862
= *crassus (Harpalus)* TSCHITSCHÉRINE 1895

The *'serripes'* species group

33 (***serripes (Harpalus)*** QUENSEL 1806) A-CDEFGHI-----OP-R-T------
ssp. ***serripes (Harpalus serripes, ssp.)*** QUENSEL 1806 A-CDEFGHI-----OP---T------ O: west; Pab; Tb
= *fuscipalpis (Harpalus serripes, syn.)* STEPHENS 1828 [non STURM 1818]
= *stygius (Harpalus serripes, syn.)* STEPHENS 1832
= *tenebrosus (Harpalus serripes, syn.)* STEPHENS 1832 [non DEJEAN 1829]
= *convexus (Harpalus serripes, syn.)* FAIRMAIRE et LABOULBÉNE 1856 [non FALDERMANN 1836]
= *nigripes (Harpalus serripes, syn.)* DALLA TORRE 1877 [non STURM 1818]
= *picipes (Harpalus serripes, syn.)* DALLA TORRE 1877
ab. *subchalybaeus (Harpalus serripes, ab.)* REITTER 1900
ab. *pateri (Harpalus serripes, ab.)* PUEL 1937
= *tardoides (Harpalus serripes, syn.)* HANSEN 1940
ab. *pulpani (Harpalus serripes, ab.)* KULT 1944
ssp. ***ernsti (Harpalus serripes, ssp.)*** KATAEV 1995 **Nom. nov.**[434] ----------R-------- Rab
= *affinis (Harpalus serripes, syn.)* BALLION 1878 [non SCHRANK 1781]
= *ballioni (Harpalus serripes, syn.)* KIRSCHENHOFER 1990 [non HEYDEN 1882]

34 ***pseudoserripes (Harpalus)*** REITTER 1900 ----------QRS------- Rde
ab. *pseudochalybaeus (Harpalus pseudoserripes, ab.)* SCHAUBERGER 1926
ssp. ***pseudoserripes (Harpalus pseudoserripes, ssp.)*** REITTER 1900 ----------QRS-------
ssp. ***apicipunctatus (Harpalus pseudoserripes, ssp.)*** MLYNA¿ [nom. nud.] ----------S------- Sde:from Kuhitangtau to Peter-the-Great,Khozratishoh Mt.r.

35 ***politus (Harpalus)*** DEJEAN 1829 ---D--G-I---MNO--R-T------ Rb
ssp. ***politus (Harpalus politus, ssp.)*** DEJEAN 1829 ---D--------MNO--R-T------ Rb
ssp. ***vasilinini (Harpalus politus, ssp.)*** LUTSHNIK 1916 ------G-I---------- Gc

36 ***flavicornis (Harpalus)*** DEJEAN 1829 ---DEFGHI----------
ssp. ***flavicornis (Harpalus flavicornis, ssp.)*** DEJEAN 1829 ---DEFGHI----------
= *lentus (Harpalus flavicornis, syn.)* STURM 1818
= *coracinus (Harpalus flavicornis, syn.)* STURM 1818
= *obscuricornis (Harpalus flavicornis, syn.)* STURM 1818
ab. *scipio (Harpalus flavicornis, ab.)* REITTER 1900
ab. *testaceipes (Harpalus flavicornis, ab.)* ROUBAL 1926
? *helopioides (Harpalus flavicornis, syn.)* FALDERMANN 1835
ssp. ***tingens (Harpalus flavicornis, ssp.)*** REITTER 1900 ------G---------- Ga

The *'pumilus'* species group
= *Actephilus* STEPHENS 1833
Type species: *Carabus vernalis* DUFTSCHMID 1812 [= *H.vernalis* FABRICIUS 1801]

37 (***pumilus (Harpalus)*** STURM 1818) A-CDEFGHI-----O--R-T------ RabeTa
= (*vernalis (Harpalus)* FABRICIUS 1801) [non PANZER 1796]
= *funestus (Harpalus)* SERVILLE 1821
= *nigripennis (Harpalus)* MOTSCHULSKY 1844 [non DEJEAN 1829]
= (*parvulus (Harpalus)* BALLION 1878)
= *picipennis v.barthei (Harpalus)* ANTOINE 1920
= *fleischeri (Harpalus)* EICHLER 1924
ab. *flavofemoratus (Harpalus pumilus, ab.)* SCHAUBERGER 1928
ab. *rufofemoratus (Harpalus pumilus, ab.)* SCHAUBERGER 1928 [nom. err.]

38 ***masoreoides (Harpalus)*** H.BATES 1878 ----------RST------ Ta
39 ***picipennis (Harpalus)*** DUFTSCHMID 1812 --CDE----------
= *multisetosus (Harpalus)* THOMSON 1884
40 ***lutshniki (Harpalus)*** SCHAUBERGER 1932 ---D--------MN---R-T-V---- DcRab V: Barguzin Reserve
41 ***pusillus (Harpalus)*** MOTSCHULSKY 1850 ----------TUVW--- UcdWa
= *bradycelloides (Harpalus)* REITTER 1900
42 ***acupalpoides (Harpalus)*** REITTER 1900 ----------TUV---- Uc
43 ***michaili (Harpalus)*** KATAEV 1990 ----------M------TUV---- M: Novosibirsk, Uc
44 ***longipalmatus (Harpalus)*** MORDKOVITCH 1969 ----------TUV--Y- TdUcYa

The *'anxius '* species group
= *Ooistus* MOTSCHULSKY 1864
Type species: *Harpalus taciturnis* DEJEAN 1829

45 (***anxius (Harpalus)*** DUFTSCHMID 1812) A-CDEFG---K--NO--R-TU----- Ubcd
= *faber (Harpalus)* MÉNÉTRIÉS 1832
= (*sericeus (Harpalus)* DUFTSCHMID 1812) [non FOURCROY 1785]
= (*piger (Harpalus)* DUFTSCHMID 1812)
= *nigripes (Harpalus)* STURM 1818
= *tibialis (Harpalus)* SERVILLE 1821
= *coracinus (Harpalus)* STEPHENS 1828 [non Sturm. 1818]
= *femoralis (Harpalus)* STEPHENS 1828
= *flaviventris (Harpalus)* STEPHENS 1828 [non STURM 1818]
= *luteicornis (Harpalus)* STEPHENS 1828 [non DUFTSCHMID 1812]
= *amicus (Harpalus)* DUFOUR 1843
= *ambigenus (Harpalus)* REICHE 1853

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433 Described from 1” deriving from Kusunnai (Sakhalin) . Regrettably, the type is absent from the Matsumura Collection kept at the Entomological Institute, Hokkaido University, Sapporo, Japan. The synonymy is based on a comparison of the original description with the Harpalus species currently known from Sakhalin. Matsumura's description fully agrees with the yellow-legged Far Eastern form of *H. quadripunctatus* Dej. that both Habu and Baba proposed as the subspecies *ainus* (B. Kataev) .

434 The name is given after Ernst Ballion who described that form. Both earlier names, *affinis* Ballion and *ballioni* Kirschenhofer, have junior homonyms. The subspecies is characterized by the rounded angles of the pronotum (B. Kataev) .

ab. *pandelitius (Harpalus anxius, ab.)* SCHAUBERGER 1930
ab. *rufitorax (Harpalus anxius, ab.)* PUEL 1938
ab. *veneti (Harpalus anxius, ab.)* PUEL 1938
46 ***kirgisicus (Harpalus)*** MOTSCHULSKY 1844 ---D---------NO--R-------- DcRa
47 ***quasianxius (Harpalus)*** KATAEV 1989 -------HI-------Q---------
48 ***amariformis (Harpalus)*** MOTSCHULSKY 1844 ------------------TUVW-Y- WaYa
49 ***amplicollis (Harpalus)*** MÉNÉTRIÉS 1848 ---DEFG------NOPQR-TUV---- GcRabdUc
= *nitidulus (Harpalus)* MOTSCHULSKY 1844 [non STEPHENS 1828]
= *obtusicollis (Harpalus)* PUTZEYS 1877
50 ***calathoides (Harpalus)*** MOTSCHULSKY 1844 ---DEF-------NO---STU----- Sc
= *strasseri (Harpalus)* REITTER 1900
51 (***servus (Harpalus)*** DUFTSCHMID 1812) --CDEF--------O----------
= *obscuricornis (Harpalus)* MOTSCHULSKY 1844 [non STURM 1818, nec STEPHENS 1828]
= *sericeus (Harpalus)* MOTSCHULSKY 1844 [non FOURCROY 1785]
= *dilatatus (Harpalus)* MOTSCHULSKY 1844
= *ovatus (Harpalus)* CHAUDOIR 1844
= *bucculentus (Harpalus)* KRAATZ 1874
= *brunnescens (Harpalus)* DALLA TORRE 1877
= *maritimus (Harpalus)* O.SCHNEIDER 1898
ab. *berckensis (Harpalus servus, ab.)* ANTOINE 1920
= *eupatoriae (Harpalus)* SCHAUBERGER 1932
52 ***subcylindricus (Harpalus)*** DEJEAN 1829 --CDEFG-I----NO--R-------- Rab
= *armeniacus (Harpalus)* CHAUDOIR 1846
= *pumilis (Harpalus)* DEJEAN 1829 [non STURM 1818, nec STEPHENS 1828]
= *pumilis subalbanicus (Harpalus)* PUEL 1938
= *anxius avarus (Harpalus)* SCHAUBERGER 1930
53 ***egorovi (Harpalus)*** LAFER 1989 ------------------TUVW-YZ WaYabdZaUc

The '***hirtipes***' species group

= *Haploharpalus* SCHAUBERGER 1926
Type species: *Harpalus froelichi* STURM 1818
= *Euharpalops* CASEY 1924
Type species: *Euharpalops wadei* CASEY 1924 [= *H.fraternus* LECONTE 1852]

54 (***hirtipes (Harpalus)*** PANZER 1797) --CDEF--------O--R-TUV---- Rb
= *latus (Harpalus)* MOTSCHULSKY 1844 [non LINNAEUS 1758]
= *motschulskyi (Harpalus)* GEMMINGER et HAROLD 1868
55 ***alajensis (Harpalus)*** TSCHITSCHÉRINE 1898 ----------------R-------- Rbd: E Kirghizskyi Mt.R., Naryn-Too, ? Alai
= *sogdinoides (Harpalus)* J.SAHLBERG 1903
56 ***tichonis (Harpalus)*** JACOBSON 1907 ---D------------R-TUV--Y- Dc: Saratov Prov.; Rab
= *ussuriensis (Harpalus)* TSCHITSCHÉRINE 1898 [non CHAUDOIR 1863]
= *pseudocorporosus (Harpalus)* SCHAUBERGER 1930
57 (***corporosus (Harpalus)*** MOTSCHULSKY 1861) ----------------------XYZ ?Xd
58 ***alpivagus (Harpalus)*** TSCHITSCHÉRINE 1899 ------G------------------ G: N slope from Krasnodarsky Prov. to Azerbaijan
= *zabroides alpivaga (Harpalus)* TSCHITSCHÉRINE 1899
59 ***macronotus (Harpalus)*** TSCHITSCHÉRINE 1893 -------------O----TUV---- O: central and eastern portions; Uc
60 ***zabroides (Harpalus)*** DEJEAN 1829 A-CDEFGHI-K--NO--RSTUV---- KbSacUc
= *lycaon (Harpalus)* LINDER 1860
61 ***brevis (Harpalus)*** MOTSCHULSKY 1844 --C-------K--NO--R-TUV--Y- CcKbcRbcdYa
= *pastus (Harpalus)* MÉNÉTRIÉS 1849
62 ***brevicornis (Harpalus)*** GERMAR 1824 ------------N---R-TUVW-Y- N: east; RbcdYa
= *turculus (Harpalus)* H.BATES 1878
= *liodes (Harpalus)* H.BATES 1878
= *atratus (Harpalus)* BALLION 1878 [non LATREILLE 1804]
= *ballioni (Harpalus)* HEYDEN 1882
63 ***froelichi (Harpalus)*** STURM 1818 A-CDEF--I----NOPQR-TUV--Y- PbWb
= *segnis (Harpalus)* DEJEAN 1829
= *regularis (Harpalus)* MOTSCHULSKY 1844
= *rivularis (Harpalus)* MOTSCHULSKY 1844
= *tardoides (Harpalus)* JEDLIᵃKA 1965 [non HANSEN 1940]
= *aimaki (Harpalus)* JEDLIᵃKA 1968

The '***flavescens***' species group

= *Acardystus* REITTER 1908
Type species: *Harpalus rufus* BRÜGGEMANN 1873 [= *H.flavescens* PILLER et MITTERPACHER 1783]

64 (***flavescens (Harpalus)*** PILLER et MITTERPACHER 1783) --CD----------O---------- O: extreme west
= (*ferrugineus (Harpalus)* FABRICIUS 1775) [non LINNAEUS 1758]
= *fabricii (Harpalus)* CROTCH 1870
= *rufus (Harpalus)* BRÜGGEMANN 1873

The '***tardus***' species group

65 ***modestus (Harpalus)*** DEJEAN 1829 A--D---------------TUV--Y- AbDbYadUd
? (*aestivus (Harpalus)* DUFTSCHMID 1812)
= *flavitarsis (Harpalus)* DEJEAN 1829
= *piceus (Harpalus)* DALLA TORRE 1877
66 ***bungii (Harpalus)*** CHAUDOIR 1844 ------------------------Y- Yad
= *misellus (Harpalus)* TSCHITSCHÉRINE 1897
= *variipes (Harpalus)* H.BATES 1883
67 ***chasanensis (Harpalus)*** LAFER 1989 ------------------------Y- Yd: Khasan Distr., Golubinyi Utes
68 ***tangutorum (Harpalus)*** KATAEV 1993 ------------------------Y- Ya: Khabarovskaya Prov., Malyi Khingan Mt.R.
69 (***tardus (Harpalus)*** PANZER 1797) ABCDEFGHIJ---N---R-------- Re: Tashkent
= (*rufimanus (Harpalus)* MARSHAM 1802)
= *fuliginosus (Harpalus)* STEPHENS 1828 [non DUFTSCHMID 1812]
= *latus (Harpalus)* STEPHENS 1828 [non LINNAEUS 1758]
= *amaroides (Harpalus)* FALDERMANN 1835
= *angustior (Harpalus)* J.SAHLBERG 1873
= *rufipes (Harpalus)* DALLA TORRE 1877 [non DE GEER 1774]
= *tibialis (Harpalus)* DALLA TORRE 1877 [non SERVILLE 1821]
= *brunnipes (Harpalus)* DALLA TORRE 1877 [non DEJEAN 1829]
ab. *pueli (Harpalus tardus, ab.)* ANTOINE 1920
ab. *kocvarai (Harpalus tardus, ab.)* PULP´N 1948
70 ***tarsalis (Harpalus)*** MANNERHEIM 1825 ---D------K--N---R-TUV--YZ DbKbRabYadZa

= *lokayi (Harpalus)* JEDLIˆKA 1929
= *hokkaidensis (Harpalus)* HABU et BABA 1963

71 ***albanicus (Harpalus)*** REITTER 1900 ---DEFG-I---------- in Transcaucasia Azerbaijan and E Georgia
ab. *pseudoanxius (Harpalus albanicus, ab.)* SCHAUBERGER 1930

The ***'latus'*** species group

72 (***latus (Harpalus)*** LINNAEUS 1758) ABCD-FGHIJ--MNO----TUVWXYZ WbXd
= (*surinamensis (Harpalus)* FABRICIUS 1792)
= (*fulvipes (Harpalus)* FABRICIUS 1801)
= (*limbatus (Harpalus)* DUFTSCHMID 1812)
= *flaviventris (Harpalus)* STURM 1818
= *lateralis (Harpalus)* STEPHENS 1832 [non DEJEAN 1829]
= *acuminatus (Harpalus)* STEPHENS 1832
= *ruficeps (Harpalus)* CURTIS 1833
= *rugulosus (Harpalus)* HEER 1838
= *foveicollis (Harpalus)* DELHERM 1877 [non MOTSCHULSKY 1844]
ab. *perversus (Harpalus latus, ab.)* ROUBAL 1917
ab. *metallescens (Harpalus latus, ab.)* E.C.RYE 1874
73 ***ussuricus (Harpalus)*** MLYNA¿ 1979 ----------Y- Yad
74 ***torridoides (Harpalus)*** REITTER 1900 ----------K--------TUVW-Y- Ka1Wab
= *changaicus (Harpalus)* JEDLIˆKA 1968
75 ***progrediens (Harpalus)*** SCHAUBERGER 1922 ABCDE-----K-M----------
76 ***xanthopus (Harpalus)*** GEMMINGER et HAROLD 1868 -BCDEFGH--K------R-TUVWXYZ
ssp. ***xanthopus (Harpalus xanthopus, ssp.)*** GEMMINGER et HAROLD 1868 ----------R-TUVWXYZ Rab
= *pallipes (Harpalus xanthopus, syn.)* MOTSCHULSKY 1844 [non CHAUDOIR 1837]
ssp. ***winkleri (Harpalus xanthopus, ssp.)*** SCHAUBERGER 1923 -BCDEFGH--K---------- Db
77 ***solitaris (Harpalus)*** DEJEAN 1829 -B--------K-M------TUVWXYZ
= (*fuliginosus (Harpalus)* DUFTSCHMID 1812) [non PANZER 1809]
= *chevrieri (Harpalus)* HEER 1837
= *lapponicus (Harpalus)* ZETTERSTEDT 1837
var. *germanicus (Harpalus solitaris, var.)* REITTER 1900
= *opicus (Harpalus)* CASEY 1914
78 ***marginellus (Harpalus)*** DEJEAN 1829[435] possible in A
? (*caffer (Harpalus)* DUFTSCHMID 1812)
= *piceus (Harpalus)* DALLA TORRE 1877
= *brunneus (Harpalus)* DALLA TORRE 1877
ab. *munganasti (Harpalus marginellus, ab.)* REITTER 1908
= *reductus (Harpalus)* SCHAUBERGER 1928
79 (***luteicornis (Harpalus)*** DUFTSCHMID 1812) --CD----------
= *servus (Harpalus)* STEPHENS 1832 [non DUFTSCHMID 1812]
80 ***nigritarsis (Harpalus)*** C.R.SAHLBERG 1827 -B--------KLM------TUVWX-- BbKa1Xd
= *femoralis (Harpalus)* MOTSCHULSKY 1844 **Syn. nov.** [non STEPHENS 1828] [436]
= *sibiricus (Harpalus)* CSIKI 1932 **Syn. nov.**
81 ***rufiscapus (Harpalus)*** GEBLER 1833 ---D----------O--R-TUVW-Y- DdRacTUcdWbYa
= *torridus (Harpalus)* MOTSCHULSKY 1844
= *foveicollis (Harpalus)* MOTSCHULSKY 1844 **Syn. nov.**[437]
= *torridiformis (Harpalus)* POPPIUS 1906

The ***'vittatus'*** species group

82 ***vittatus (Harpalus)*** GEBLER 1833 [non REITTER 1900, nec SCHAUBERGER 1926] ----------TUVW-Y-
ssp. ***vittatus (Harpalus vittatus, ssp.)*** GEBLER 1833 ----------TUV--Y- ?Ya
= *lyratus (Harpalus vittatus, syn.)* MOTSCHULSKY 1844
ssp. ***kiselevi (Harpalus vittatus, ssp.)*** KATAEV et SHILENKOV 1990 ----------W--- Wb
ssp. ***alaskensis (Harpalus vittatus, ssp.)*** LINDROTH 1968 ----------W--- Wa
83 ***udege (Harpalus)*** LAFER 1989 ----------N-----TUV--Y- N: Novosibirskaya Area
84 ***alexeevi (Harpalus)*** KATAEV 1990 ----------R-------- Rbcd
85 ***manas (Harpalus)*** KATAEV 1990 ----------S------- Sa: E part of Alai Mt.R.

The ***'nigrans'*** species group

86 ***nigrans (Harpalus)*** A.MORAWITZ 1862 ----------N-----TUV--YZ N: north Altai Prov.
= *punctibasis (Harpalus)* POPPIUS 1906
= *pohnerti (Harpalus)* JEDLIˆKA 1929
87 ***sinuatus (Harpalus)*** TSCHITSCHÉRINE 1893 ----------TUV--Y- TdefgYa
= *femoralis (Harpalus)* J.SAHLBERG 1880 [non STEPHENS 1828, nec MOTSCHULSKY 1844]

The ***'fuscipalpis'*** species group

= *Harpalobius* REITTER 1900
Type species: *Harpalus fuscipalpis* STURM 1818
= *Harpalellus* LINDROTH 1968
Type species: *Harpalus basilaris* KIRBY 1837 [= *H.fuscipalpis* STURM 1818]

88 (***fuscipalpis (Harpalus)*** STURM 1818) --CD-F--I----NO--RSTUVW--- RabcdSabWa
? *constrictus (Harpalus)* DUFTSCHMID 1812
= *basilaris (Harpalus)* KIRBY 1837
= *taphrioides (Harpalus)* MOTSCHULSKY 1844
= *fulvipennis (Harpalus)* MOTSCHULSKY 1844
= *varicornis (Harpalus)* LECONTE 1848
= *obesulus (Harpalus)* LECONTE 1852
= (*extensus (Harpalus)* F.WALKER 1866)
= *castilianus (Harpalus)* VUILLEFROY 1866

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435 This montane Middle European species has been repeatedly recorded in various regions of the former Soviet Union, including a relatively recent report from the Zakarpatskaya Area (=Transcarpathia) (Ponomarchuk, 1962) . Yet its occurrence in the Carpathians, where indeed it is perhaps more likely to live than anywhere else within the territories concerned, seems doubtful. All revised specimens appear to refer in fact to the black form of *Harpalus rubripes* Duft., from which *H. marginellus* Dej., among other things, differs well by the lack of a fringe of short hairs at the caudal edge of the pronotum (B. Kataev) .

436 Described from the Khamar-Daban Mts. The synonymy is based on a restudy of three syntypes of *Harpalus femoralis* Motsch. (kept in ZMM) . One “, labelled *Amblystus femoralis* mihi, Mt. Hamar-D. and Mt. Hamar-Dab. and identical to *H. nigritarsis* Sahlb., is designated herewith as lectotype, one more (“, labelled Mt. Hamar-Dab. and *Amblystus femoralis* Mots., Dauria and Mt. Hamar-Dab.) has proved to belong in fact to *H. solitaris* Dej., and the last (“, labelled Dauria and *femoralis*) to *H. torridoides* Rtt. The replacement name *sibiricus* has been introduced by Csiki instead of the preoccupied name *femoralis* (B. Kataev, V. Shilenkov) .

437 Described both from the Urals and the environs of Tobolsk, it has been treated as a junior synonym of *H. latus* L. The new synonymy is based on a restudy of a syntype “ labelled *Amblystus foveicollis* Mots., Sibir (kept in ZMM) (B. Kataev) .

= *brunneus (Harpalus)* DALLA TORRE 1877
= *semicastaneus (Harpalus)* REITTER 1900
= *oblongus (Harpalus)* CASEY 1914
= *sejunctus (Harpalus)* CASEY 1914
= *renoicus (Harpalus)* CASEY 1914
= *furviculus (Harpalus)* CASEY 1924
= *stocktonensis (Harpalus)* CASEY 1924
= *ventricosus (Harpalus)* CASEY 1924
= *durescans (Harpalus)* CASEY 1924
= *subenormis (Harpalus)* CASEY 1924
ab. *castaneipes (Harpalus fuscipalpis, ab.)* SCHAUBERGER 1926
= *celioides (Harpalus)* MÉNÉTRIÉS 1848
= *narynensis (Harpalus)* JEDLIᵃKA 1958

89 ***viridanus (Harpalus)*** MOTSCHULSKY 1844 ----------R-TUV--Y- RcYa
= *unicolor (Harpalus)* MOTSCHULSKY 1844
= *planatus (Harpalus)* MOTSCHULSKY 1844
= *cyclogonus (Harpalus)* CHAUDOIR 1844
= *cyaneus (Harpalus)* TSCHITSCHÉRINE 1893 [non BALLION 1878]
= *przewalskyi (Harpalus)* TSCHITSCHÉRINE 1894
= *versicolor (Harpalus)* REITTER 1900
ab. *fuscipalpoides (Harpalus viridanus, ab.)* SCHAUBERGER 1926
= *csikii (Harpalus)* JEDLIᵃKA 1967

90 ***inexspectatus (Harpalus)*** KATAEV 1989 ---DEF--------O--RS------- Sc
91 ***fuscicornis (Harpalus)*** MÉNÉTRIÉS 1832 ---DEFG-I-----O-QRST------ GaSacTa
= *subvirens (Harpalus)* CHAUDOIR 1846
= *satanas (Harpalus)* REITTER 1900

The '*lederi*' species group

92 ***lederi (Harpalus)*** TSCHITSCHÉRINE 1899 ----------U-W--- WaUc

The '*smaragdinus*' species group

93 (***smaragdinus (Harpalus)*** DUFTSCHMID 1812) ABCDEFGHI-K--NOP-RSTU----- KbUc ?P
= (*petifii (Harpalus)* DUFTSCHMID 1812)
= *duftschmidi (Harpalus)* STURM 1818
= *perflexus (Harpalus)* GYLLLENHAL 1827
= *caffer (Harpalus)* STEPHENS 1828
= *discoideus (Harpalus)* ERICHSON 1837
ab. *fassatii (Harpalus smaragdinus, ab.)* PULP´N 1948
ab. *daneki (Harpalus smaragdinus, ab.)* PULP´N 1948
= *smaragdinus reinigi (Harpalus)* SCHAUBERGER 1933

94 ***pallidipennis (Harpalus)*** A.MORAWITZ 1862 ----------TUV--Y- TdeUc
= *thoracicus (Harpalus)* MOTSCHULSKY 1844 [non STEPHENS 1828]
= (*temperatus (Harpalus)* KOLBE 1886)
= *flavipennis (Harpalus)* REITTER 1900

95 ***sarmaticus (Harpalus)*** MOTSCHULSKY 1850 ---D---------NO--R-TU-----
ssp. ***sarmaticus (Harpalus sarmaticus, ssp.)*** MOTSCHULSKY 1850 ---D---------NO--R-T------ DcdeRaTacd
= *cyanellus (Harpalus sarmaticus, syn.)* KRAATZ 1874
= *plustschewskyi (Harpalus sarmaticus, syn.)* TSCHITSCHÉRINE 1895
ssp. ***olenini (Harpalus sarmaticus, ssp.)*** POPPIUS 1906 ----------U----- Ud

96 ***compressus (Harpalus)*** MOTSCHULSKY 1844 ---DEF--------O----------- O: west
= *amator (Harpalus)* REITTER 1900 **Syn. nov.**[438]

The '*gisellae*' species group

97 ***gisellae (Harpalus)*** CSIKI 1932 ----------R-------- Rb: central part of Kirghizsky Mt.R.
= *errans (Harpalus)* TSCHITSCHÉRINE 1897 [non PÉRINGUEY 1896]

98 ***kiritshenkoi (Harpalus)*** KATAEV 1990 ----------R-------- Re: W of Kirghizsky Mt.R., Talassky & Ugamsky Mt.r.

99 ***ovtshinnikovi (Harpalus)*** KATAEV 1990 ----------R-------- Rb: E of Kirghizsky Mt.R.

100 ***zhdankoi (Harpalus)*** KATAEV 1990 ----------R-------- Ra: Dzhungarsky Alatau

101 ***mitridati (Harpalus)*** PLIGINSKY 1915 ---DEF--------O-----------
= *mithridatis (Harpalus)* CSIKI 1932 [nom. emend.]

The '*cyanopterus*' species group [439]

102 ***cyanopterus (Harpalus)*** TSCHITSCHÉRINE 1897 ----------R-------- Re: Talassky,Ugamsky,Karzhantau,Pskemsky,Karatau Mt.r.
= (*complicans (Harpalus)* REITTER 1900)

103 (***pterostichus (Harpalus)*** REITTER 1900) ----------R-------- Re: Chatkalsky Mt.R.

The '*famelicus*' species group

104 ***famelicus (Harpalus)*** TSCHITSCHÉRINE 1898 ----------S------- Sc: Hissar-Darvaz
ssp. ***famelicus (Harpalus famelicus, ssp.)*** TSCHITSCHÉRINE 1898 ----------S------- Sc: N Hissar: Lake Iskanderkul
ssp. ***fanensis (Harpalus famelicus, ssp.)*** KATAEV et WRASE 1993 ----------S------- Sc: Zeravshan, Fan Mts
ssp. ***loxophonoides (Harpalus famelicus, ssp.)*** KATAEV et WRASE 1993 ----------S------- Sc: S slope of Hissarsky, Karateginsky Mt.r.

105 ***diligens (Harpalus)*** TSCHITSCHÉRINE 1898 ----------S------- Sd: Peter-the-Great, Khozratishoh Mt.r.

106 ***strenuus (Harpalus)*** TSCHITSCHÉRINE 1898 ----------S------- Sc: Hissarsky (E of Varzob) & Karateghinsky Mt.r.

107 ***arnoldii (Harpalus)*** KATAEV 1988 ----------R-------- Re: Fergansky Mt.R.

The '*ingenuus* ' species group

108 ***ingenuus (Harpalus)*** TSCHITSCHÉRINE 1898 ----------S------- Sa: Alai Mt.R.
= *alajanicus (Harpalus)* JEDLIᵃKA 1957 **Syn. nov.**[440]

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438 Described from the Caspian Sea coast near Derbent and then considered as a junior synonym of *Harpalus smaragdinus* Duft. The new synonymy is based on a restudy of two syntypes of *H. compressus* Motsch. (kept in ZMM) . One of these (“, labelled *Amblystus compressus* mihi, Derbent and Derbent) is designated herewith as lectotype, while the second (“, labelled *Amblystus compressus* Mots., Rus. mer. and Isam) as paralectotype. Both specimens have already been identified, labelled but not published by K. V. Arnoldi as *H. amator* (B. Kataev) .

439 Both species of this group have been described in *Ophonus*, yet their paraglossae are setose, the incisure of the mentum is with narrow lateral edges, the basal segment of the labial palpi is without oblique carina, the metacoxae are devoid of posterolateral setigerous pores. Hence both have been assigned to the genus *Harpalus* (B. Kataev) .

440 The synonymy has been established but never published by Z. Mlyna® (Prague) . We have restudied a syntype of *Harpalus ingenuus* Tschit. (“, labelled Alai - G. Schahimard. 6300' and *Harp. ingenuus* m. Typ., Tschitschérine det.) and one “ with the labels ALAI, '*H. alajanicus* Jedl. (cum Typo comp.) = *ingenuus* Tschit. Z. Mlyna® det. 1976 var. ? ssp., both in ZISP (B. Kataev) .

109 ***arcuatus (Harpalus)*** TSCHITSCHÉRINE 1898 ----------S------- Sd: Peter-the-Great Mt.R.
= *rhemboides conradti (Harpalus)* SCHAUBERGER 1934 **Syn. nov.**[441]

The *'pulvinatus'* species group

110 ***pulvinatus (Harpalus)*** MÉNÉTRIÉS 1848 ---D-F--I-----OPQRS-------
ssp. ***pulvinatus (Harpalus pulvinatus, ssp.)*** MÉNÉTRIÉS 1848 ----------P-RS------- PcdeRabeSac
= *sublaevigatus (Harpalus pulvinatus, syn.)* TSCHITSCHÉRINE 1898
ssp. ***lubricus (Harpalus pulvinatus, ssp.)*** REITTER 1900 ---D-F--I-----OPQ--------- DcFb;O: west; Pag
111 ***breviusculus (Harpalus)*** CHAUDOIR 1846 --------I-----------------
= *rotundicollis (Harpalus)* KOLENATI 1845 **Syn.nov.** [non KIRBY 1837][442]
= *kolenatii (Harpalus)* LUTSHNIK 1922 **Syn. nov.**[443]

The *'rhemboides '* species group

112 ***rhemboides (Harpalus)*** SOLSKY 1874 ----------P---------- Pcd: from Aral Sea to E Cisbalkhashia
113 ***ferghanensis (Harpalus)*** TSCHITSCHÉRINE 1899 ----------P---------- Pf

The *'cisteloides'* species group

114 ***cisteloides (Harpalus)*** MOTSCHULSKY 1844 --C---GHI-K--NO--RSTUVW--- CcKbWb
ssp. ***cisteloides (Harpalus cisteloides, ssp.)*** MOTSCHULSKY 1844 --C-------K--NO--RSTUVW---
= *maurus (Harpalus cisteloides, syn.)* TSCHITSCHÉRINE 1897
ssp. ***schouberti (Harpalus cisteloides, ssp.)*** TSCHITSCHÉRINE 1898 ------GHI-----------------
115 ***aequicollis (Harpalus)*** MOTSCHULSKY 1844 ----------TUV--Y- Ya
= *acuminatus (Harpalus)* sensu TSCHITSCHÉRINE 1893 [non MOTSCHULSKY 1844]
= *obenbergeri (Harpalus)* JEDLIªKA 1928
= *eichingeri (Harpalus)* JEDLIªKA 1965
116 ***heyrovskyi (Harpalus)*** JEDLIªKA 1928 ----------TUV----
117 ***kadyrbekovi (Harpalus)*** KATAEV 1988 ----------R-------- Rb: Kunguei Alatoo Mt.R.

The *'optabilis'* species group

= *Conicus* MOTSCHULSKY 1844
Type species: *Harpalus acuminatus* MOTSCHULSKY 1844 [= *H.optabilis* DEJEAN 1829]
= *Pheuginus* MOTSCHULSKY 1844
Type species: *Harpalus optabilis* DEJEAN 1829

118 ***optabilis (Harpalus)*** DEJEAN 1829 ---D----------OP---------- DbcPe
= *acuminatus (Harpalus)* MOTSCHULSKY 1844 [non STEPHENS 1832]
= *ovalis (Harpalus)* MOTSCHULSKY 1844
= *relator (Harpalus)* REITTER 1900
119 ***ellipticus (Harpalus)*** BALLION 1878 ---D----------O--R-TUV---- DcdRbcUcVcd
= *sushkini (Harpalus)* LUTSHNIK 1933
= *suchebaatori (Harpalus)* JEDLIªKA 1967

The *'salinus'* species group

= *Hypsinephus* H.BATES 1878
Type species: *Hypsinephus ellipticus* H.BATES 1878 [= *H.salinus* DEJEAN 1829]
= *Rapahlus* LUTSHNIK 1922
Type species: *Harpalus salinus* DEJEAN 1829

120 ***salinus (Harpalus)*** DEJEAN 1829 ---D---------NO--RST--W---
ssp. ***salinus (Harpalus salinus, ssp.)*** DEJEAN 1829 ---D---------NO--R-T------ DdRbTb
ssp. ***agonus (Harpalus salinus, ssp.)*** TSCHITSCHÉRINE 1894 ----------RS------- RcSb
= (*ellipticus (Harpalus salinus, syn.)* H.BATES 1878) [non BALLION 1878]
ssp. ***klementzae (Harpalus salinus, ssp.)*** KATAEV 1984 ----------T--W--- TdgWa
= *lumbaris (Harpalus salinus, syn.)* sensu MLYNA¿ 1974
121 ***lumbaris (Harpalus)*** MANNERHEIM 1825 ----------O----TUV---- O: central & eastern portions
= *cervicis (Harpalus)* MOTSCHULSKY 1844
= *salinus (Harpalus)* sensu MLYNA¿ 1974

The *'autumnalis'* species group

122 (***autumnalis (Harpalus)*** DUFTSCHMID 1812) --CD----------
= (*impiger (Harpalus)* DUFTSCHMID 1812)
= *inunctus (Harpalus)* STURM 1818
= *seriepunctatus (Harpalus)* STURM 1818
= *lactius (Harpalus)* DALLA TORRE 1877
= *nigrescens (Harpalus)* DALLA TORRE 1877
= *rufescens (Harpalus)* DALLA TORRE 1877
= *marginatus (Harpalus)* DALLA TORRE 1877
= *rufus (Harpalus)* SCHILSKY 1889
ab. *octopunctata (Harpalus autumnalis, ab.)* ROUBAL 1949
123 ***kazanensis (Harpalus)*** JEDLIªKA 1958 ------G---------- ? Ga: Sochi
124 ***foveiger (Harpalus)*** TSCHITSCHÉRINE 1895 ---D---------- Dd
= *impressipennis (Harpalus)* MÉNÉTRIÉS 1848 [non DEJEAN 1829, nec MOTSCHULSKY 1844]
125 ***reflexus (Harpalus)*** PUTZEYS 1877 --------I-----------------
ssp. ***reflexus (Harpalus reflexus, ssp.)*** PUTZEYS 1877 --------I----------- Ia
= *mihatschi (Harpalus reflexus, syn.)* REITTER 1900
ssp. ***anadoluensis (Harpalus reflexus, ssp.)*** KATAEV 1993 --------I----------- Ic
= *brachypterus ciliciensis (Harpalus reflexus, syn.)* MLYNA¿ 1979[444]
126 ***tristis (Harpalus)*** TSCHITSCHÉRINE 1898[445] --------I----------- ? Ib
= *danieli (Harpalus)* REITTER 1900

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441 The synonymy has been established upon a restudy of two syntypes of *Harpalus arcuatus* Tschit. (2" with the labels Karategin, 22/VI 89 Gr., ZISP) as well as of a paratype of *H. rhemboides* s. *conradti* Schaub. (", labelled Buchara, Karategin, 3200 m, 21.VI.89 Conradt S., Cotype, *Harpalus rhemboides* s. *conradti* Schaub., loc. class., *rhemboides* Sols. s. *conradti* Schaud. det. D. E. Schaub. (OÖLL, Linz) (B. Kataev) .

442 *Harpalus rotundicollis* Kol. has been described from Tiflis (= Tbilisi) , *H. breviusculus* Chaud. from Armenia. The synonymy is based on a comparison of the type of *H. rotundicollis* (", labelled Tiflis, Kolenati, *Harpalus rotundicollis* Kolenati Tschitschérine det., Coll. Mus. Vindob., Type, in NHMW) with specimens of *H. breviusculus* from Armenia (B. Kataev) .

443 A new name for *rotundicollis* Kolenati (B. Kataev) .

444 A junior primary homonym of *H. cribricollis* var. *ciliciensis* Schauberger 1927 (B. Kataev) .

445 This rare, poorly-known species has been recorded by Iablokoff-Khnzorian (1976) in Armenia (Bardashat) , but its occurrence in the Caucasus still requires confirmation as being improbable (B. Kataev) .

The *'**antonowi**'* species group
= *Brachypangus* TSCHITSCHÉRINE 1898
Type species: *Brachypangus antonowi* TSCHITSCHÉRINE 1829

127 (***antonowi (Harpalus)*** TSCHITSCHÉRINE 1898) [446] ----------Q--------- Qb: loc. typ.: Germab

The *'**setiporus**'* species group
= *Loxophonus* REITTER 1894
Type species: *Harpalus setiporus* REITTER 1894

128 ***setiporus (Harpalus)*** REITTER 1894 ----------S------- Sd: Darvazsky Mt.R.
129 (***agakhaniantzi (Harpalus)*** MICHAILOV 1972) ----------S------- Sd: Vanch Mt.R.
130 ***badakschanus (Harpalus)*** JEDLIªKA 1955 ----------S------- Sb: Shugnansky, Ishkashimsky, Shakhdarinsky Mt.R.

The *'**cupreus** '* species group [447]
= *Lasioharpalus* REITTER 1900
Type species: *Harpalus cupreus* DEJEAN 1829

131 ***cupreus (Harpalus)*** DEJEAN 1829
ssp. ***fastuosus (Harpalus cupreus, ssp.)*** FALDERMANN 1836 A---EF--I------P---------- AbPa

The *'**dimidiatus**'* species group

132 (***dimidiatus (Harpalus)*** ROSSI 1790) [448] ---------J----------
= (*schreibersi (Harpalus)* DUFTSCHMID 1812)
= (*hirtipes var. beta (Harpalus)* DUFTSCHMID 1812)
= (*corvus (Harpalus)* DUFTSCHMID 1812)
= (*depressus (Harpalus)* DUFTSCHMID 1812)
= (*crassipes (Harpalus)* DUFTSCHMID 1812)
= (*hirtipes (Harpalus)* DUFTSCHMID 1812) [non PANZER 1797]
= (*simplex (Harpalus)* DUFTSCHMID 1812)
= *melampus (Harpalus)* DUFTSCHMID 1812
= *thoracicus (Harpalus)* STEPHENS 1828
= *semiviolaceus (Harpalus)* DEJEAN 1829
= *grandicollis (Harpalus)* REICHE 1861
= *fulvipes (Harpalus)* BEFFA 1909 [non FABRICIUS 1801, nec DUFTSCHMID 1812]
ab. *beffai (Harpalus dimidiatus, ab.)* LUTSHNIK 1922
= *tarsicus (Harpalus)* JEDLIªKA 1958
= *persianus (Harpalus)* JEDLIªKA 1958
133 (***caspius (Harpalus)*** STEVEN 1806) ---DEFGHI----------
= *roubali (Harpalus)* SCHAUBERGER 1928
= *pseudodimidiatus (Harpalus)* SCHAUBERGER 1928
ab. *cyaneocollis (Harpalus caspius, ab.)* SCHAUBERGER 1928
ab. *adumbratus (Harpalus caspius, ab.)* SCHAUBERGER 1928
ab. *stichai (Harpalus caspius, ab.)* MA¿AN 1933
? *roubali ab. ferruginipes (Harpalus caspius, syn.)* PUEL 1935 loc. typ.: Sarepta

The *'**metallinus**'* species group

134 ***metallinus (Harpalus)*** MÉNÉTRIÉS 1838 -----F--I------P---------- FbPa
= *virescens (Harpalus)* FALDERMANN 1835 [non DEJEAN 1829]
= *seriatus (Harpalus)* CHAUDOIR 1848

The *'**dispar**'* species group
= *Artabas* DES GOZIS 1882
Type species: *Harpalus punctatostriatus* DEJEAN 1829

135 ***dispar (Harpalus)*** DEJEAN 1829 ---DEF-------NOP---TU-----
ssp. ***splendens (Harpalus dispar, ssp.)*** GEBLER 1830 ---DEF-------NO----TU----- TgUc
= *interstinctus (Harpalus dispar, syn.)* MOTSCHULSKY 1844
= *sublaevis (Harpalus dispar, syn.)* POPPIUS 1907
ssp. ***elegantulus (Harpalus dispar, ssp.)*** MÉNÉTRIÉS 1832 ---------------P---------- Pae including S Daghestan
136 ***punctatostriatus (Harpalus)*** DEJEAN 1829 ----E---------- E: env. Sevastopol
ab. *axioratus (Harpalus punctatostriatus, ab.)* ANTOINE 1941
ab. *alternatus (Harpalus punctatostriatus, ab.)* ANTOINE 1959
137 ***petri (Harpalus)*** TSCHITSCHÉRINE 1902 ---D---------- Dc: Rostovskaya Area, Taman
138 ***kabakianus (Harpalus)*** KATAEV 1988 ---------------P---------- Pc: E part
= *cupreus ab. nigrinus (Harpalus)* JEDLIªKA 1965 **Syn. nov.** [449]
139 ***vereschaginae (Harpalus)*** KATAEV 1988 ---------------P---------- Pe
140 ***pygmaeus (Harpalus)*** DEJEAN 1829 A--DEF---------- Ab
= *ochreatus (Harpalus)* REICHE 1855
ab. *pygmaeolus (Harpalus pygmaeus, ab.)* REITTER 1908

The *'**lutshnikianus**'* species group
= *Smirnovia* LUTSHNIK 1922
Type species: *Smirnovia tristis* LUTSHNIK 1922

141 ***kandaharensis (Harpalus)*** JEDLIªKA 1955 ---------------P---------- Pe1g
= *lutshnikianus (Harpalus)* KATAEV 1987
= (*tristis (Harpalus)* LUTSHNIK 1922) [non TSCHITSCHÉRINE 1878]

The *'**semenovi**'* species group
= *Cephalotypsis* TSCHITSCHÉRINE 1901
Type species: *Harpalus semenowi* TSCHITSCHÉRINE 1901

142 ***kryzhanovskii (Harpalus)*** KATAEV 1988 ----------Q--------- Q: northern foot

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446 Described and hitherto known solely from 1" (kept in ZISP) . By a combination of characters, it is close to the *'autumnalis'* group (B. Kataev) .

447 Besides *H. cupreus* Dej., this group includes also both East Mediterranean *H. euchloros* Mén. and East Asian *H. chalcentus* Bat. Numerous authors bring these species to the *'distinguendus'* group, whereas by the structure of the male genitalia and peripheral characters, both appear very close to two consequent species-groups (B. Kataev) .

448 This species is widespread in Western Europe and the N Near East. It has been repeatedly recorded in various parts of the territories in question, but it occurs reliably only in the Talysh Mts (B. Kataev) .

449 As revealed by a restudy of the holotype of *Harpalus cupreus* ab. *nigrinus* Jedl. (", labelled Ssemiretschj. Ilijsk, *Harp*. sp. n. af. *cupreus*, Holotype, *Harpalus cupreus* a. *nigrinus* nov., det. Ing. Jedliºka, in SMNH) , this name is based on an erroneously identified species later described as *H. kabakianus* Kataev. The name *nigrinus* having been introduced by Jedliºka as infrasubspecific already after 1960, it has no status in the nomenclature (B. Kataev) .

The *'**hospes**'* species group

= *Harpalophonus* GANGLBAUER 1892

Type species: *Harpalus hospes* STURM 1818

143 ***hospes (Harpalus)*** STURM 1818 `A--DEF--I------P---T------`

ssp. ***hospes (Harpalus hospes, ssp.)*** STURM 1818 `A--DE--------------T------ AbTa`

= *sturmi (Harpalus)* DEJEAN 1829

= *gaudionis (Harpalus)* REICHE 1861

ssp. (***armenus (Harpalus hospes, ssp.)*** K.DANIEL 1904) `--------I------P---------- IPa`

ssp. ***ciscaucasicus (Harpalus hospes, ssp.)*** LUTSHNIK 1921 `-----F--------------------`

144 ***steveni (Harpalus)*** DEJEAN 1829 `---DEF-------NO-----------`

= (*tauricus (Harpalus)* MOTSCHULSKY 1850)

= (*retowskyi (Harpalus)* HEYDEN 1883)

= (*festivus (Harpalus)* K.DANIEL 1904)

= (*vulpinus (Harpalus)* K.DANIEL 1904)

145 (***terrestris (Harpalus)*** MOTSCHULSKY 1844) `---D----------O----------- Dde`

= (*inderiensis (Harpalus)* MOTSCHULSKY 1848)

= *zhicharevi (Harpalus)* LUTSHNIK 1921

= *praetermissus (Harpalus)* LUTSHNIK 1921 [non C.R.SAHLBERG 1827]

146 ***circumpunctatus (Harpalus)*** CHAUDOIR 1846 `---D-F--------OPQ--------- DdFbPabQa`

= *subsimilis (Harpalus)* CHAUDOIR 1846

= (*rotundicollis (Harpalus)* MOTSCHULSKY 1848) [non KOLENATI 1845]

= *pexus (Harpalus)* MÉNÉTRIÉS 1849

= (*sareptanus (Harpalus circumpunctatus, syn.)* K.DANIEL 1904)

= *infrequens (Harpalus circumpunctatus, syn.)* LUTSHNIK 1921

The *'**affinis**'* species group

= *Epiharpalus* REITTER 1900

Type species: *Carabus aeneus* FABRICIUS 1775 [= *H.affinis* SCHRANK 1781]

= *'aeneus group'* sensu *'aeneus group'* sensu JEDLIᵃKA 1957

147 (***affinis (Harpalus)*** SCHRANK 1781) `ABCDEFGHIJK-MNO--R-TUVW-YZ RbZa`

= (*aeneus (Harpalus)* FABRICIUS 1775) [non DE GEER 1774]

= (*viridulus (Harpalus)* FOURCROY 1785)

= (*proteus (Harpalus)* PAYKULL 1790)

= (*azureus (Harpalus)* PANZER 1801) [non FABRICIUS 1775]

= *viridiaeneus (Harpalus)* BEAUVOIS 1805

= *viridis (Harpalus)* SAY 1823

= *confusus (Harpalus)* DEJEAN 1829

= *assimilis (Harpalus)* DEJEAN 1829

= *semipunctatus (Harpalus)* DEJEAN 1829

= *borysthenicus (Harpalus)* KRYNICKI 1832

= *transparens (Harpalus)* MOTSCHULSKY 1844

= *bifoveolatus (Harpalus)* KÜSTER 1846

= *limbopunctatus (Harpalus)* FUSS 1858

= *elegans (Harpalus)* PRELLER 1862

= *interstitialis (Harpalus)* GREDLER 1863

= *chloros (Harpalus)* DALLA TORRE 1877

= *azureus (Harpalus)* DALLA TORRE 1877 [non FABRICIUS 1775]

= *convictor (Harpalus)* CASEY 1884

= *canonicus (Harpalus)* CASEY 1884

= *lustralis (Harpalus)* CASEY 1884

= *aenescens (Harpalus)* CASEY 1884

= *coerulescens (Harpalus)* SCHILSKY 1888

ab. *hykai (Harpalus affinis, ab.)* KULT 1944

ab. *kulti (Harpalus affinis, ab.)* PULP´N 1948

= *kubanicus (Harpalus)* JEDLIᵃKA 1957

148 ***tjanschanicus (Harpalus)*** SEMENOV 1889 `-----------------R-------- Rabcd`

= *cyclopius (Harpalus)* REITTER 1900

149 ***staudingeri (Harpalus)*** JEDLIᵃKA 1953 `---------------P-RST------`

ssp. ***staudingeri (Harpalus staudingeri, ssp.)*** JEDLIᵃKA 1953 `---------------P-RS------- PcSc`

ssp. ***altaicus (Harpalus staudingeri, ssp.)*** JEDLIᵃKA 1968 `-----------------R-T------ RaTab`

= *uenci (Harpalus staudingeri, syn.)* JEDLIᵃKA 1969

150 ***glasunovi (Harpalus)*** KATAEV 1987 `-----------------R-------- Rb: Kirghizsky Mt.R.; Rde: Talassky Mt.R.`

151 ***anisodactyliformis (Harpalus)*** SOLSKY 1874 `------------------S------- Sac`

= *erosoides (Harpalus)* JEDLIᵃKA 1953

152 ***pewtzowi (Harpalus)*** TSCHITSCHÉRINE 1897 `--------------OP---------- Pa1cde (Pa1: Apsheron)`

= *palumbinus (Harpalus)* LUTSHNIK 1922

? *coerulatus (Harpalus)* H.BATES 1878

153 ***bucharicus (Harpalus)*** TSCHITSCHÉRINE 1898 `------------------S------- Sd: Karateghinsky, Peter-the-Great, Darvazsky Mt.r.`

154 ***michailovi (Harpalus)*** KATAEV 1987 `------------------S------- Sd: Khozratishoh Mt.R.`

155 ***erosus (Harpalus)*** MANNERHEIM 1825 `-------------------TUV--Y- Ya`

= *cyanescens (Harpalus)* MOTSCHULSKY 1844

= *violaceus (Harpalus)* CHAUDOIR 1844

= *rotundangulus (Harpalus)* JEDLIᵃKA 1957 **Syn. nov.**[450]

156 (***obtusus (Harpalus)*** GEBLER 1833) `-------------------TUVW-Y-`

ssp. (***obtusus (Harpalus obtusus, ssp.)*** GEBLER 1833) `-------------------TUV--Y-`

= *rotundatus (Harpalus obtusus, syn.)* CHAUDOIR 1844

= *glaberrimus (Harpalus obtusus, syn.)* MOTSCHULSKY 1848

= *subsulcatus (Harpalus obtusus, syn.)* MOTSCHULSKY 1848

= *petreus (Harpalus obtusus, syn.)* MOTSCHULSKY 1850

= *subcordatus (Harpalus obtusus, syn.)* POPPIUS 1907

= *redikortzewi (Harpalus obtusus, syn.)* LUTSHNIK 1933

ssp. ***amputatoides (Harpalus obtusus, ssp.)*** MLYNA¿ 1979 `----------------------W--- Wab`

The *'**distinguendus**'* species group

157 (***distinguendus (Harpalus)*** DUFTSCHMID 1812) `ABCDEFGHI-K--NOPQRST----Y-`

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450 The present synonymy is based on a restudy of the holotype of *Harpalus rotundangulus* Jedl. (“ labelled Vorolovka, Sibir. orient., Typus, *Harpalus rotundangulus* sp.n., det. Ing. Jedliᵒka, Mus. Nat. Pragae, Inv. 24251, (= *H. rotundangulus* Jedliᵒka) = *erosus* Gebl., Z. Mlyna® det., 1975, in MNP) . As seen from Mlyna®'s label attached to the holotype, this synonymy dates back to 1975, yet it has since remained unpublished (B. Kataev) .

ssp. ***distinguendus (Harpalus distinguendus, ssp.)*** DUFTSCHMID 1812 `ABCDEFGHI-K--NOPQRSTU----- Ubcd`
= (*psittaceus (Harpalus distinguendus, syn.)* FOURCROY 1785)
= *chlorizans (Harpalus distinguendus, syn.)* DALLA TORRE 1877 [non SOLSKY 1874]
= *brunneus (Harpalus distinguendus, syn.)* DALLA TORRE 1877
ab. *melanescens (Harpalus distinguendus, ab.)* DALLA TORRE 1877
var. *nigricans (Harpalus distinguendus, var.)* SCHILSKY 1888
var. *virens (Harpalus distinguendus, var.)* SCHILSKY 1888
var. *coeruleus (Harpalus distinguendus, var.)* SCHILSKY 1888 [non DALLA TORRE 1877]
ab. *psittacinus (Harpalus distinguendus, ab.)* REITTER 1900
ab. *coerulescens (Harpalus distinguendus, ab.)* REITTER 1908 [non SCHILSKY 1888]
ab. *melas (Harpalus distinguendus, ab.)* KUHNT 1912 [non DALLA TORRE 1877]
ab. *torrei (Harpalus distinguendus, ab.)* PUEL 1935
ab. *bicoloratus (Harpalus distinguendus, ab.)* PUEL 1935
ab. *nigerripes (Harpalus distinguendus, ab.)* PUEL 1935
ab. *contemptulus (Harpalus distinguendus, ab.)* PUEL 1935
ab. *subcontemptulus (Harpalus distinguendus, ab.)* PUEL 1935
ab. *contemptoides (Harpalus distinguendus, ab.)* PUEL 1935
ab. *ardoisi (Harpalus distinguendus, ab.)* PUEL 1935
ab. *obscurotinctus (Harpalus distinguendus, ab.)* PATER 1939
ab. *ploceki (Harpalus distinguendus, ab.)* KULT 1944
ssp. ***kidanicus (Harpalus distinguendus, ssp.)*** KATAEV 1989 `------------------------Y- Ybd`

158 ***saxicola (Harpalus)*** DEJEAN 1829 `---DEF--I-----------------`
= *fugax (Harpalus)* FALDERMANN 1835

159 ***angulatus (Harpalus)*** PUTZEYS 1877 `---D----I-----------------`
ssp. ***angulatus (Harpalus angulatus, ssp.)*** PUTZEYS 1877 `--------I----------------- Iab`
ssp. ***scytha (Harpalus angulatus, ssp.)*** TSCHITSCHÉRINE 1899 `---D----------O---------- O: extreme west`

The *'oblitus'* species group

160 ***oblitus (Harpalus)*** DEJEAN 1829
ssp. ***oblitus (Harpalus oblitus, ssp.)*** DEJEAN 1829 `---D-F-------NOP---T------ Pa: env. Tbilisi, Tb`
= *dzambuli (Harpalus oblitus, syn.)* JEDLIªKA 1966

161 ***smyrnensis (Harpalus)*** HEYDEN 1888 `-------HI-----------------`
ssp. ***raddei (Harpalus smyrnensis, ssp.)*** TSCHITSCHÉRINE 1897 `-------HI----------------- HcIa`
= *erivanus (Harpalus smyrnensis, syn.)* REITTER 1900
ssp. ***medicus (Harpalus smyrnensis, ssp.)*** KATAEV 1993 `-------HI----------------- Iabc; Hb: Meskhetian Mt.R.`
= *subtruncatus (Harpalus smyrnensis, syn.)* auct. [non CHAUDOIR 1846]

162 ***akinini (Harpalus)*** TSCHITSCHÉRINE 1895 `---DEFG-------O--R---V---- Ra; Va: Tankhoy`
= *merus (Harpalus)* TSCHITSCHÉRINE 1895

163 ***subtruncatus (Harpalus)*** CHAUDOIR 1846 `---------------P---------- Pa2`
= *chaudoirianus (Harpalus)* LUTSHNIK 1922

164 ***quadratus (Harpalus)*** CHAUDOIR 1846 `-------HI----------------- HcIab`
= *polychromus (Harpalus quadratus, syn.)* TSCHITSCHÉRINE 1897

The *'crates'* species group

165 ***crates (Harpalus)*** H.BATES 1883 `------------------------Y-`
= *chlorizans (Harpalus)* H.BATES 1883 [non SOLSKY 1874, nec DALLA TORRE 1877]

incertae sedis

166 ***agonoderus (Harpalus)*** PUTZEYS 1877 `described from env. Baku`
167 ***pastor (Harpalus)*** MOTSCHULSKY 1844 `Siberia, sur la frontière de la Mongolie`
168 ***basalis (Harpalus)*** MOTSCHULSKY 1844[451]
169 ***uniformis (Harpalus)*** MOTSCHULSKY 1844[452]
170 ***plebejus (Harpalus)*** TSCHITSCHÉRINE 1897 [non GYLLLENHAL 1810][453]
= *massageta (Harpalus)* SILFVERBERG 1977
171 ***convexus (Harpalus)*** FALDERMANN 1836 `described from Transcaucasia`
172 ***sulcatulus (Harpalus)*** FALDERMANN 1836[454]
173 ***katavensis (Harpalus)*** JEDLIªKA 1957[455]

Genus ***Neophygas*** NOONAN 1976

Type species: *Phygas nitidus* MOTSCHULSKY 1848 [= *N.microcephalus* FALDERMANN 1835]

= *Phygas* MOTSCHULSKY 1848 [non TREITSCHKE 1883]

Type species: *Phygas nitidus* MOTSCHULSKY 1848

1 (***microcephalus (Neophygas)*** FALDERMANN 1835) `-------------------TUV---- TdgUc`
= (*obtusangulus (Neophygas)* FALDERMANN 1835)
= (*nitidus (Neophygas)* MOTSCHULSKY 1848) [non STURM 1818]
= (*corpulentus (Neophygas)* SCHAUM 1860)

Genus ***Microderes*** FALDERMANN 1835[456]

Type species: *Microderes robustus* FALDERMANN 1835 [= *M.brachypus* DEJEAN 1829]

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451 Described from the environs of Tourkinsk on the E bank of Lake Baikal. According to Mlyna® (1979) , it represents a junior synonym of *H. xanthopus* Gem. et Har., yet such an opinion seems equivocal. The Motschulsky Collection (kept in ZMM) contains only a badly damaged specimen lacking a head, a pronotum, midlegs and intestines, labelled *Amblystus basalis* Motsch., Sib. or. and Irkutsk, perhaps representing a syntype. The size of the preserved parts of that specimen better correspond to *Harpalus latus* L. (B. Kataev) .

452 Described from the environs of Semipalatinsk, possibly it represents a synonym of *H. staudingeri altaicus* Jedl. (B. Kataev) .

453 Described from an unspecified locality from material taken by M. J. Chaffanjon, whose route lay from Tashkent via Aulie-Ata (= Dzhambul) , Pishpek (= Bishkek) and Tokmak up to the N coast of Lake Issyk-Kul. According to the original description, it is very close to *H. plustschewskii* Tschit. (= *H. sarmaticus* Motsch.) (B. Kataev) .

454 Described from Transcaucasia, it is considered as a synonym of *H. luteicornis* Duft. (Csiki, 1932) , a species we believe absent from the Caucasus (B. Kataev) .

455 Described in the Subgenus *Pardileus* from 1" deriving from the Urals (Katav) , it is close to *H. calceatus* Duft., according to the original description. The species rank of *H. katavensis* seems highly equivocal (B. Kataev) .

456 The genus *Microderes* is accepted here as embodying *Microharpalus* and *Neopangus* as its subgenera. *Pangus* with the sole constituent species *P. scaritides* Sturm is allotted the rank of a separate genus. *Microderes* is very close to *Harpalus*, being characterized by the large head, presence of a prosternal pubescence, very weakly concave anterior margin of the labrum, narrow lateral edges of the incisure at the fore margin of the mentum, 1-2 spines at the tip of an apicoventral tubercle on the protibia, not enlarged 1st segment of the male mesotarsi, either without adhesive vestiture or with two small scales near the apex, and aedeagus with the apical opening on the left side and with a developed apical capitulum. *Microderes* s. str. encompasses two winged species with a very long prosternal pubescence but without tooth on the mentum. By many features, the monobasic *Microharpalus* is very close, but it displays a denticle on the mentum and a particular penial structure. Neopangus unites the apterous species with a shorter prosternal pubescence, while the structure of the aedeagus in some of its constituents is very similar to that of *Microderes* s. str. (see also Kataev, 1995) (B. Kataev) .

Subgenus ***Microderes*** FALDERMANN 1835

Type species: *Microderes robustus* FALDERMANN 1835

= *Bioderus* MOTSCHULSKY 1852

Type species: *Microderes robustus* FALDERMANN 1835

1 (***brachypus (Microderes)*** DEJEAN 1829) ---D-F--I-----OPQRS------- Dcde
= *robustus (Microderes)* FALDERMANN 1835
= (*setipes (Microderes)* MOTSCHULSKY 1846)

2 (***undulatus (Microderes)*** GEBLER 1841) ----------OP---------- Pbcde
= (*externepunctatus (Microderes)* SOLSKY 1874)
= *roseni (Microderes)* BRANCSIK 1900

Subgenus ***Neopangus*** TSCHITSCHÉRINE 1898

Type species: *Neopangus breviformis* TSCHITSCHÉRINE 1898

3 (***namanganensis (Microderes)*** HEYDEN 1885) ----------R-------- Re, incl. Fergansky Mt.R.
4 (***breviformis (Microderes)*** TSCHITSCHÉRINE 1898) ----------S------- Sc: Hissarsky Mt.R.
5 (***diversopunctatus (Microderes)*** SOLSKY 1874) ----------RS-------
ssp. (***diversopunctatus (Microderes diversopunctatus, ssp.)*** SOLSKY 1874) ----------S------- Sc: Kuhitang-Tau, W Hissarsky & W Zeravshansky Mt.R.
ssp. (***heterostrictus (Microderes diversopunctatus, ssp.)*** TSCHITSCHÉRINE 1898) **Stat. nov.**[457] ----------R-------- Re: Karatau, W Talas, W Chatkal & W Turkestansky Mt.R.
= (*primaeverus (Microderes diversopunctatus, syn.)* KRYZHANOVSKIJ) [nom. nud.]
6 (***intermittens (Microderes)*** SOLSKY 1874) ----------S------- Sce: Zeravshansky, W Hissarsky, Kuhitang-Tau Mt.R.
7 (***subtilis (Microderes)*** TSCHITSCHÉRINE 1898) ----------S------- Sc: Nuratau
8 (***taschketensis (Microderes)*** JEDLIªKA 1958) ----------S-------
Scd:Hissarsky,Karategin,Vakhsh,Darvazsky,Khozratishoh Mt.r
= (*gurjevae (Microderes)* KRYZHANOVSKIJ) [nom. nud.]
= (*lopatini (Microderes)* KRYZHANOVSKIJ) [nom. nud.]
9 (***hissarianus (Microderes)*** KRYZHANOVSKIJ) [nom. nud.] ----------S------- Sc: Hissarsky Mt.R. - Anzob Pass
10 (***kuhistanus (Microderes)*** KRYZHANOVSKIJ) [nom. nud.] ----------S------- Sc: Fan Mts, Baisuntau Mt.R.
ssp. (***bergi (Microderes kuhistanus, ssp.)*** KRYZHANOVSKIJ) [nom. nud.] ----------S------- Turkestansky Mt.R.
11 (***kiritshenkoi (Microderes)*** KRYZHANOVSKIJ) [nom. nud.] ----------S------- Se

Subgenus ***Microharpalus*** TSCHITSCHÉRINE 1898

Type species: *Harpalus nanulus* TSCHITSCHÉRINE 1898

12 (***nanulus (Microderes)*** TSCHITSCHÉRINE 1898) ----------TU----- Tg

Genus ***Pangus*** DEJEAN 1821[458]

Type species: *Harpalus scaritides* STURM 1818

1 (***scaritides (Pangus)*** STURM 1818) ----E---I-------Q--------- Qa
= (*anderschi (Pangus)* DUFTSCHMID 1812)
= *steveni (Pangus)* CHAUDOIR 1846 [non DEJEAN 1829]
= (*laticollis (Pangus)* REICHE 1869) [non MANNERHEIM 1825]

Genus ***Acinopus*** DEJEAN 1821

Type species: *Carabu megacephalus* ILLIGER 1802 [= *A.picipes* OLIVIER 1795]

Subgenus ***Acinopus*** DEJEAN 1821

Type species: *Carabus megacepahlus* ILLIGER 1802 [= *A.picipes* OLIVIER 1795]

1 ***laevigatus (Acinopus)*** MÉNÉTRIÉS 1832 ---DEFG-I------PQRS------- Pa
= *nitidus (Acinopus)* FALDERMANN 1935
= *eurycephalus (Acinopus)* CHAUDOIR 1842
= *clypeatus (Acinopus)* FISCHER von WALDHEIM 1844
= *rufitarsis (Acinopus)* FISCHER von WALDHEIM 1844
= *novorossicus (Acinopus)* SEMENOV 1899
= *degener (Acinopus)* SEMENOV 1899

2 (***picipes (Acinopus)*** OLIVIER 1795) ----E---I------P---------- Pa
= (*megacephalus (Acinopus)* ILLIGER 1802) [non ROSSI 1794]
= (*tenebrioides (Acinopus)* DUFTSCHMID 1812)
= (*pasticus (Acinopus)* GERMAR 1817)
= *minutus (Acinopus)* BRULLÉ 1836
= *emarginatus (Acinopus)* CHAUDOIR 1842
= *mniszechi (Acinopus)* PIOCHARD de la BR¯LERIE 1873

Subgenus ***Haplacinopus*** SEMENOV 1899

Type species: *Acinopus striolatus* ZOUBKOFF 1833

3 ***striolatus (Acinopus)*** ZOUBKOFF 1833 --------I------P---------- Pabce

Subgenus ***Osimus*** MOTSCHULSKY 1850

Type species: *Acinopus ammophilus* DEJEAN 1829

4 ***ammophilus (Acinopus)*** DEJEAN 1829 ---DEFG-I------PQ--------- ?G Pb
= *grandis (Acinopus)* FALDERMANN 1835
= *spinipes (Acinopus)* FISCHER von WALDHEIM 1844

Subgenus ***Oedematicus*** BEDEL 1897

Type species: *Acinopus megacephalus* ROSSI 1794

5 (***megacephalus (Acinopus)*** ROSSI 1794) ----------PQ--------- Pa incl. S Daghestan; Qab
= *bucephalus (Acinopus)* DEJEAN 1829
= *rotundicollis (Acinopus)* CARRETT 1898
f. *impunctata (Acinopus megacephalus, f.)* SCHAUBERGER 1931
f. *unipunctata (Acinopus megacephalus, f.)* SCHAUBERGER 1931
var. *seriepunctatus (Acinopus megacephalus, var.)* SCHAUBERGER 1932

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457 The present opinion is based on a restudy of the types of *Neopangus diversopunctatus* Sols. and *N. heterostichtus* Tschit. (both in ZISP) as compared to specimens from various localities in the western Tian-Shan and western spurs of the Zeravshan-Hissar Mt. System. The borderline between the subspecies lies along the Zeravshansky Mt. Range (B. Kataev) .

458 Unlike *Microderes*, the genus *Pangus* is characterized by the deeply concave anterior margin of the labrum, lateral edges of the incisure at the anterior margin of the mentum enlarged anteriorly, 4-6 spines at the apex of an apicoventral tubercle on the protibia, and flat terminal lamella of the aedeagus without apical capitulum. In the male, the 1st segment of the mesotarsi lacks an adhesive vestiture (B. Kataev) .

Genus ***Bleusea*** BEDEL 1896

Type species: *Bleusea deserticola* BEDEL 1896

1 ***ammophila (Bleusea)*** TSCHITSCHÉRINE 1898[459] ----------P---------- Pbde

Genus ***Ophonus*** DEJEAN 1821[460]

Type species: *Carabus sabulicola* PANZER 1796

Subgenus ***Brachyophonus*** SCIAKY 1987

Type species: *Harpalus krueperi* APFELBECK 1904
= *Graecophonus* SCHAUBERGER [461]

1 (***krueperi (Ophonus)*** APFELBECK 1904) [462] ----E---------- ? Crimea
= *apterus (Ophonus)* sensu J.MÜLLER 1925 [non APFELBECK 1904]

Subgenus ***Metophonus*** BEDEL 1897

Type species: *Harpalus syriacus* DEJEAN 1829

2 ***nitidulus (Ophonus)*** STEPHENS 1828 -BCDEFGHI----NO--R-T------ Tbd
= (*punctatulus (Ophonus)* DUFTSCHMID 1812) [non FABRICIUS 1792]
= (*laticollis (Ophonus)* DEJEAN 1829)
= *griseoides (Ophonus)* REITTER 1900
3 (***gammeli (Ophonus)*** SCHAUBERGER 1933) ---DEFG---------- DabGc ?E
4 (***cordatus (Ophonus)*** DUFTSCHMID 1812) A--DEFG-I-----OPQR-T------ ?R Tb
= (*antonowi (Ophonus)* TSCHITSCHÉRINE 1901) **Syn. nov.**[463]
= (*cordatoides (Ophonus)* SCHAUBERGER 1926)
= (*sevastopolitanus (Ophonus)* SCHAUBERGER 1926)
= (*iberiae (Ophonus)* SCHAUBERGER 1929)
5 ***transversus (Ophonus)*** MOTSCHULSKY 1844 ---DE---------O----------
6 (***stricticollis (Ophonus)*** TSCHITSCHÉRINE 1893) ----------V--Y- VcYad
= *nikolskyi (Ophonus)* JEDLIªKA 1932
7 ***hystrix (Ophonus)*** REITTER 1900 ----------V---- Vcd
8 (***rupicola (Ophonus)*** STURM 1818) A-CDEFGHI----------
= *zigzag (Ophonus)* COSTA 1882
9 (***scharifi (Ophonus)*** MORVAN 1977) -------H---------- Hc: Dzhverzh
= *abalisensis (Ophonus)* MORVAN 1977
10 (***puncticollis (Ophonus)*** PAYKULL 1798) -BCDEFGHI----NO----TU-----
= (*meridianus (Ophonus)* SCHAUBERGER 1926) [non ANDREWES 1923]
= (*trentinus (Ophonus)* CSIKI 1932)
11 (***cordicollis (Ophonus)*** DEJEAN 1829) ----E----------
= (*veluchianus (Ophonus)* J.MÜLLER 1931)
12 (***puncticeps (Ophonus)*** STEPHENS 1828) ---DEFGHI----------
= (*angusticollis (Ophonus)* P.MÜLLER 1821)
= *rectangulus (Ophonus)* sensu SHARP 1912 [non THOMPSON 1870]
= *rectangulus (Ophonus)* sensu BRIEL 1964 [non THOMPSON 1870]
= (*orientis (Ophonus)* SCHAUBERGER 1926)
13 ***schaubergerianus (Ophonus)*** PUEL 1937 ---D---------- Da
= *brevicollis (Ophonus)* auct. [non SERVILLE 1821]
= *rufibarbis (Ophonus)* sensu L.REDTENBACHER 1858 [non FABRICIUS 1792]
14 (***rufibarbis (Ophonus)*** FABRICIUS 1792) ABCDEFGHI----NO-QRS-------
= (*seladon (Ophonus)* SCHAUBERGER 1926)
= *subpunctatus (Ophonus)* STEPHENS 1828
= *brevicollis (Ophonus)* auct. [non SERVILLE 1821]
= *parcepunctatus (Ophonus)* REITTER 1902
= (*imitans (Ophonus)* SCHAUBERGER 1926)
= (*antoineianus (Ophonus)* SCHAUBERGER 1926)
15 (***melletii (Ophonus)*** HEER 1837) -BCDEFGHIJ------Q--------- Be
= *rectangulus (Ophonus melletii, syn.)* THOMSON 1870
= *rupicoloides (Ophonus melletii, syn.)* SHARP 1912
= *championi (Ophonus melletii, syn.)* SHARP 1912
= *schaubergerianus (Ophonus melletii, syn.)* sensu JEANNEL 1942 [non PUEL 1937]
= *brevicollis (Ophonus melletii, syn.)* sensu JEANNEL 1942 [non SERVILLE 1821]
16 ***subsinuatus (Ophonus)*** REY 1886 A--D---------- AbDa
= (*catharinae (Ophonus)* SCHAUBERGER 1933)
= (*volaki (Ophonus)* KULT 1944)
17 (***parallelus (Ophonus)*** DEJEAN 1829) ----E-G---------- Ga
= *melleti (Ophonus)* sensu SCHAUBERGER 1926 [non HEER 1837]
= *zigzag (Ophonus)* sensu SCHAUBERGER 1926 [non COSTA 1882]
= (*apfelbecki (Ophonus)* SCHAUBERGER 1926)
= (*pseudoparallelus (Ophonus)* SCHAUBERGER 1926)
= *medieuropaeus (Ophonus)* SCHWEIGER 1983
= *clientulus (Ophonus)* SCHWEIGER 1983
18 ***gabrieleae (Ophonus)*** WRASE 1987[464] ----------P---------- ?Pa
19 ***sciakyi (Ophonus)*** WRASE 1990 -----FG-IJ------Q--------- FbGcQac
20 ***dissors (Ophonus)*** TSCHITSCHÉRINE 1895 ----------O--R-T------ Tad
= *kamenskii (Ophonus)* K.ARNOLDI [nom. nud.]

Subgenus ***Hesperophonus*** ANTOINE 1959

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459 Described from Turkmenistan, this species is perhaps identical to *Bleusea deserticola* Bedel, the latter taxon originally described from Algeria (B. Kataev) .

460 The genus *Ophonus* in our sense unites the species with the following combination of characters: paraglossae glabrous, frontal foveae small, incisure of the mentum with anteriorly broadened lateral edges, metacoxae with posterolateral pores, basal segments of the labial palpi with a distinct oblique carina, aedeagus with the apical opening on the left side, and body more or less strongly pubescent (B. Kataev) .

461 Sciaky (1987) referred to that name solely on the basis of a label in the Schauberger Collection (B. Kataev) .

462 This species is reliably known from Albania and Greece, hence its occurrence in the Crimea appears highly doubtful (B. Kataev) .

463 *Pentophonus antonowi* Tschit. has been described from 2" originating from the central Kopetdagh (Germab) . As revealed by their restudy (both in ZISP) and their comparison with additional topotypical material, both actually belong to the poorly delimited geographical form of the widespread *Ophonus cordatus* Dej., which was treated by Schauberger (1926) as the subspecies *cordatoides* Schaub., but not to *Pentophonus* (B. Kataev) .

464 Distributed in the E of the Balkan Peninsula and western Asia Minor, it has been recorded in the Caucasus: Baku (Sciaky, 1987) . Yet this record may appear to actually concern *O. sciakyi* Wrase, a species later described from Iran. By habitus, the latter taxon is similar to *O. gabrielae* Wrase and is quite common in the E of the Caucasus (B. Kataev) .

Type species: *Harpalus rotundatus* DEJEAN 1829

21 (***similis (Ophonus)*** DEJEAN 1829) ----E---I---------- ? Moldova
= *violaceus (Ophonus)* REICHE et SAULCY 1855 [non PETRI 1830]
= *episcopalis (Ophonus)* REICHE et MARSEUL 1863
= *pseudoazureus (Ophonus)* REITTER 1900
= (*pseudokrueperi (Ophonus)* SCHAUBERGER 1933)
= *krueperi (Ophonus)* sensu SCHAUBERGER 1926 [non APFELBECK 1904]
22 (***jailensis (Ophonus)*** SCHAUBERGER 1926) ----EF-------------------- Fa: Taman
23 (***azureus (Ophonus)*** FABRICIUS 1775) ABCDEFGHI----NOPQR-------- ?Q
= *ruficrus (Ophonus)* MÉNÉTRIÉS 1832
= *atrocyaneus (Ophonus)* CHAUDOIR 1842
= *agnatus (Ophonus)* CHAUDOIR 1846
= *cyaneus (Ophonus)* BALLION 1878
= *apterus (Ophonus)* BEDEL 1899
= (*bohemicus (Ophonus)* ROUBAL 1917)
= (*albarracinus (Ophonus)* H.WAGNER 1926)
= *similis (Ophonus azureus, syn.)* sensu SCHAUBERGER 1927 [non DEJEAN 1929]
= (*supremus (Ophonus azureus, syn.)* SCHAUBERGER 1927)
= (*grottagliensis (Ophonus azureus, syn.)* SCHAUBERGER 1927)
= (*koniensis (Ophonus azureus, syn.)* SCHAUBERGER 1927)
= *oberthuri (Ophonus azureus, syn.)* PATER 1938
= *gallicus (Ophonus)* PATER 1938
24 ***minimus (Ophonus)*** MOTSCHULSKY 1845 ---D-FG-I-----O----T------ Gc; T: extreme west
= *amoenulus (Ophonus)* REITTER 1900
25 ***chlorizans (Ophonus)*** SOLSKY 1874 --------------O--RS------- O: central and eastern parts
= (*hissariensis (Ophonus)* LUTSHNIK 1922)
26 (***rebellus (Ophonus)*** SCHAUBERGER 1926) ----------------Q--------- Qab: Chatly, Chandyr, Khosardag, Tagarevo
27 (***subquadratus (Ophonus)*** DEJEAN 1892) ---DEFGHI-------Q---------
= (*meridionalis (Ophonus)* DEJEAN 1829)
28 ***convexicollis (Ophonus)*** MÉNÉTRIÉS 1832 ---DE---I-------QR--------
= *annulatus (Ophonus)* CHAUDOIR 1837
= *pleuralis (Ophonus)* REITTER 1887
= (*mendax (Ophonus)* SCHAUBERGER 1926) [non ROSSI 1790]
= *schaubergeri (Ophonus)* CSIKI 1932
= *convexicollis korbi (Ophonus)* SCHAUBERGER 1933
? (*melaenus (Ophonus)* LUTSHNIK 1922) **465**
29 ***cribricollis (Ophonus)*** DEJEAN 1829 ---DE-G-I----------------- DaGc ?R
= (*crassiusculus (Ophonus)* FAIRMAIRE et LABOULBÉNE 1854)
= (*fauveli (Ophonus)* MATHAN 1862)
= (*ciliciensis (Ophonus)* SCHAUBERGER 1927)
ssp. (***clandestinus (Ophonus cribricollis, ssp.)*** SCHAUBERGER 1927) **466** described from Wernyi (=Almaty)

Subgenus ***Ophonus*** DEJEAN 1821

Type species: *Harpalus sabulicola* PANZER 1796

30 ***stictus (Ophonus)*** STEPHENS 1828 -BCDEFG-I----NO--R-T------ BcTb
= (*obscurus (Ophonus)* FABRICIUS 1792) [non HERBST 1784]
= (*monticola (Ophonus)* DEJEAN 1829)
31 (***ardosiacus (Ophonus)*** LUTSHNIK 1922) ----EFG-------------------
= *obscurus (Ophonus)* sensu DEJEAN 1829 [non FABRICIUS 1792]
= (*rotundicollis (Ophonus)* FAIRMAIRE et LABOULBÉNE 1854) [non KOLENATI 1845]
= (*quadricollis (Ophonus)* SCHAUBERGER 1926) [non DEJEAN 1831]
= (*pseudoquadricollis (Ophonus)* SCHAUBERGER 1932)
= *wautieri (Ophonus)* DAVID et MARCHAL 1964
= *ardosianus (Ophonus)* auct. [nom. err.]
= *stictus (Ophonus)* sensu FREUDE 1974 [non STEPHENS 1828]
32 (***diffinis (Ophonus)*** DEJEAN 1829) ---DEFG-I-----------------
= (*adanensis (Ophonus)* SCHAUBERGER 1933)
33 (***sabulicola (Ophonus)*** PANZER 1796) A--DEFGHI-----------------
= *coelestinus (Ophonus)* MOTSCHULSKY 1850
= (*ponticus (Ophonus)* SCHAUBERGER 1926)
= (*sarmatus (Ophonus)* SCHAUBERGER 1933)

Subgenus ***Macrophonus*** TSCHITSCHÉRINE 1901

Type species: *Harpalus oblongus* SCHAUM 1858

34 (***oblongus (Ophonus)*** SCHAUM 1858) --------I-----------------
= (*langloisi (Ophonus)* PEYRON 1858)
= (*carteroides (Ophonus)* ZURCHER 1911) [non FAIRMAIRE 1868]
= (*cilicicus (Ophonus)* CSIKI 1932)

incertae sedis

35 ***picicornis (Ophonus)*** FALDERMANN 1836 described from Transcaucasia as *Ophonus*
36 ***obscuripes (Ophonus)*** MOTSCHULSKY 1950 Crimea

Genus ***Penthophonus*** REITTER 1900

Type species: *Penthus peyroni* PIOCHARD de la BR¯LERIE 1877

1 (***glasunovi (Penthophonus)*** TSCHITSCHÉRINE 1898) ----------------Q--------- ?Q; loc. typ.: Amarat in N Iran

Subtribe *DITOMINA*

Genus ***Penthus*** CHAUDOIR 1843

Type species: *Penthus tenebricosus* CHAUDOIR 1843 [= *P.tenebrioides* WALTL 1838]

1 (***tenebrioides (Penthus)*** WALTL 1838) ----E---I------PQ--------- PaQa
= *tenebricosus (Penthus)* CHAUDOIR 1843
= *brevicollis (Penthus)* REITTER 1884

Genus ***Liochirus*** TSCHITSCHÉRINE 1897

465 Described from Firyuza, Kopetdagh Mts, the type has not been located. Perhaps a synonym of *O. convexicollis* Mén. (B. Kataev) .

466 Apparently, a synonym of *O. chlorizans* Sols., a species resembling *O. cribricollis* Dej. in habitus, because, according to our data, the latter taxon is absent from Middle Asia. At the same time, the characters mentioned by Schauberger appear to coincide with the features distinguishing *O. chlorizans* (B. Kataev)

Type species: *Ophonus cycloderus* SOLSKY 1874

2 (***cycloderus (Liochirus)*** SOLSKY 1874) ----------PQRS------- PbcdRe

Genus ***Graniger*** MOTSCHULSKY 1864

Type species: *Graniger algirinus* MOTSCHULSKY 1864 [= *G.femoralis* COQUEREL 1858]

= *Carterophonus* GANGLBAUER 1890

Type species: *Harpalus cordicollis* SERVILLE 1821 [= *G.femoralis* COQUEREL 1858]

1 (***cordicollis (Graniger)*** SERVILLE 1821) --------I---------- Ia
= (*ditomoides (Graniger)* DEJEAN 1829)
= (*dermatodes (Graniger)* FAIRMAIRE 1868)
= (*promissus (Graniger)* REICHE 1869)
2 (***femoralis (Graniger)*** COQUEREL 1858) ----E---------- E: only one record from Kikineiz [=Kastropol]
= (*carteroides (Graniger)* FAIRMAIRE 1868)
= (*olcesei (Graniger)* FAIRMAIRE 1871)

Genus ***Eucarterus*** REITTER 1900

Type species: *Eriotomus sparsutus* REITTER 1898

1 (***sparsutus (Eucarterus)*** REITTER 1898) ----E---I----------

Genus ***Oedesis*** MOTSCHULSKY 1850

Type species: *Ditomus caucasicus* DEJEAN 1831

= *Eriotomus* PIOCHARD de la BR¯LERIE 1873

Type species: *Ditomus tomentosus* DEJEAN 1831

= *Eriocypas* TSCHITSCHÉRINE 1901

Type species: *Ditomus caucasicus* DEJEAN 1831

1 (***caucasicus (Oedesis)*** DEJEAN 1831) ----EF--I-------Q-S-------

Genus ***Carterus*** DEJEAN 1829

Type species: *Carterus interceptus* DEJEAN 1829

= *Distomus* STEPHENS 1827

Type species: *Distomus leachi* STEPHENS 1827 [= *C.fulvipes* LATREILLE 1817]

= *Odogenius* SOLIER 1835

Type species: *Aristus fulvipes* LATREILLE 1817

Subgenus ***Carterus*** DEJEAN 1829

Type species: *Carterus interceptus* DEJEAN 1829

1 (***fulvipes (Carterus)*** LATREILLE 1817) ----E---------- ?E
= (*pilosus (Carterus)* DEJEAN 1825)
2 ***gilvipes (Carterus)*** PIOCHARD de la BR¯LERIE 1873 --------I---------- ?I
= *debilis (Carterus)* ANTOINE 1959
3 ***rufipes (Carterus)*** CHAUDOIR 1843 --------I----------
4 (***dama (Carterus)*** ROSSI 1792) ----EF----------
= *siagonoides (Carterus)* BRULLÉ 1832
= *barbarus (Carterus)* SOLIER 1834
= *anatolicus (Carterus)* JEDLIªKA 1962

Subgenus ***Pristocarterus*** WRASE 1994

Type species: *Carterus angustus* MÉNÉTRIÉS 1832

5 ***angustus (Carterus)*** MÉNÉTRIÉS 1832 -----FG-I-------Q--------- Gc
= *longipennis (Carterus)* CHAUDOIR 1846
6 ***angustipennis (Carterus)*** CHAUDOIR 1852
= *ignoratus (Carterus)* STICHEL 1923
ssp. ***lutshniki (Carterus angustipennis, ssp.)*** ZAMOTAILOV 1988 ----EF----------

Genus ***Tschitscherinellus*** CSIKI 1906

Type species: *Ditomus cordatus* DEJEAN 1825

1 (***cordatus (Tschitscherinellus)*** DEJEAN 1825) ----E----------
= (*distinctus (Tschitscherinellus)* DEJEAN et BOISDUVAL 1829)
2 (***oxygonus (Tschitscherinellus)*** CHAUDOIR 1850) --------I---------- Iab

Genus ***Ditomus*** BONELLI 1810

Type species: *Scarites calydonius* ROSSI 1790

= *Aristus* LATREILLE 1816

Type species: *Scarites calydonius* ROSSI 1790

= *Sabienus* DES GOZIS 1882

Type species: *Scarites calydonius* ROSSI 1790

= *Euditomus* ACLOQUE 1896

Type species: *Scarites calydonius* ROSSI 1790

1 (***calydonius (Ditomus)*** ROSSI 1790) ---DEFG-I-----OPQRS------- Dc
ssp. (***calydonius (Ditomus calydonius, ssp.)*** ROSSI 1790) ---DEFG----------
= *cornutus (Ditomus calydonius, syn.)* MÉNÉTRIÉS 1832
ssp. ***oriens (Ditomus calydonius, ssp.)*** DVO¿´K 1993 --------I-----OPQRS-------
2 (***tricuspidatus (Ditomus)*** FABRICIUS 1792) ---DEF---------- Dc
= (*longicornis (Ditomus)* FABRICIUS 1792)
= *calidonius (Ditomus)* sensu GERMAR 1817 [non ROSSI 1790]
= *cornutus (Ditomus)* DEJEAN 1825
= *frioli (Ditomus)* SOLIER 1834
= *spinicollis (Ditomus)* CHAUDOIR 1843

Genus ***Dixus*** BILLBERG 1820

= *Ditomus* auct. non BONELLI 1810

Type species: *Scarites bucephalus* OLIVIER 1795 [= *D.clypeatus* ROSSI 1790]

= *Gonoxyaristus* STICHEL 1923

Type species: *Aristus capito* SERVILLE 1821

1 (***clypeatus (Dixus)*** ROSSI 1790) ---D---------- Da
= (*bucephalus (Dixus)* OLIVIER 1795)
= (*sulcatus (Dixus)* FABRICIUS 1792)
2 (***eremita (Dixus)*** DEJEAN 1825) ---DEFG-I-------QRS-------

= (*nitidulus (Dixus)* DEJEAN 1825)
= (*talpa (Dixus)* L.REDTENBACHER 1850)
= (*perforatus (Dixus)* REICHE 1855)
3 (***obscurus (Dixus)*** DEJEAN 1825) ----EFG-I---------- Gc
4 ***semicylindricus (Dixus)*** PIOCHARD de la BR¯LERIE 1872 --------I-----O--RS-------
= *tenuesculptus (Dixus)* SOLSKY 1874
var. (*lucidus (Dixus semicylindricus, var.)* REITTER 1900)
= *semicyaneus (Dixus)* JACOBSON 1907 [incorr. emend.]
var. (*persianus (Dixus semicylindricus, var.)* STICHEL 1923)
var. (*dzhungaricus (Dixus semicylindricus, var.)* STICHEL 1923)
? (*orientalissimus (Dixus)* STICHEL 1923)

Genus ***Proditomus*** SCHAUBERGER 1934

Type species: *Proditomus mirus* SCHAUBERGER 1934

1 ***mirus (Proditomus)*** SCHAUBERGER 1934 ? Turkestan

Genus ***Eocarterus*** STICHEL 1923

Type species: *Ditomus chodshenticus* BALLION 1871

= *Apterocarterus* STICHEL 1923

Type species: *Sabienus esau* HEYDEN 1885

1 (***chodshenticus (Eocarterus)*** BALLION 1871) ----------S------- Sce
ssp. (***chodshenticus (Eocarterus chodshenticus, ssp.)*** BALLION 1871) ----------S------- Sc: Zeravshansky, Turkestansky & Hissarsky Mt.r.
2 (***esau (Eocarterus)*** HEYDEN 1885) ----------R-------- Re
ssp. (***esau (Eocarterus esau, ssp.)*** HEYDEN 1885) ----------R-------- Talassky, Atoinoksky & Kumbel Mt.r.
3 (***propagator (Eocarterus)*** REITTER 1901) ----------S------- Sed: Tajiikistan, S of Hissarsky Mt.R.
4 (***semenovi (Eocarterus)*** REITTER 1853) ----------R-------- Re: Ugamsky, Pskemsky, Karzhantau Mt.r.
5 (***usgentensis (Eocarterus)*** HEYDEN 1884) ----------R-------- Re: Fergansky Mt.R.

Genus ***Bronislavia*** SEMENOV 1891

Type species: *Bronislavia robusta* SEMENOV 1891

1 ***kryzhanovskii (Bronislavia)*** MICHAILOV 1970 ----------S------- Sd: Khozratishoh Mt.R.
2 ***lopatini (Bronislavia)*** MICHAILOV 1970 ----------S------- Sd: Peter-the-Great Mt.R.
3 ***robusta (Bronislavia)*** SEMENOV 1891 ----------S------- Sd: Darvazsky Mt.R.

Genus ***Carenochyrus*** SOLSKY 1874

Type species: *Carenochyrus titanus* SOLSKY 1874

1 ***titanus (Carenochyrus)*** SOLSKY 1874 ----------PQRS------- Pcd
= *rugifrons (Carenochyrus)* REITTER 1889

Genus ***Machozethus*** CHAUDOIR 1850

Type species: *Harpactes lehmani* MÉNÉTRIÉS 1849

= *Harpactes* MÉNÉTRIÉS 1849

Type species: *Harpactes lehmani* MÉNÉTRIÉS 1849

= *Dioctes* MÉNÉTRIÉS 1849

Type species: *Harpactes lehmani* MÉNÉTRIÉS 1849

1 ***concinnus (Machozethus)*** DOHRN 1885 ----------PQ--------- Pe
2 (***lehmanni (Machozethus)*** MÉNÉTRIÉS 1849) ----------PQ-S------- PeSe

Genus ***Chilotomus*** CHAUDOIR 1842

Type species: *Ditomus chalybaeus* FALDERMANN 1835

= *Chlochilus* MOTSCHULSKY 1850

Type species: *Ditomus chalybaeus* FALDERMANN 1835

1 ***arnoldii (Chilotomus)*** KRYZHANOVSKIJ 1962 --------I---------- Ic
2 (***chalybaeus (Chilotomus)*** FALDERMANN 1835) ----------Q---------
var. *atavus (Chilotomus chalybaeus, var.)* SCHAUBERGER 1931 Arwas, Transkaspien
3 ***kuhitangi (Chilotomus)*** KRYZHANOVSKIJ 1962 ----------S------- Se
4 ***margianus (Chilotomus)*** KRYZHANOVSKIJ 1962 ----------Q--------- Qd
5 ***tschitscherini (Chilotomus)*** SEMENOV 1903 ----------S-------
6 ***usgentensis (Chilotomus)*** SCHAUBERGER 1931 ----------R-------- R: Fergansky Mt.R.
7 ***violaceus (Chilotomus)*** KRYZHANOVSKIJ et MICHAILOV 1971 ----------R-------- Rb: Karatau Mt.R.

Subtribe *AMBLYSTOMINA*

Genus ***Amblystomus*** ERICHSON 1837

Type species: *Acupalpus mauritanicus* DEJEAN 1829

= *Hispalis* RAMBUR 1838

Type species: *Acupalpus mauritanicus* DEJEAN 1829

= *Artizoum* GISTEL 1857

Type species: *Trechus convexus* MACLEAY 1825

= *Megaristerus* NIETNER 1858

Type species: *Megaristerus indicus* NIETNER 1858

= *Notophilus* BLACKBURN 1888

Type species: *Notophilus gracilis* BLACKBURN 1888

= *Thenarotidius* SLOANE 1893

Type species: *Bembidium gagatinus* MACLEAY 1825

= *Psilonothus* SLOANE 1899

Type species: *Psilonothus ovalis* SLOANE 1899

= *Entomorrhinus* JEANNEL 1948

Type species: *Amblystomus orpheus* la FERTÉ-SÉNECTAIRE 1853

1 ***escorialensis (Amblystomus)*** GAUTIER 1866 ? Middle Asia
2 ***levantinus (Amblystomus)*** REITTER 1883 --------I------PQ--------- Pae
3 (***metallescens (Amblystomus)*** DEJEAN 1829) ---DEF--IJ----O-QRS-------
= *dilatatus (Amblystomus)* CHAUDOIR 1846
= *majoricensis (Amblystomus)* SCHAUFUSS 1882

4 ***niger (Amblystomus)*** HEER 1838 --------I---------- ? I

Supertribe *PERIGONITAE*

Tribe *PERIGONINI*

Genus ***Perigona*** CASTELNAU 1835
Type species: *Perigona pallida* CASTELNAU 1835

Subgenus ***Trechicus*** LECONTE 1853
Type species: *Trechicus umbripennis* LECONTE 1853

= *Extromus* PÉRINGUEY 1896
Type species: *Extromus pusillus* PÉRINGUEY 1896 [= *P.nigriceps* DEJEAN 1831]

1 (***nigriceps (Perigona)*** DEJEAN 1831) ---D----------
= *umbripennis (Perigona)* LECONTE 1853
= *pallidipennis (Perigona)* LECONTE 1853
= (*fimicola (Perigona)* WOLLASTON 1854)
= (*jansoniana (Perigona)* WOLLASTON 1858)
= (*atriceps (Perigona)* FAIRMAIRE 1869)
= (*discalis (Perigona)* CHAUDOIR 1876)
= *zanzibarica (Perigona)* CHAUDOIR 1878
= (*pusillus (Perigona)* PÉRINGUEY 1896)

Supertribe *PANAGAEITAE*

Tribe *PANAGAEINI*

Genus ***Panagaeus*** LATREILLE 1802
Type species: *Carabus cruxmajor* LINNAEUS 1758

1 (***bipustulatus (Panagaeus)*** FABRICIUS 1775) ABCD-F----------
= *quadripustulatus (Panagaeus)* STURM 1815
2 (***cruxmajor (Panagaeus)*** LINNAEUS 1758) ABCDEF-------N-----TU----- Uc
= (*nobilis (Panagaeus)* GMELIN 1790)
= (*equestris (Panagaeus)* FOURCROY 1785)
= *crux (Panagaeus)* GYLLLENHAL 1810
= *vicinus (Panagaeus)* GORY 1833
= *elongatus (Panagaeus)* CHAUDOIR 1842
3 ***relictus (Panagaeus)*** SEMENOV et BOGACHOV 1938 ----------P-RS-------
4 ***japonicus (Panagaeus)*** CHAUDOIR 1861 ----------Y-
= *rubripes (Panagaeus)* A.MORAWITZ 1862
5 ***robustus (Panagaeus)*** A.MORAWITZ 1862 ----------Y-

Genus ***Tinoderus*** CHAUDOIR 1878
Type species: *Panagaeus singularis* H.BATES 1873

1 (***singularis (Tinoderus)*** H.BATES 1873) ----------Y-

Genus ***Peronomerus*** SCHAUM 1853
Type species: *Peronomerus fumatus* SCHAUM 1853

2 ***auripilis (Peronomerus)*** H.BATES 1883 ----------Y-

Supertribe *CALLISTITAE*

Tribe *CALLISTINI*

Genus ***Callistus*** BONELLI 1809
Type species: *Carabus lunatus* FABRICIUS 1775

1 (***lunatus (Callistus)*** FABRICIUS 1775) A-CDEFGHI-----OP-R-TU----- Uc
= (*cruxminor (Callistus)* SULZER 1776)
= (*eques (Callistus)* SCHRANK 1781)
= (*plateosus (Callistus)* FOURCROY 1785)
= (*sulzeri (Callistus)* BRAHM 1790)

Genus ***Eochlaenius*** SEMENOV 1912
Type species: *Eochlaenius suvorovi* SEMENOV 1912

1 ***suvorovi (Eochlaenius)*** SEMENOV 1912 ----------Y-
= *pegodi (Eochlaenius)* JEDLIᵃKA 1937

Genus ***Epomis*** (***Epomis*** BONELLI 1810)
Type species: *Carabus cinctus* ROSSI 1790 [= *E.circumscriptus* DUFTSCHMID 1812]

1 ***dejeani (Epomis)*** DEJEAN et BOISDUVAL 1830 ---DEF----------
= *armeniacus (Epomis)* MOTSCHULSKY 1864
2 (***circumscriptus (Epomis)*** DUFTSCHMID 1812)
ssp. ***karelini (Epomis circumscriptus, ssp.)*** MANNERHEIM 1844 ---D-F--I------PQ-S-------
= (*cinctus (Epomis circumscriptus, syn.)* ROSSI 1790)
= *cicatricosus (Epomis circumscriptus, syn.)* MOTSCHULSKY 1864
= *turcmenicus (Epomis circumscriptus, syn.)* MOTSCHULSKY 1864

Genus ***Dinodes*** (***Dinodes*** BONELLI 1810)
Type species: *Carabus azureus* DUFTSCHMID 1812 [= *H.decipiens* DUFOUR 1820]

= *Glyptoderus* auct.

= *Paradinodes* APFELBECK 1904
Type species: *Dinodes viridis* MÉNÉTRIÉS 1832

1 ***cruralis (Dinodes)*** FISCHER von WALDHEIM 1892 ----EFG-I------P----------
= *angusticollis (Dinodes)* CHAUDOIR 1842
= *karelini (Dinodes)* CHAUDOIR 1842
= *persicus (Dinodes)* la FERTÉ-SÉNECTAIRE 1851
2 (***decipiens (Dinodes)*** DUFOUR 1820) A--DEFGHI----------------
= *azureus (Dinodes)* DUFTSCHMID 1812
= *rufipes (Dinodes)* DEJEAN 1826
= *laticollis (Dinodes)* CHAUDOIR 1843
? *ambiguus (Dinodes decipiens, syn.)* CSIKI 1931
3 ***viridis (Dinodes)*** MÉNÉTRIÉS 1832 --------I------P----------

Genus ***Chlaenius*** BONELLI 1810
Type species: *Carabus marginalis* ROSSI 1790

Subgenus ***Lissauchenius*** MACLEAY 1825
Type species: *Lissauchlaenius rufifemoratus* MACLEAY 1825

= *Ilaenchus* LUTSHNIK 1933
Type species: *Chlaenius posticalis* MOTSCHULSKY 1853

1 ***posticalis (Chlaenius)*** MOTSCHULSKY 1853 ----------------------Y-
= *hospes (Chlaenius)* A.MORAWITZ 1862

Subgenus ***Stenochlaenius*** REITTER 1908
Type species: *Chlaenius coeruleus* STEVEN 1809

= *Turanochlaenius* LUTSHNIK 1933
Type species: *Chlaenius semicyaneus* SOLSKY 1874

2 (***coeruleus (Chlaenius)*** STEVEN 1809) -----FGH------------------
= *leitzingeri (Chlaenius)* LUTSHNIK 1921
3 ***dostojevskii (Chlaenius)*** TSCHITSCHÉRINE 1895 ------------------S-------
4 ***lederi (Chlaenius)*** REITTER 1888 --------I------P----------
5 ***semicyaneus (Chlaenius)*** SOLSKY 1874 ----------------RS------- RedS

Subgenus ***Trichochlaenius*** SEIDLITZ 1887
Type species: *Carabus chrysocephalus* ROSSI 1790

6 ***aeneocephalus (Chlaenius)*** DEJEAN 1826 ---DEFG-I------P----------
= *gpacilis (Chlaenius)* DEJEAN 1831
= *auriceps (Chlaenius)* CHAUDOIR 1847
7 (***steveni (Chlaenius)*** QUENSEL 1806) ---D----------OP----------
8 ***gotschi (Chlaenius)*** CHAUDOIR 1846 --------I----------------
= *angustatus (Chlaenius)* FISCHER von WALDHEIM 1844 [non DEJEAN 1831]
= *angusticollis (Chlaenius)* MANNERHEIM 1844 [non CHAUDOIR 1843]

Subgenus ***Litochlaenius*** KRYZHANOVSKIJ 1976
Type species: *Chlaenius rambouseki* LUTSHNIK 1933

= *Hemichlaenius* LUTSHNIK 1933
Type species: *Chlaenius rambouseke* LUTSHNIK 1933

9 ***rambouseki (Chlaenius)*** LUTSHNIK 1933 ----------------------Y-

Subgenus ***Chlaenites*** MOTSCHULSKY 1860
Type species: *Chlaenius spoliatus* ROSSI 1790

10 (***spoliatus (Chlaenius)*** ROSSI 1790) ---DEFG-I----NOP-R-T----Y-
ssp. (***spoliatus (Chlaenius spoliatus, ssp.)*** ROSSI 1790) ---DEFG-I----NOP-RST------
= *longipennis (Chlaenius spoliatus, syn.)* MOTSCHULSKY 1864
= *cuprinus (Chlaenius spoliatus, syn.)* SCHILSKY 1888
= *subpurpureus (Chlaenius spoliatus, syn.)* REITTER 1901
ssp. ***motschulskyi (Chlaenius spoliatus, ssp.)*** ANDREWES 1928 ----------------------Y-
11 ***inderiensis (Chlaenius)*** MOTSCHULSKY 1850 ---D----------OP-R--------

Subgenus ***Chlaenius*** (***Chlaenius*** BONELLI 1810)
Type species: *Carabus festivus* PANZER 1796 [= *C.festivus* FABRICIUS 1801]

= *Chaelinus* LUTSHNIK 1933
Type species: *Carabus festivus* PANZER 1796

= *Chinelaus* LUTSHNIK 1933
Type species: *Chlaenius pallipes* GEBLER 1823

= *Laenichus* LUTSHNIK 1933
Type species: *Chlaenius dimidiatus* CHAUDOIR 1842

12 (***festivus (Chlaenius)*** PANZER 1796) ---DEFGHI------P-RS-------
= (*zonatus (Chlaenius)* PANZER 1796)
= *fischeri (Chlaenius)* KRYNICKI 1829
= *tenuistriatus (Chlaenius)* KRYNICKI 1832
= *caspicus (Chlaenius festivus, syn.)* MOTSCHULSKY 1850
var. *vexator (Chlaenius festivus, var.)* REITTER 1890
? *talasensis (Chlaenius)* GRUNDMANN 1956 ----------------R-------- loc.typ: Talas valley
13 (***velutinus (Chlaenius)*** DUFTSCHMID 1812) ---D-------------R--------
= (*marginatus (Chlaenius)* ROSSI 1790) [non LINNAEUS 1758]
= *auricollis (Chlaenius)* GÉNE 1839
= *geniculatus (Chlaenius)* MOTSCHULSKY 1864
14 ***dimidiatus (Chlaenius)*** CHAUDOIR 1842 --------I-------Q-S-------
= *palaestinus (Chlaenius)* REICHE 1855
15 ***flavicornis (Chlaenius)*** FISCHER von WALDHEIM 1842 ----------------QRS-------
= *binodulus (Chlaenius)* MOTSCHULSKY 1844
16 ***pallipes (Chlaenius)*** GEBLER 1823 ----------------------V--YZ
= *coerulentus (Chlaenius)* MOTSCHULSKY 1860
17 ***variicornis (Chlaenius)*** A.MORAWITZ 1863 ----------------------Y-

Subgenus ***Chlaeniellus*** REITTER 1908
Type species: *Carabus vestitus* PAYKULL 1790

18 ***athleta (Chlaenius)*** KRYZHANOVSKIJ 1976 ----------------------Y-
19 ***chrysothorax (Chlaenius)*** KRYNICKI 1832 ---DEFG-------O----------

20	(***nitidulus (Chlaenius)*** SCHRANK 1781)	A--D----------
	= (*schranki (Chlaenius)* DUFTSCHMID 1812)	
21	***kindermanni (Chlaenius)*** CHAUDOIR 1856	A-CD----------S-------
22	***tibialis (Chlaenius)*** DEJEAN 1826[467]	-BCD----------
	= *lomnickii (Chlaenius)* sensu KULT 1947 [part.]	
23	***melampus (Chlaenius)*** MÉNÉTRIÉS 1849	----------P-R--------
24	***stschukini (Chlaenius)*** MÉNÉTRIÉS 1836	----------UVW-Y- Ubcd
25	(***nigricornis (Chlaenius)*** FABRICIUS 1787)	ABCD-------LMN-----TU----- Uc
	= *melanocornis (Chlaenius nigricornis, syn.)* DEJEAN 1826	
26	***inops (Chlaenius)*** CHAUDOIR 1856[468]	----------YZ
	= *arcuaticollis (Chlaenius)* MOTSCHULSKY 1860	
27	***tenuilimbatus (Chlaenius)*** BALLION 1870	----------P-RS-------
28	***flavipes (Chlaenius)*** MÉNÉTRIÉS 1832	------G-I------P--S-------
	= *exutus (Chlaenius)* J.FRIVALDSZKY 1845	
	= *persicus (Chlaenius)* L.REDTENBACHER 1850	
29	***terminatus (Chlaenius)*** DEJEAN 1826	---D----------O----------
	= *gratiosus (Chlaenius)* CHAUDOIR 1837	
30	***koenigi (Chlaenius)*** SEMENOV 1888	----------PQ---------
	? *syriacus (Chlaenius)* CHAUDOIR 1876	
31	(***vestitus (Chlaenius)*** PAYKULL 1790)	A-CDEFGHIJ---N--Q--------- N: Salair (Gebler, 1847)
	= (*marginatus (Chlaenius)* LINNAEUS 1767)	
	= (*dubius (Chlaenius)* HOPE 1796)	
	= *aeneus (Chlaenius)* LETZNER 1851	
	= *distinctus (Chlaenius)* CHAUDOIR 1856	
32	***extensus (Chlaenius)*** MANNERHEIM 1825	----------P-RST------ Tabcd
	= *lepidus (Chlaenius)* SEMENOV 1889	
33	(***tristis (Chlaenius)*** SCHALLER 1783)	ABCD-FG-I---MNOP-RSTUV--Y-
	ssp. (***tristis (Chlaenius tristis, ssp.)*** SCHALLER 1783)	ABCD-FG-I---MNOP-RST------
	= (*holosericeus (Chlaenius tristis, syn.)* FABRICIUS 1787)	
	= (*carbonarius (Chlaenius tristis, syn.)* ROSSI 1790)	
	= *anceps (Chlaenius tristis, syn.)* MANNERHEIM 1842	
	ssp. ***reticulatus (Chlaenius tristis, ssp.)*** MOTSCHULSKY 1844	----------TUV--Y-
33	***circumductus (Chlaenius)*** MOTSCHULSKY 1862	----------Y-
34	***insularis (Chlaenius)*** KRYZHANOVSKIJ 1973	----------Z

Subgenus ***Agostenus*** STEVEN 1829

Type species: *Carabus sulcicollis* PAYKULL 1798

= *Agostenops* LUTSHNIK 1933

Type species: *Chlaenius alutaceus* GEBLER 1829

35	***alutaceus (Chlaenius)*** GEBLER 1829	---D-F--I---MNOP---TUV--Y-
	= *pubescens (Chlaenius)* MÉNÉTRIÉS 1832	
	= *cribricollis (Chlaenius)* ZOUBKOFF 1833 [non DEJEAN 1829]	
	= *mandschuricus (Chlaenius)* BREIT 1912	
36	(***quadrisulcatus (Chlaenius)*** PAYKULL 1790)	-BC-------K--------TU---Y-
	= (*sulcicollis (Chlaenius)* PAYKULL 1790) [part.]	
	= (*caelatus (Chlaenius)* F.WEBER 1801)	
37	(***sulcicollis (Chlaenius)*** PAYKULL 1798)	-BCD------K--NO----TUV--Y-
	= *alternans (Chlaenius)* CHAUDOIR 1847	
	? *gebleri (Chlaenius)* CHAUDOIR 1856	

Subgenus ***Pelasmus*** STEVEN 1829

Type species: *Carabus quadrisulcatus* ILLIGER 1798

38	***costulatus (Chlaenius)*** MOTSCHULSKY 1859	-BC-------K--NO----TUV----
	= (*quadrisulcatus (Chlaenius)* ILLIGER 1798) [non PAYKULL 1790]	
	= *illigeri (Chlaenius)* GANGLBAUER 1892	

Tribe *OODINI*

Genus ***Oodes*** BONELLI 1810

Type species: *Carabus helopioides* FABRICIUS 1792

Subgenus ***Oodes*** BONELLI 1810

Type species: *Carabus helopioides* FABRICIUS 1792

1	(***helopioides (Oodes)*** FABRICIUS 1792)	ABCD-FG---K-MNOP---TU----- Uc
2	***gracilis (Oodes)*** A.VILLA et G.B.VILLA 1833	A-CD-FGHI------P----------
	= *similis (Oodes)* CHAUDOIR 1837	
	= *gracilior (Oodes)* LAMBERT 1853	
	= *parallelogrammus (Oodes)* MOTSCHULSKY 1858	
3	***desertus (Oodes)*** MOTSCHULSKY 1858	----------OP-RS-------
	var. *hahni (Oodes desertus, var.)* REITTER 1908	
4	***integer (Oodes)*** SEMENOV 1889	----------Y-

Subgenus ***Lachnocrepis*** LECONTE 1853

Type species: *Oodes parallelus* SAY 1834

5	***japonicus (Oodes)*** H.BATES 1878	----------Y-
6	***prolixus (Oodes)*** H.BATES 1873	---D----------OP--------Y-

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467 It has been confused with *C. nitidulus* and perhaps some other consubgeners. The distribution of this species requires precision (K. Makarov) .

468 Recorded in the mouth of the Amur River in Jacobson's (1905: 314) catalogue, later repeated by Csiki (1931: 980) , but for some reasons omitted in the keys by Lafer (1989) . One specimen of this species has been taken by E. Berlov in southern Sakhalin (River Kamenka, Pozharskoe) , this being the first Sakhalin record (V. Shilenkov) .

Tribe *LICININI*

= *BADISTRIINI*

SUBMERINA [469]

Genus ***Diplocheila*** BRULLÉ 1834 [non DEJEAN 1825]
Type species: *Carabus politus* FABRICIUS 1792
= *Diplochila* auct.
= *Rembus* DEJEAN 1826 [non GERMAR 1824]
Type species: not fixed
= *Rhembus* auct.

Subgenus ***Diplocheila*** BRULLÉ 1834
Type species: *Carabus politus* FABRICIUS 1792

1 ***transcaspica (Diplocheila)*** SEMENOV 1890 ----------PQ---------

Subgenus ***Submera*** HABU 1956
Type species: *Rembus zeelandicus* L.REDTENBACHER 1868

2 (***latifrons (Diplocheila)*** DEJEAN et BOISDUVAL 1830) ----------Y-

LICININA

Genus ***Licinus*** LATREILLE 1802
Type species: *Carabus cassideus* FABRICIUS 1792
= *Scales* FISCHER von WALDHEIM 1817

Subgenus ***Licinus*** LATREILLE 1802
Type species: *Carabus cassideus* FABRICIUS 1792

1 (***depressus (Licinus)*** PAYKULL 1790) ABCDEFG-----MN-P-R-T------
2 ***yezoensis (Licinus)*** HABU 1947 ----------Y-
3 (***cassideus (Licinus)*** FABRICIUS 1792) ---DEFG----------
4 ***convexus (Licinus)*** HEYDEN 1889 --------I----------
5 (***silphoides (Licinus)*** ROSSI 1790) ----EF----------

Subgenus ***Neorescius*** HEYDEN, REITTER et WEISE 1906
= *Orescius* BEDEL 1879
Type species: *Carabus hoffmannseggi* PANZER 1797

6 (***hoffmannseggi (Licinus)*** PANZER 1797) A----------

Subgenus ***Tricholicinus*** POPPIUS 1912
Type species: *Derostichus setosus* J.SAHLBERG 1880

7 (***setosus (Licinus)*** J.SAHLBERG 1880) ----------T-V--Y-

Genus ***Derostichus*** MOTSCHULSKY 1859
Type species: *Derostichus caucasicus* MOTSCHULSKY 1859

1 ***caucasicus (Derostichus)*** MOTSCHULSKY 1859 ------G----------

Genus ***Colpostoma*** SEMENOV 1889
Type species: *Colpostoma insigne* SEMENOV 1889

1 ***avinovi (Colpostoma)*** SEMENOV et ZNOJKO 1929 ----------RS------- ReSad: Fergansky, Alai & Peter-the-Great Mt.r.
2 ***centrasiaticum (Colpostoma)*** SEMENOV et ZNOJKO 1929 ----------R-------- Rd: W part of inner Tian-Shan
3 ***darvazicum (Colpostoma)*** MICHAILOV 1976 ----------S------- Sd: Darvazskyi Mt.R., Viskharvi
4 ***insigne (Colpostoma)*** SEMENOV 1889 ----------S------- Sa: Alai Mt.R.
5 ***petri (Colpostoma)*** SEMENOV et ZNOJKO 1929 ----------R-------- Rb: E Terskei Alatoo, Karkara Riv.
6 ***tschitscherini (Colpostoma)*** SEMENOV et ZNOJKO 1929 ----------R-------- Re: E part of Western Tian-Shan
7 ***turkestanicum (Colpostoma)*** JEDLIªKA 1960 ----------R-------- Rb: Zailiisky Alatau Mt.R.

Genus ***Badister*** CLAIRVILLE 1806
Type species: *Carabus bipustulatus* FABRICIUS 1792
= *Amblychus* GYLLLENHAL 1810
Type species: *Carabus bipustulatus* FABRICIUS 1792

Subgenus ***Badister*** CLAIRVILLE 1802
Type species: *Carabus bipustulatus* FABRICIUS 1792

1 (***bullatus (Badister)*** SCHRANK 1798) ABCDEFG---K-MNOP-R-TUV--Y- Rab
= (*bipustulatus (Badister)* FABRICIUS 1792) [non FABRICIUS 1775]
= (*crux-minor (Badister)* OLIVIER 1795)
= *ancora (Badister)* MÉNÉTRIÉS 1832
2 ***fenestratus (Badister)*** SEMENOV 1906 ----------R-T------ RabcdeTg
3 ***lacertosus (Badister)*** STURM 1815 -BC-------K-MN---R------YZ
4 ***meridionalis (Badister)*** PUEL 1925 A-CD----------OP----------
= *kineli (Badister)* MAKOLSKI 1952
5 ***unipustulatus (Badister)*** BONELLI 1813 ABCDE---I---MN-P----------
= *cephalotes (Badister)* DEJEAN 1826
6 ***pictus (Badister)*** H.BATES 1873 Japan, possible in Russia's Far East

Subgenus ***Trimorphus*** STEPHENS 1828
Type species: *Trimorphus scapularis* STEPHENS 1828

7 (***dorsiger (Badister)*** DUFTSCHMID 1812) --C----------N----------
8 (***sodalis (Badister)*** DUFTSCHMID 1812) ABCD-FG------N----------
= *humeralis (Badister)* BONELLI 1813
= *scapularis (Badister)* STEPHENS 1828

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469 The Submerini Lafer 1989 was esablished as a separate tribe of the subfamily Licininae. In the present system, it has merited no tribal status (O.L. Kryzhanovskij) .

Subgenus ***Baudia*** RAGUSA 1884
Type species: *Carabus peltatus* PANZER 1797

9 (***dilatatus (Badister)*** CHAUDOIR 1837) -BCD-F-HI----N-----TU----- Uc
= *grafi (Badister)* REITTER 1913
10 ***collaris (Badister)*** MOTSCHULSKY 1844 A-CDEF-HI----NOP----------
= *anomalus (Badister)* PERRIS 1866
= *gladiator (Badister)* APFELBECK 1904
= *striatulus (Badister)* HANSEN 1944
11 (***peltatus (Badister)*** PANZER 1796) ABCD-F--------------------
= *ponticus (Badister)* MOTSCHULSKY 1845
12 ***marginellus (Badister)*** H.BATES 1873[470] ------------------------Z
= *nigriceps (Badister)* auct. [non A.MORAWITZ 1863]
13 ***ussuriensis (Badister)*** JEDLIˆKA 1937 ------------------------Y-

Supertribe *MASOREITAE*

Tribe *MASOREINI*

Genus ***Masoreus*** DEJEAN 1821
Type species: *Badister luxatus* SERVILLE 1821

1 (***wetterhalli (Masoreus)*** GYLLLENHAL 1813) ---D-FG---K--NOP-R-TUV---- UcVcd
= (*luxatus (Masoreus)* SERVILLE 1821)
= (*laticollis (Masoreus)* STURM 1825)
= *delahoni (Masoreus)* SCHILSKY 1888
2 (***aegyptiacus (Masoreus)*** DEJEAN 1814) --------I-------Q---------
= *affinis (Masoreus)* KÜSTER 1845
= *rotundipennis (Masoreus)* REICHE 1861
* *orientalis (Masoreus)* DEJEAN 1828

Genus ***Mnuphorus*** CHAUDOIR 1873
Type species: *Cymindis sellata* GEBLER 1843
= *Hypercosmeton* REITTER 1889
Type species: *Hypercosmeton callistoides* REITTER 1889

1 (***albomaculatus (Mnuphorus)*** BALLION 1870) ---------------P----------
ssp. ***oxianus (Mnuphorus albomaculatus, ssp.)*** GLASUNOV 1913 ---------------P----------
2 ***baekmanni (Mnuphorus)*** SEMENOV 1926 ---------------P----------
3 ***iliensis (Mnuphorus)*** GLASUNOV 1913 ---------------P----------
4 (***tetraspilus (Mnuphorus)*** SOLSKY 1874) ---------------P----------
= (*quadrimaculatus (Mnuphorus)* BALLION 1870) [non DEJEAN 1825]
= (*ballionis (Mnuphorus)* HEYDEN 1881)
5 (***jakovlevi (Mnuphorus)*** SEMENOV 1891) ---------------P----------
6 (***callistoides (Mnuphorus)*** REITTER 1889) --------I----------------
7 (***sellatus (Mnuphorus)*** GEBLER 1843) ---------------P----------
= *obsoletus (Mnuphorus)* V.JAKOWLEW 1885

Tribe *TETRAGONODERINI*

Genus ***Tetragonoderus*** DEJEAN 1829
Type species: *Bembidion quadrum* FABRICIUS 1792
= *Peronoscelis* CHAUDOIR 1876

1 ***intermedius (Tetragonoderus)*** SOLSKY 1874 ---------------P--S-------

Tribe *CORSYRINI*

Genus ***Corsyra*** DEJEAN 1825
Type species: *Corsyra fusula* STEVEN in DEJEAN 1825

1 (***fusula (Corsyra)*** STEVEN in DEJEAN 1825) ---D-F-------NOP-R-TUV---- UcVcd

Genus ***Discoptera*** SEMENOV 1889
Type species: *Discoptera komarovi* SEMENOV 1889

1 ***eylandti (Discoptera)*** SEMENOV 1889 ---------------P----------
2 ***komarovi (Discoptera)*** SEMENOV 1889 ---------------P----------
ssp. ***komarovi (Discoptera komarovi, ssp.)*** SEMENOV 1889 ---------------P----------
ssp. ***tschitscherini (Discoptera komarovi, ssp.)*** SEMENOV 1895 ---------------P----------

Supertribe *PENTAGONITAE*

Tribe *PENTAGONINI*

Genus ***Pentagonica*** SCHMIDT-GÖBEL 1846
Type species: *Pentagonica ruficollis* SCHMIDT-GÖBEL 1846
= *Didetus* LECONTE 1853
Type species: *Didetus flavipes* LECONTE 1853

1 ***angulosa (Pentagonica)*** H.BATES 1883 ------------------------Y-

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470 A restudy of the type of *Badister nigriceps* A. Mor. (kept in ZISP) , described from Japan (Hakodate) , has revealed that the name was errouneously applied to the Japanese-Kurile *B. marginellus* Bates. Apparently, *B. nigriceps* is restricted solely to Japan, whereas on the mainland it is substituted by the highly closely related *B. ussuriensis* Jedl., the latter taxon perhaps being only the former's subspecies (B. Kataev) .

Supertribe *ODACANTHITAE*

Tribe *ODACANTHINI*

Genus ***Odacantha*** PAYKULL 1798
Type species: *Attelabus melanurus* LINNAEUS 1767
= *Colliuris* auct.
= *Odontacantha* AGASSIZ 1847 [incorr. emend.]

1 (***melanura (Odacantha)*** LINNAEUS 1767) ABCDEFGHI----NOP--ST------ Tb
= (*angustata (Odacantha)* FABRICIUS 1787)
= *angulata (Odacantha)* LATREILLE 1804
= *puncticollis (Odacantha)* MANNERHEIM 1844
2 ***puziloi (Odacantha)*** SOLSKY 1875 ----------Y-

Supertribe *LEBIITAE*

Tribe *LEBIINI*

Subtribe *LEBIINA*

Genus ***Rhopalostyla*** CHAUDOIR 1850
Type species: *Taenioptilon virgatus* MOTSCHULSKY 1845
= ***Taenioptilon*** MOTSCHULSKY 1845
Type species: *Taenioptilon virgatus* MOTSCHULSKY 1845

1 (***virgata (Rhopalostyla)*** MOTSCHULSKY 1845) --------------OP---T------
= (*altaica (Rhopalostyla)* JEDLIᵃKA 1954)
= (*vittata (Rhopalostyla)* ZOUBKOFF 1833)
= (*plagella (Rhopalostyla)* REITTER 1908)

Genus ***Lionedya*** CHAUDOIR 1870
Type species: *Lebia mongolica* MOTSCHULSKY 1850

1 (***mongolica (Lionedya)*** MOTSCHULSKY 1850) ----------TUV---- TefgUcVcd

Genus ***Lachnolebia*** M.MAINDRON 1905
Type species: *Lebia cribricollis* A.MORAWITZ 1862

1 (***cribricollis (Lachnolebia)*** A.MORAWITZ 1862) ----------Y-

Genus ***Lebia*** LATREILLE 1802
Type species: *Carabus haemorrhoidalis* FABRICIUS 1792

Subgenus ***Lamprias*** BONELLI 1809
Type species: *Carabus cyanocephalus* LINNAEUS 1758
= *Echimuthus* LEACH 1815
Type species: *Carabus cyanocephalus* LINNAEUS 1758

1 (***chlorocephala (Lebia)*** HOFFMANNSEGG 1803) ABCD-FGH-----NO--R-TU----- Uc
= *suturalis (Lebia)* LETZNER 1850
= (*chrysocephalus (Lebia)* MOTSCHULSKY 1864)
= *micans (Lebia)* DES GOZIS 1873
= *cyanescens (Lebia)* DALLA TORRE 1877
= *chlorescens (Lebia)* DALLA TORRE 1877
= *palustris (Lebia)* JACQUET 1887
2 ***chrysis (Lebia)*** REITTER 1892 ----------------R-------- Re
3 (***cyanocephala (Lebia)*** LINNAEUS 1758) A-CDEFGHI---MNOP-RST------ Tb
= *nigritarsis (Lebia)* STEPHENS 1827
= *geniculata (Lebia)* MANNERHEIM 1837
= *femoralis (Lebia)* CHAUDOIR 1844
= (*pilosella (Lebia)* MOTSCHULSKY 1862)
= *violaceipennis (Lebia)* MOTSCHULSKY 1862
= *rubripes (Lebia)* DALLA TORRE 1877
= *nigripes (Lebia)* DALLA TORRE 1877 [non DEJEAN 1827]
= *azurescens (Lebia)* DALLA TORRE 1877
= *viridescens (Lebia)* DALLA TORRE 1877
= *violacea (Lebia)* JACOBSON 1926 [non BALLION 1870]
4 ***festiva (Lebia)*** FALDERMANN 1836 --------I------P-RS-------
= (*vestiva (Lebia)* CHAUDOIR 1850)
= *manderstjernae (Lebia)* BALLION 1870
5 ***punctata (Lebia)*** GEBLER 1843 --------------OP-RST------ Tb
= *violacea (Lebia)* BALLION 1870
6 ***viridana (Lebia)*** REITTER 1898 ----------------R-------- Re

Subgenus ***Lebia*** LATREILLE 1802
Type species: *Carabus haemorroidalis* FABRICIUS 1792

7 (***cruxminor (Lebia)*** LINNAEUS 1758) ABCDEFGHI---MNOP-R-TUV--YZ
= (*errata (Lebia)* ROSSI 1790)
= (*andreae (Lebia)* ROSSI 1790)
= (*cruxmajor (Lebia)* OLIVIER 1795)
= *interrupta (Lebia)* DEJEAN 1825
= *nigripes (Lebia)* DEJEAN 1827
= *communimaculata (Lebia)* DEJEAN 1831
= *nigricollis (Lebia)* GÉNE 1839
= *caucasica (Lebia)* MOTSCHULSKY 1844
= *sexmaculata (Lebia)* PATKIEWICZ 1922
8 ***humeralis (Lebia)*** DEJEAN 1825 A--DEFGHI----------------
= *turcica (Lebia)* DUFTSCHMID 1812 [non FABRICIUS 1787]

= *axillaris (Lebia)* FISCHER von WALDHEIM 1828 [non DEJEAN 1831]
9 (***scapulairs (Lebia)*** FOURCROY 1785) A--DEFGHI-------QR-------- Re
= (*turcica (Lebia)* FABRICIUS 1787)
= *bimaculata (Lebia)* FISCHER von WALDHEIM 1928
= *quadrimaculata (Lebia)* DEJEAN 1825
= *kasyi (Lebia)* JEDLIᵃKA 1967
10 ***holomera (Lebia)*** CHAUDOIR 1870 --------I-------Q-S-------
11 (***marginata (Lebia)*** FOURCROY 1785) ---D-FGH--------Q---------
= (*haemorroidalis (Lebia)* FABRICIUS 1792)
12 ***menetriesi (Lebia)*** BALLION 1869 ---D-----------P----------
= *trimaculata (Lebia)* GEBLER 1820 [non VILLERS 1789]
= *trisignata (Lebia)* MÉNÉTRIÉS 1849
13 (***trimaculata (Lebia)*** VILLERS 1789) ---DEFG-I-----OP-RS-------
= (*cyathigera (Lebia)* ROSSI 1790)
= *subscutellaris (Lebia)* REITTER 1902
14 ***turkestanica (Lebia)*** JEDLIᵃKA 1966 ---D----------OP-RST------ Tb
= *menetriesi (Lebia)* auct. part.
15 ***balteata (Lebia)*** HEYDEN 1886 ----------------RS------- ReSa: mountains around Fergana Valley

Subgenus ***Poecilothais*** M.MAINDRON 1905
Type species: *Astata tetragramma* CHAUDOIR 1870
16 ***bifenestrata (Lebia)*** A.MORAWITZ 1862 ----------------------Y-
= *lucescens (Lebia)* H.BATES 1873
= *obscura (Lebia)* JEDLIᵃKA 1931
= *pucholti (Lebia)* JEDLIᵃKA 1963
17 ***retrofasciata (Lebia)*** MOTSCHULSKY 1864 ----------------------Y-
= *japonica (Lebia)* CHAUDOIR 1871
= *eugenes (Lebia)* JEDLIᵃKA 1935
= *kavani (Lebia)* JEDLIᵃKA 1951
18 ***stackelbergi (Lebia)*** KRYZHANOVSKIJ 1987 ----------------------Y-
19 ***fusca (Lebia)*** A.MORAWITZ 1862 ----------------------Z

Subgenus ***Glyciolebia*** KRYZHANOVSKIJ 1987
Type species: *Glycia circumducta* REITTER 1890
20 ***circumducta (Lebia)*** REITTER 1890 --------I-------Q---------
= *kabulensis (Lebia)* JEDLIᵃKA 1956

Subgenus ***Setolebia*** JEDLIᵃKA 1941
Type species: *Lebia sterbai* JEDLIᵃKA 1941
21 ***caligata (Lebia)*** H.BATES 1888 ----------------------Y-

Genus ***Daer*** SEMENOV 1929
Type species: *Daer ales* SEMENOV et ZNOJKO 1929
1 ***ales (Daer)*** SEMENOV et ZNOJKO 1929 ---------------P-RS------- Re

Subtribe *CALLIDINA*

Genus ***Lebidia*** A.MORAWITZ 1863
Type species: *Lebidia octoguttata* A.MORAWITZ 1862
1 (***bioculata (Lebidia)*** A.MORAWITZ 1862) ----------------------YZ
= *pupillata (Lebidia)* ANDREWES 1924
= *batesi (Lebidia)* KANO 1929
= *occlusa (Lebidia)* JUREᵃEK 1934
2 (***octoguttata (Lebidia)*** A.MORAWITZ 1862) ----------------------YZ

Genus ***Parena*** MOTSCHULSKY 1859
Type species: *Parena bicolor* MOTSCHULSKY 1859
= *Crossoglossa* CHAUDOIR 1872
Type species: *Crossoglossi testacea* CHAUDOIR 1872
1 (***latecincta (Parena)*** H.BATES 1873) ----------------------Y- only one record from Gornotaezhnoe
= *viridilineata (Parena)* JEDLIᵃKA 1939
2 (***tripunctata (Parena)*** H.BATES 1873) ----------------------YZ Zab
= *piceola (Parena)* CHAUDOIR 1877
3 (***perforata (Parena)*** H.BATES 1873) ----------------------Y- only one record from Anisimovka, Shkotovo Distr.

Genus ***Glycia*** CHAUDOIR 1842
Type species: *Cymindis ornata* KLUG 1831
= *Neotarus* REITTER 1884
1 (***ornata (Glycia)*** KLUG 1831) ---------------P----------
= (*karelini (Glycia)* MOTSCHULSKY 1844)
= (*spencei (Glycia)* GISTEL 1838)
= *krueperi (Glycia)* REITTER 1884

Subtribe *PLATYTARINA*

Genus ***Cymindoidea*** CASTELNAU 1832
Type species: *Cymindis bisignatus* DEJEAN 1826

Subgenus ***Platytarus*** FAIRMAIRE 1850
Type species: *Cymindis famini* DEJEAN 1826
1 (***famini (Cymindoidea)*** DEJEAN 1826) ---D-----------P-R--------

Subtribe *DEMETRIINA*

Genus ***Demetrias*** BONELLI 1810
Type species: *Carabus atricapillus* LINNAEUS 1758

Subgenus ***Demetrias*** BONELLI 1810

Type species: *Carabus atricapillus* LINNAEUS 1758

1 ***amurensis (Demetrias)*** MOTSCHULSKY 1860 ----------Y-
= *sibiricus (Demetrias)* A.MORAWITZ 1862
2 (***atricapillus (Demetrias)*** LINNAEUS 1758) A--D----I----------
= (*fulvus (Demetrias)* FOURCROY 1785)
= (*elongatus (Demetrias)* DUFTSCHMID 1812)
= *obscurus (Demetrias)* STEPHENS 1834
= *confusus (Demetrias)* HEER 1838
= *obtusus (Demetrias)* MOTSCHULSKY 1844
= *angulatus (Demetrias)* MOTSCHULSKY 1844
= *punctatostriatus (Demetrias)* MOTSCHULSKY 1864
= *erythrocephalus (Demetrias)* BLYSSON 1901
3 ***longicollis (Demetrias)*** CHAUDOIR 1877 ----------Y-
4 ***monostigma (Demetrias)*** SAMOUELLE 1819 A-CDEFGHI----NOP-R-T------ Tb
= *unipunctatus (Demetrias)* GERMAR 1824
= *apicalis (Demetrias)* MOTSCHULSKY 1844
= *alatus (Demetrias)* J.MÜLLER 1921

Subgenus ***Aetophorus*** SCHMIDT-GÖBEL 1846

Type species: *Carabus imperialis* GERMAR 1824

5 (***imperialis (Demetrias)*** GERMAR 1824) A--DEFG-------OP----------
= *ruficeps (Demetrias)* SCHAUM 1860
= *interruptus (Demetrias)* SCHILSKY 1888
= *conjunctus (Demetrias)* PUEL 1923
= *lavagnei (Demetrias)* PUEL 1923

Subtribe ***DROMIINA***

Genus ***Dromius*** BONELLI 1810

Type species: *Carabus quadrimaculatus* LINNAEUS 1758

Subgenus ***Dromius*** BONELLI 1810

Type species: *Carabus quadrimaculatus* LINNAEUS 1758

1 (***agilis (Dromius)*** FABRICIUS 1787) ABCD------K-MN-----TU----- Uc
= (*velox (Dromius)* OLIVIER 1795)
= (*atricapillus (Dromius)* PANZER 1796) [non LINNAEUS 1758]
= (*truncatus (Dromius)* FABRICIUS 1801)
= *rufus (Dromius)* DUFOUR 1820
= *oberti (Dromius)* MOTSCHULSKY 1864
= *unicolor (Dromius)* DALLA TORRE 1877
= *comma (Dromius)* DALLA TORRE 1877
= *caucasicus (Dromius)* SEMENOV 1900
ab. *rufescens (Dromius agilis, ab.)* HOPE 1838
ab. *bimaculatus (Dromius agilis, ab.)* DEJEAN 1825 -B----------
2 ***angusticollis (Dromius)*** J.SAHLBERG 1889 -BC-------K-MN-----TUVW-YZ
= *flavipes (Dromius)* MOTSCHULSKY 1859
= *uralensis (Dromius)* SEMENOV 1901
= *quadraticollis (Dromius)* REITTER 1905 [non A.MORAWITZ 1862]
3 ***angustus (Dromius)*** BRULLÉ 1834 A----------
= *testaceus (Dromius)* ERICHSON 1837
= *meridionalis (Dromius)* sensu SCHAUM 1860 [non DEJEAN 1825]
4 ***ater (Dromius)*** MOTSCHULSKY 1859 ----------Y-
5 (***fenestratus (Dromius)*** FABRICIUS 1794) ABC----------
= (*colon (Dromius)* THUNBERG 1787)
= (*arcticus (Dromius)* OLIVIER 1795)
= (*biguttatus (Dromius)* CLAIRVILLE 1806)
ab. *sushkoi (Dromius fenestratus, ab.)* BARSEVSKIS 1993
ab. *angelikae (Dromius fenestratus, ab.)* BARSEVSKIS 1993
ab. *initae (Dromius fenestratus, ab.)* BARSEVSKIS 1993
ab. *zilsparnae (Dromius fenestratus, ab.)* BARSEVSKIS 1993
6 ***kurilensis (Dromius)*** LAFER 1989 ----------Z
7 ***schneideri (Dromius)*** CROTCH 1871 ABC-------K---------U----- Uc ?M ?N
= (*marginellus (Dromius)* FABRICIUS 1794) [non HERBST 1784]
8 ***laeviceps (Dromius)*** MOTSCHULSKY 1850 --CD----------
9 ***maritimus (Dromius)*** LAFER 1989 ----------Y-
10 ***meridionalis (Dromius)*** DEJEAN 1825 possible in SW C or D
= *discus (Dromius)* PUEL 1919
11 ***murgabicus (Dromius)*** KRYZHANOVSKIJ et MICHAILOV 1987 ----------P----------
12 ***plutenkoi (Dromius)*** LAFER 1989 ----------Y-
13 ***quadraticollis (Dromius)*** A.MORAWITZ 1862 -BC-------K-MN-----TUV--Y-
= *cordicollis (Dromius)* VORBRINGER 1898
= *obscurus (Dromius)* ARNOLD 1902
ab. *rotundicollis (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
ab. *guntari (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
ab. *pseudomeridionalis (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
ab. *striaticollis (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
ab. *convexicollis (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
ab. *flavicornis (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
ab. *ruficollis (Dromius quadraticollis, ab.)* BARSEVSKIS 1993
14 (***quadrimaculatus (Dromius)*** LINNAEUS 1758) ABCDE---I----------
= (*maxillosus (Dromius)* FOURCROY 1785)
ab. *desideratus (Dromius quadrimaculatus, ab.)* MEIER 1899
ab. *coerulescens (Dromius quadrimaculatus, ab.)* LETZNER 1850
ab. *convexus (Dromius quadrimaculatus, ab.)* EVERTS 1918
ab. *viturati (Dromius quadrimaculatus, ab.)* PIC 1912
ab. *obscurithorax (Dromius quadrimaculatus, ab.)* PUEL 1919
ab. *antonei (Dromius quadrimaculatus, ab.)* PUEL 1919
ab. *aigari (Dromius quadrimaculatus, ab.)* BARSEVSKIS 1993
ab. *ilzitae (Dromius quadrimaculatus, ab.)* BARSEVSKIS 1993
ab. *jansoni (Dromius quadrimaculatus, ab.)* BARSEVSKIS 1993
ab. *savenkoi (Dromius quadrimaculatus, ab.)* BARSEVSKIS 1993

15 ***semiplagiatus (Dromius)*** REITTER 1887 ------GHI-----------------
= *stavropolicus (Dromius)* LUTSHNIK 1914
16 ***hiemalis (Dromius)*** KRYZHANOVSKIJ et MICHAILOV 1987 ----------------Q---------

Subgenus ***Lebidromius*** JEDLIᵃKA 1931

Type species: *Lebidromius hauseri* JEDLIᵃKA 1931

17 ***jureceki (Dromius)*** JEDLIᵃKA 1952 ------------------------Y-
18 ***prolixus (Dromius)*** H.BATES 1883 ------------------------Z
= *campanulatus (Dromius)* H.BATES 1883

Genus ***Paradromius*** FOWLER 1886

Type species: *Dromius longiceps* DEJEAN 1826

Subgenus ***Paradromius*** FOWLER 1886

Type species: *Dromius longiceps* DEJEAN 1826

1 (***longiceps (Paradromius)*** DEJEAN 1826) -BCD-FG-------------------
2 (***suturalis (Paradromius)*** MOTSCHULSKY 1844) ---D---------N---R--UV----

Subgenus ***Manodromius*** REITTER 1905

Type species: *Carabus linearis* OLIVIER 1795

3 (***linearis (Paradromius)*** OLIVIER 1795) ABCD-FG---------Q---------
= (*praeustus (Paradromius)* STEVEN 1809)
= (*punctatostriatus (Paradromius)* DUFTSCHMID 1812)
= (*apicalis (Paradromius)* DALLA TORRE 1877)
= (*nudus (Paradromius)* DALLA TORRE 1877)
4 (***ruficollis (Paradromius)*** MOTSCHULSKY 1844) ----------LMN---R-TUVWXYZ
= (*triangularis (Paradromius)* SEMENOV 1889)
? *transbaicalicus (Paradromius)* FLEISCHER 1914
5 ***arnoldii (Paradromius)*** KABAK et KOMAROV 1995 ----------------R-------- Re: Fergansky Mt.R.: Kara-Alma

Genus ***Philorhizus*** HOPE 1838

Type species: *Carabus fasciatus* FABRICIUS 1801 [= *C.sigma* ROSSI 1790]

Subgenus ***Calodromius*** REITTER 1905

Type species: *Carabus quadrinotatus* PANZER 1801

1 (***spilotus (Philorhizus)*** ILLIGER 1798) ABCDE--------------------
= (*quadrinotatus (Philorhizus)* PANZER 1801)
= (*nigricornis (Philorhizus)* BRULLÉ in SILBERMANN 1834)
= *geminatus (Philorhizus)* HALDEMAN 1842
= *parvulus (Philorhizus)* LETZNER 1850
= *biplagiatus (Philorhizus)* HEYDEN 1876
= *basalis (Philorhizus)* SCHILSKY 1888
= *rufipennis (Philorhizus)* DELAHON 1915

Subgenus ***Philorhizus*** HOPE 1838

Type species: *Carabus fasciatus* FABRICIUS 1801 [= *C.sigma* ROSSI 1790]

2 (***koenigi (Philorhizus)*** REITTER 1905) ------G-------------------
3 (***melanocephalus (Philorhizus)*** DEJEAN 1825) [471]
4 (***notatus (Philorhizus)*** STEPHENS 1827) ABCD-FGHI-----OP-RST------ Tb
= *nigriventris (Philorhizus)* THOMSON 1857
5 ***nonfriedi (Philorhizus)*** REITTER 1898 ------GH----------------
6 (***sigma (Philorhizus)*** ROSSI 1790) ABCD-F-------N------UVWXY-
ssp. (***sigma (Philorhizus sigma, ssp.)*** ROSSI 1790) ABCD-F-------N-----------
ssp. ***amurensis (Philorhizus sigma, ssp.)*** REITTER 1887 --------------------UVWXY-
7 ***crucifer (Philorhizus)*** LUCAS 1846 --CD-FGH------OP-RS-------
= (*stolzi (Philorhizus)* REITTER 1905)
8 ***dacicus (Philorhizus)*** SCIAKY 1991 ---DE---------------------
9 ***tianshanicus (Philorhizus)*** KOMAROV et KABAK 1995 ----------------R-------- Rab: NE Dzhungarsky & central part of Zailiisky Alatau
10 ***michailovi (Philorhizus)*** KOMAROV et KABAK 1995 ----------------S------- S: env. Muminadab, Sarsaryak Mt.R.
11 ***kirgisicus (Philorhizus)*** KOMAROV et KABAK 1995 ----------------R-------- Rc: NW part Fergansky Mt.R.: Karakul Riv.

Genus ***Syntomus*** HOPE 1838

Type species: *Carabus truncatellus* LINNAEUS 1761

= *Metabletus* SCHMIDT-GÖBEL 1846

Type species: *Lebia obscuroguttata* DUFTSCHMID 1812

1 ***dilutipes (Syntomus)*** REITTER 1887 ---------------P--S-------
2 (***foveatus (Syntomus)*** FOURCROY 1785) ABCD-FG-----MN-----TUV--Y-
= (*bipunctatus (Syntomus)* ROSSI 1790)
= (*foveola (Syntomus)* GYLLLENHAL 1810)
= (*punctatellus (Syntomus)* DUFTSCHMID 1812)
ab. *coerulescens (Syntomus foveatus, ab.)* RÜSCHKAMP 1927
3 (***fuscomaculatus (Syntomus)*** MOTSCHULSKY 1844) ------G-I------P-RS-------
= (*subaeneus (Syntomus)* MOTSCHULSKY 1844)
= (*patruelus (Syntomus)* CHAUDOIR 1846)
= *exclamationis (Syntomus)* MÉNÉTRIÉS 1848
= (*arenicola (Syntomus)* WOLLASTON 1854)
= (*virgatus (Syntomus)* REICHE 1855)
= (*vittula (Syntomus)* FAIRMAIRE 1859)
= *binominus (Syntomus)* REITTER 1886
4 (***mongolicus (Syntomus)*** MOTSCHULSKY 1844) --------I----------TUV--Y-
= *motschulskyi (Syntomus)* KHNZORIAN 1978
5 (***obscuroguttatus (Syntomus)*** DUFTSCHMID 1812) A--D-F-------N-P----------
= (*atratus (Syntomus)* DEJEAN 1825)
= (*spilotus (Syntomus)* DEJEAN 1825)
= (*impunctatus (Syntomus)* STEPHENS 1827)
= (*humeralis (Syntomus)* STEPHENS 1831)
6 (***pallipes (Syntomus)*** DEJEAN 1825) ---D-FG-----MNOP----UV--Y-

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471 Its occurrence seems possible only in the extreme west of European Russia, Belarus and Moldavia. All records in the southern European USSR and Ukraine actually refer to *P. crucifer* Lucas (E. Komarov) .

= *humeralis (Syntomus)* MOTSCHULSKY 1845
= *pallidipes (Syntomus)* BEDEL 1913

7 ***parallelus (Syntomus)*** BALLION 1870 --------IJ-----P-RS-------
8 (***tibialis (Syntomus)*** MOTSCHULSKY 1844) ------------------TUVW---
9 (***truncatellus (Syntomus)*** LINNAEUS 1761) ABCDEFG---K-MNO--R-TUV----
= *picipes (Syntomus)* LETZNER 1850
= *aeneus (Syntomus)* DALLA TORRE 1877
= *obscurus (Syntomus)* DALLA TORRE 1877
= (*sibiricus (Syntomus)* MOTSCHULSKY 1844)
= (*impunctatus (Syntomus)* MOTSCHULSKY 1844)
= *tartarus (Syntomus)* H.BATES 1878
10 ***ai (Syntomus)*** BARSEVSKIS 1993 -B----------------------
11 (***impressus (Syntomus)*** DEJEAN 1825) ---D---------------------- possible in Da
= (*sagitta (Syntomus)* REITTER 1896)

Genus ***Metadromius*** BEDEL 1886

Type species: *Metabletus myrmidon* FAIRMAIRE 1859

1 (***fascifer (Metadromius)*** REITTER 1894) ---------------P--S-------
2 (***signifer (Metadromius)*** REITTER 1884) --------I---------------- I: Nakhichevan
= (*onobrychidis (Metadromius)* KHNZORIAN 1957)

Genus ***Charopterus*** MOTSCHULSKY 1839

Type species: *Charopterus paracenthesis* MOTSCHULSKY 1839

1 (***paracenthesis (Charopterus)*** MOTSCHULSKY 1839) ---D--G-I-----OP--S-------

Genus ***Microlestes*** SCHMIDT-GÖBEL 1846

Type species: *Microlestes inconspicuus* SCHMIDT-GÖBEL 1846

= *Blechrus* MOTSCHULSKY 1847

Type species: *Lebia glabrata* DUFTSCHMID 1812 [= *C.minutulus* GOEZE 1777]

= *Bomius* LECONTE 1851

Type species: *Bomius linearis* LECONTE 1851

= *Dromius* sensu SLOANE 1898

1 (***corticalis (Microlestes)*** DUFOUR 1820) ---DEFGHI------P--S-------
ssp. (***corticalis (Microlestes corticalis, ssp.)*** DUFOUR 1820) -------HI------P--S-------
ssp. ***escorialensis (Microlestes corticalis, ssp.)*** BRISOUT de BARNEVILLE 1885 ---DEFG------------------
2 ***fissuralis (Microlestes)*** REITTER 1901 ---D-FG-I------PQRSTU-----
3 ***fulvibasis (Microlestes)*** REITTER 1900 ---DEF-HI-----OPQRS-------
4 ***gracilicornis (Microlestes)*** HOLDHAUS 1912 --------I-----OP-RS-------
5 ***luctuosus (Microlestes)*** HOLDHAUS 1912 ----E-G-I-----OP-RS-------
= *exilis (Microlestes)* REITTER 1900 [non SCHMIDT-GÖBEL 1846]
= *chobauti (Microlestes)* JEANNEL 1942
6 (***maurus (Microlestes)*** STURM 1827) ABCDEFG------N-P-RS-------
7 (***minutulus (Microlestes)*** GOEZE 1777) ABCDEFGHIJKLMNOP-RSTUV--Y-
= (*glabratus (Microlestes)* DUFTSCHMID 1812)
8 (***negrita (Microlestes)*** WOLLASTON 1854) ---DE-GHIJ----------------
= *apfelbecki (Microlestes)* HOLDHAUS 1904
9 (***plagiatus (Microlestes)*** DUFTSCHMID 1812) --CDEFGHIJK--NOPQRST------ Tb
10 ***politulus (Microlestes)*** REITTER 1900 --------I-----OP-RS-------
11 ***schroederi (Microlestes)*** HOLDHAUS 1912 ---D---------NO--R-TU-----
12 ***badulini (Microlestes)*** KOMAROV 1990 ---D----------O---------- Dcd
13 ***tenuis (Microlestes)*** MATEU 1984 --------------OPQ---------
14 ***golvani (Microlestes)*** MATEU 1961 -------H------------------ Hc
15 ***syriacus (Microlestes)*** BRISOUT de BARNEVILLE 1885 ---------------PQ---------

Genus ***Lionychus*** WISSMANN 1846

Type species: *Lebia quadrillum* DUFTSCHMID 1812

1 (***quadrillum (Lionychus)*** DUFTSCHMID 1812) A--D-FGH-----------------
= (*bipunctatus (Lionychus)* HEER 1838)
= (*striatulus (Lionychus)* HEER 1838)
= *insignatus (Lionychus)* DALLA TORRE 1877
= *signatus (Lionychus)* DALLA TORRE 1877
= *stigmatus (Lionychus)* DALLA TORRE 1877
= *unicolor (Lionychus)* SCHILSKY 1888
2 ***orientalis (Lionychus)*** K.DANIEL 1900 --------I-----------------
3 ***fleischeri (Lionychus)*** REITTER 1908 ---D----------------------

Genus ***Apristus*** CHAUDOIR 1846

Type species: *Apristus subaeneus* CHAUDOIR 1846

= *Crephnos* BAUDI 1864

1 ***phoebus (Apristus)*** ANDREWES 1932 ------------------S-------
2 ***reticulatus (Apristus)*** SCHAUM 1857 --------I--------R-T------
3 ***subaeneus (Apristus)*** CHAUDOIR 1846 ------G-I--------RS-------
4 ***europaeus (Apristus)*** MATEU 1980 ------G-------------------
5 (***striatus (Apristus)*** MOTSCHULSKY 1844) ------------------T-VW-Y-
6 ***baderlei (Apristus)*** KIRSCHENHOFER 1988 ----------------Q--------- Qb: env. Ashgabat: Chuli
7 ***turkmenicus (Apristus)*** KIRSCHENHOFER 1988 ----------------Q--------- Qa: Kara-Kala, Chendyr
8 ***schmidti (Apristus)*** KIRSCHENHOFER 1991 ------------------T------

Genus ***Xanthomelina*** KHNZORIAN 1964

Type species: *Apristus zaitzevi* EICHLER 1924

1 (***zaitzevi (Xanthomelina)*** EICHLER 1924) --------I-----------------

Genus ***Microdaccus*** SCHAUM 1864

Type species: *Badister pulchellus* SCHAUM 1864

1 ***glasunovi (Microdaccus)*** EMETZ 1979 ---------------P----------

Genus ***Somotrichus*** SEIDLITZ 1887

Type species: *Carabus elevatus* FABRICIUS 1787 [= *S.unifasciatus* DEJEAN 1825]

1 (***elevatus (Somotrichus)*** FABRICIUS 1787) Introduction from tropical countries is possible
= (*unifasciatus (Somotrichus)* DEJEAN 1825)

Genus ***Plochionus*** LATREILLE et DEJEAN 1824

Type species: *Plochionus bonfilisi* DEJEAN 1825

1 (***pallens (Plochionus)*** FABRICIUS 1775) Introduction from tropical countries is possible
= *bonfilisi (Plochionus)* DEJEAN 1825

Subtribe *CYMINDINA*

Genus ***Cymindis*** LATREILLE 1806

Type species: *Buprestis humeralis* FOURCROY 1785

Subgenus ***Baicalotarus*** EMETZ 1974

Type species: *Cymindis rivularis* MOTSCHULSKY 1844

1 ***rivularis (Cymindis)*** MOTSCHULSKY 1844 ----------TUV----
= *chaoyangensis (Cymindis)* KANO 1935

Subgenus ***Chaetotarus*** REITTER 1903

Type species: *Cymindis pilosissima* REITTER 1894

2 ***pilosissima (Cymindis)*** REITTER 1894
ssp. ***dshungarica (Cymindis pilosissima, ssp.)*** JEDLIªKA 1967 ----------T------ Tg

Subgenus ***Cymindis*** LATREILLE 1806

Type species: *Buprestis humeralis* FOURCROY 1785

= *Tarus* CLAIRVILLE 1806

Type species: *Buprestis humeralis* FOURCROY 1785

= *Anomoeus* FISCHER von WALDHEIM 1822

Type species: *Anomoeus dorsalis* FISCHER von WALDHEIM 1822

= *Psammastes* MOTSCHULSKY 1864

Type species: *Cymindis suturalis* DEJEAN 1825

3 ***accentifera (Cymindis)*** ZOUBKOFF 1833 ---D----------OP-R--------
= *translucida (Cymindis)* BALLION 1871
4 ***andreae (Cymindis)*** MÉNÉTRIÉS 1832 ---D----I-----OP--S-------
= *imperialis (Cymindis)* ZOUBKOFF 1837
ab. *georgica (Cymindis andreae, ab.)* REITTER 1923
ab. *immaculata (Cymindis andreae, ab.)* EICHLER 1924 [non DEJEAN et BOISDUVAL 1829]
5 (***angularis (Cymindis)*** GYLLLENHAL 1810) -BCD--------MNO--R-TUV----
= *rectangula (Cymindis)* MOTSCHULSKY 1850
= *sibirica (Cymindis)* V.JAKOWLEW 1891
= (*lunaris (Cymindis)* DUFTSCHMID 1812)
var. *lonae (Cymindis angularis, var.)* H.WAGNER 1927
6 (***axillaris (Cymindis)*** FABRICIUS 1794) ---D-F--------OPQ--------- O: ? western part
= *taurica (Cymindis)* MOTSCHULSKY 1846
var. *palliata (Cymindis axillaris, var.)* FISCHER von WALDHEIM 1823
var. *crenata (Cymindis axillaris, var.)* CHAUDOIR 1844
7 ***cingulata (Cymindis)*** DEJEAN 1825 A------------------------
= *flavomarginata (Cymindis)* LETZNER 1850
8 ***decora (Cymindis)*** FISCHER von WALDHEIM 1829 ---D----------OP-R-T------
= *dorsalis (Cymindis)* GEBLER 1829 [non FISCHER von WALDHEIM 1822]
= (*obliqua (Cymindis)* MOTSCHULSKY 1850)
ab. *stenodera (Cymindis decora, ab.)* TSCHITSCHÉRINE 1895
9 (***humeralis (Cymindis)*** FOURCROY 1785) -BCDEF--------------------
10 ***intermedia (Cymindis)*** CHAUDOIR 1873 ------G-------------------
11 (***lineata (Cymindis)*** QUENSEL 1806) ---D----------OP----------
= (*dorsalis (Cymindis)* FISCHER von WALDHEIM 1822)
var. *manca (Cymindis lineata, var.)* GANGLBAUER 1900
12 ***ornata (Cymindis)*** FISCHER von WALDHEIM 1824 ----E---------------------
13 (***picta (Cymindis)*** PALLAS 1771) ---D-F--I----NOP-RST------ Tb
ssp. (***picta (Cymindis picta, ssp.)*** PALLAS 1771) ---D-F--I----NOP-RST------
= (*cruciata (Cymindis)* FISCHER von WALDHEIM 1822)
ssp. ***attenuata (Cymindis picta, ssp.)*** V.JAKOWLEW 1887 ----------S------- Sb
14 ***ovipennis (Cymindis)*** MOTSCHULSKY 1844 ------G-I-----------------
= *ganglbaueri (Cymindis)* REITTER 1888
15 ***quadrisignata (Cymindis)*** MÉNÉTRIÉS 1849 ---------------P-RS-------
16 ***scapularis (Cymindis)*** SCHAUM 1857 -------------O--R-T------ RaTb
= *axillaris (Cymindis)* DUFTSCHMID 1812 [non FABRICIUS 1794]
= (*oblonga (Cymindis)* MOTSCHULSKY 1864)
= *cribricollis (Cymindis)* REICHE 1863
? *confusa (Cymindis)* PEYRON 1850
var. *etrusca (Cymindis scapularis, var.)* BASSI 1834
17 ***vagemaculata (Cymindis)*** BREIT 1914 ----E---------------------

Subgenus ***Eremocymindis*** EMETZ 1974

Type species: *Cymindis pallidula* CHAUDOIR 1846

18 ***cordicollis (Cymindis)*** V.JAKOWLEW 1887 ---------------P---------- lower flow of Syr-Darya Riv., Ustyurt Plateau
19 ***pallidula (Cymindis)*** CHAUDOIR 1846 ---D-----------P----------
= *transcaspica (Cymindis)* SEMENOV 1890
= (*hauseri (Cymindis)* REITTER 1894)
20 ***dubia (Cymindis)*** BALLION 1878 ----------------R-------- Ra: Dzharkent (=Panfilov) region
21 ***emetzi (Cymindis)*** MICHAILOV 1977 ----------------S------- S slope of Darvazsky Mt.R.

Subgenus ***Iscariotes*** REICHE 1855

Type species: *Iscariotes hierichonicus* REICHE 1855

= *Psammoxenus* CHAUDOIR 1873

Type species: *Tarus sabulosus* MOTSCHULSKY 1850

22 ***balchashica (Cymindis)*** EMETZ et KRYZHANOVSKIJ 1973 ---------------P---------- N & W shores of Lake Balkhash
23 ***capito (Cymindis)*** KRYZHANOVSKIJ et EMETZ 1973 ---------------P---------- Karakum Desert

24 ***jakowlewi (Cymindis)*** SEMENOV 1889 ------------------S------- East Pamirs
= *obsoleta (Cymindis)* V.JAKOWLEW 1885 [non FALDERMANN 1836]
= *nivicola (Cymindis)* SEMENOV 1891
25 ***kiritschenkoi (Cymindis)*** EMETZ et KRYZHANOVSKIJ 1973 ---D----------P---------- NW Kazakhstan: Dzhanybek; Crimea: Kerch
26 (***sabulosa (Cymindis)*** MOTSCHULSKY 1850) ---D---------------------- sands of Caspian Lowland
27 ***semenovi (Cymindis)*** V.JAKOWLEW 1890 ------------------T------ Tb: Kosh-Agach
= *hyaloptera (Cymindis)* SEMENOV 1891
= *soederbomi (Cymindis)* LIEBKE 1935
28 ***triangularis (Cymindis)*** REITTER 1897 ---------------P-R-------- ?Tian-Shan (loc.typ.) , Muyumkum & Karakum Deserts
29 ***tschikatunovi (Cymindis)*** MICHAILOV 1977 ------------------S------- South Tajikistan

Subgenus ***Neopsammoxenus*** EMETZ 1973

Type species: *Cymindis kasakh* KRYZHANOVSKIJ et EMETZ 1973

30 ***kasakh (Cymindis)*** KRYZHANOVSKIJ et EMETZ 1973 --------------O---------- N & C Kazakhstan, SE slope of Tuyun-Tau Mt.R.

Subgenus ***Paracymindis*** JEDLIᵖKA 1968[472]

Type species: *Cymindis ghaznii* JEDLIᵃKA 1968

= *Mastus* MOTSCHULSKY 1864 [non BECK 1837]

Type species: *Cymindis rufipes* GEBLER 1825

= *Assadeva* MANDL 1973

Type species: *Cymindis rufescens* GEBLER 1845

31 ***altaica (Cymindis)*** GEBLER 1833 ------------------T------ Tb
32 ***arctica (Cymindis)*** EMETZ et KRYZHANOVSKIJ 1979 ----------------------W--- Yakutia
33 ***fedtschenkoi (Cymindis)*** TSCHITSCHÉRINE 1896 ---------------P-R-------- Re
34 ***asiabadense (Cymindis)*** JEDLIᵃKA 1961
= *afghanica (Cymindis)* EMETZ 1972
ssp. ***kryzhanovskii (Cymindis asiabadense, ssp.)*** EMETZ 1972 ------------------S------- Sed
35 ***mannerheimi (Cymindis)*** GEBLER 1843 ---------------P-RST------ Ta
= *kirgisica (Cymindis)* CHAUDOIR 1875
= *altaica (Cymindis)* H.BATES 1890 [non GEBLER 1833]
= *stygia (Cymindis)* TSCHITSCHÉRINE 1895
= *reichardti (Cymindis)* LUTSHNIK 1930
= *sterbai (Cymindis)* JEDLIᵃKA 1946 **Syn. nov.**[473]
= *namanganensis (Cymindis)* JEDLIᵃKA 1946 **Syn. nov.**[474]
fleischeri (Cymindis) REITTER 1923[475]
36 ***massageta (Cymindis)*** EMETZ 1972 ---------------P-R-------- RbP: Chu-Ili Mts, middle flow of Ili River
37 ***michailovi (Cymindis)*** EMETZ 1972 ------------------S------- Scd: Hissarsky, Karategsky & Peter-the-Great Mt.r.
38 ***oschanini (Cymindis)*** TSCHITSCHÉRINE 1896 ------------------S------- E.Bukhara, Baldzhuan - only 1 female
39 ***rostowtzowi (Cymindis)*** TSCHITSCHÉRINE 1896 -------------------T------
ssp. ***rostowtzowi (Cymindis rostowtzowi, ssp.)*** TSCHITSCHÉRINE 1896 -------------------T------ Tb
40 ***rufescens (Cymindis)*** GEBLER 1845 ----------------P--S------- Sec
41 ***rufipes (Cymindis)*** GEBLER 1825 -------------------T------ Tab
= *transversithorax (Cymindis)* REITTER 1923 **Syn. nov.**[476]
= *frivola (Cymindis)* REITTER [nom. nud.]
42 ***simplex (Cymindis)*** ZOUBKOFF 1833 **Sp. dist.**[477] ---D----------OP-RST------
= *diremta (Cymindis)* REITTER 1923
= *prudens (Cymindis)* REITTER [nom. nud.]
43 ***sewertzowi (Cymindis)*** TSCHITSCHÉRINE 1896 ----------------P--S-------
44 ***solskyi (Cymindis)*** TSCHITSCHÉRINE 1896 ------------------S------- Sce
45 ***pecirkai (Cymindis)*** JEDLIᵃKA 1946 -----------------R-------- Rab
= *tekesiana (Cymindis)* EMETZ 1972 **Syn. nov.**[478]

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472 According to B. Zvariᵒ (Most, Chech Republic) , *Mastus* Motschulsky 1864 (Coleoptera) is preoccupied by *Mastus* Beck 1837 (Mollusca) , with the valid replacement name being *Paracymindis* Jedliᵒka 1968 (syn. ad *Mastus*, cf. Emetz, 1974) . Based on the presence of an impression along the elytral suture, Jedliᵒka assigned *C. ghaznii* Jedl., *C. akserai* Jedl. and *C. asiabadense* Jedl. to that Subgenus. This very character was used by Mandl (1973) in separating the Subgenus *Assadeva* (type-species: *Cymindis rufescens*) . Yet one must be careful when applying that feature, for in a number of cases it has proved to vary considerably even within a single population, up to the complete absence of an impression in some individuals of *C. solskyi* Tschit. or numerous *C. fedtschenkoi* Tschit., sometimes reflecting also vertical variations (in *C. rufescens* Gebl.) . In addition, an impressed elytral suture combined with a monochromous dark body occurs in representatives of some other *Cymindis* subgenera too, e.g. in *C. chodjaii* Morvan as well as in species of the Subgenus *Petrovitziella* Mandl 1973 (type-species: *P. vartianorum* Mandl) . Indeed, *Petrovitziella* does warrant the rank of a Subgenus of *Cymindis*. Besides the type-species, Morvan (1977) assigns to the genus also *Cymindis persica* Jedl. Concerning the fauna in question, probably *Cymindis sewertzowi* Tschit., a species by a whole number of characters close to *P. vartianorum* Mandl, but displaying a complete basal margination of the elytra, is to be referred there too. Since *C. sewertzowi* is very rare and no male has hitherto been captured, the problem of its subgeneric allocation remains unresolved (I. Kabak) .

473 Described by Jedliᵒka (1946) from Dzharkent (type) , Issyk-Kul and Mongolia, omitted in Emetz's (1972) revision of the Subgenus Mastus. The types are housed in MNP: “ Typus; Dsharkent Kuldsha; *sterbai* sp.n. det. Ing. Jedliᵒka; *Cymindis (Mastus) mannerheimi* Gebl. Emetz det. 1973, *Cymindis (Mastus) mannerheimi* Gebl. Emetz det., 1973;” Cotype; Mongolei Al. Smolka; “ Cotype; Turk. Issyk Kul Terski tau; Inv. 24749 and 24750. A restudy of the types has confirmed the opinion of Emetz that *C. sterbai* Jedliᵒka 1946 is only a junior synonym of *C. mannerheimi* Gebler 1843 (I. Kabak) .

474 Described by Jedliᵒka (1946) from the holotype deriving from Namangan, synonymized by Emetz (1972) under *C. tristis* B. Jak. 1887. A restudy of the type of *C. namanganensis*, “, labelled Namangan turkest.; Typus; *namanganesis* sp.n. det. Ing. Jedliᵒka; Mus. Nat. Pragae Inv. 24753; *Cymindis (Mastus) tristis* B. Jak. “ Emetz det. 1973, in MNP, has revealed that *C. namanganensis* Jedl. 1946 is in fact another synonym of *C. mannerheimi* Gebler 1843 (I. Kabak) .

475 Described upon 1”, labelled Dsungarei Karlyk-Tag, as a member of the Subgenus *Tarsostinus*. A restudy of a specimen from the Fleischer Collection (kept in MNP) has revealed that, besides the correct locality data and a label reading Typus, it agrees quite well with the original description of *C. fleischeri* Rtt. and belongs to the Subgenus *Paracymindis*. It appears to be close to *C. mannerheimi* Gebl., but based only upon 1”, without further topotypical material, the problem of this taxon's identity remains unresolved (I. Kabak) .

476 *Cymindis transversithorax* Reitter has been originally described in the Subgenus *Tarsostinus* by Reitter (1923) from 1” deriving from the Tarbagatai Mts. Based on that description, Emetz & Kryzhanovsky (1973) referred to that name as a possible synonym of *C. lateralis* Fisch. A restudy of the type of *C. transversithorax* (kept in NMP, 1” with the labels Sibirien Tarbagatai Haberhauer 77; *frivola* m. type in Reitter's own handwriting, *transversithorax* Rtt. det. Ing. Jedliᵒka) , its comparisons with 1” similar to the type and carrying the same geographical label (kept in MNP) as well as with a syntype of *C. rufipes* Gebler (“ with a golden disk and a label reading *rufipes* Gebl. Sibiria, in ZISP) have allowed to establish that *C. rufipes* Gebler 1825 = *C. transversithorax* Reitter 1923 (I. Kabak) .

477 A study of the male genital structure in various populations has revealed that *C. rufipes* is to be split into two separate taxa. Both are equal in the shape of the aedeagus and endophallus sclerite, yet differ in the conformation of the endophallus. By habitus, *C. rufipes* is characterized by a broad, flattened body and by strongly rounded sides of the pronotum. Its range covers Saur Mts and Tarbagatai Mts. The second taxon populates the xerophytic landscapes from Mangyshlak to the Altais, reaching the foothils of the Tian-Shan and Alaisky Mt. Range in the south. It must be called *C. simplex* Zoubk., 1833 (loc. typ.: Transcaspien) , a name synonymized by V. M. Emetz under *C. rifipes*. As regards related species, *C. pecirkai* Jedl. is close to *C. rufipes* in all characters, while both *C. massageta* and *C. simplex* display a similar shape of the endophallus, yet retaining distinct differences in penial conformation (I. Kabak) .

46 ***angustior (Cymindis)*** KRAATZ 1884 **Sp. dist.**[479] ----------S------- SaRe
= *heydeni (Cymindis)* KRAATZ 1883 [non PAULINO 1882]
= *tristis (Cymindis)* V.JAKOWLEW 1887 **Syn. nov.** ----------S-------

47 ***reitteri (Cymindis)*** LIEBKE 1927[480] ----------R-------- loc. typ.: Taschkent
= *uniseriata (Cymindis)* REITTER 1923 [non H.BATES 1884]

Subgenus ***Pseudomastus*** EMETZ 1972

Type species: *Cymindis ruficollis* GEBLER 1845

48 ***ruficollis (Cymindis)*** GEBLER 1845 ----------OP-R--------

Subgenus ***Menas*** MOTSCHULSKY 1864

Type species: *Carabus miliaris* FABRICIUS 1801 [= *C.variolosa* FABRICIUS 1794]

= *Berus* MOTSCHULSKY 1864

49 ***cylindrica (Cymindis)*** MOTSCHULSKY 1844 ---D----------O---------- _____
50 ***daimio (Cymindis)*** H.BATES 1873 ----------YZ
= *tschitscherini (Cymindis)* SEMENOV 1895
= *nigrifemoris (Cymindis)* HABU et INOYE 1963
51 ***faldermanni (Cymindis)*** GISTEL 1839 ---D----------O----TUV----
= *transvolgensis (Cymindis)* SEMENOV 1895[481]
= *baikalensis (Cymindis)* SEMENOV 1895[482]
= *pilosa (Cymindis)* GEBLER 1825 [non SAY 1823]
= *mongolica (Cymindis)* JEDLIªKA 1966
52 ***impressa (Cymindis)*** REITTER 1893 ----------RS-------
= *walteri (Cymindis)* SEMENOV 1890 [non REITTER 1890]
= *turkestanica (Cymindis)* TSCHITSCHÉRINE 1896[483]
= *alajensis (Cymindis)* TSCHITSCHÉRINE 1896[484]
= *violacea (Cymindis)* SEMENOV 1890 [non CHAUDOIR 1873][485]
53 (***variolosa (Cymindis)*** FABRICIUS 1794) ---D-FG-------OP-R--------
= (*miliaris (Cymindis)* FABRICIUS 1801)
= *rufibasis (Cymindis)* REITTER 1893
ab. *subcyanea (Cymindis variolosa, ab.)* MOTSCHULSKY 1850
= *cylindrica (Cymindis)* SEMENOV 1890 [non MOTSCHULSKY 1844]
ab. *viridipennis (Cymindis variolosa, ab.)* MOTSCHULSKY 1864
var. *cyanoptera (Cymindis variolosa, var.)* CHAUDOIR 1873
ab. *laetula (Cymindis variolosa, ab.)* REITTER 1893
= *punctatissima (Cymindis)* MOTSCHULSKY 1846
54 ***walteri (Cymindis)*** REITTER 1890 --------I-------Q---------
55 ***violacea (Cymindis)*** CHAUDOIR 1873 ---D-F-------NO----------
? *perforata (Cymindis)* MOTSCHULSKY 1850
= *frivaldszkyi (Cymindis)* REITTER 1893

Subgenus ***Neomenas*** EMETZ 1974

Type species: *Cymindis antonovi* SEMENOV 1891

56 (***antonowi (Cymindis)*** SEMENOV 1891) ----------P----------

Subgenus ***Pseudocymindis*** HABU 1967

Type species: *Cymindis yokoyamai* NAKANE 1963 [= *C.collaris* MOTSCHULSKY 1844]

57 ***collaris (Cymindis)*** MOTSCHULSKY 1844 ----------TUV--Y-
= *distigma (Cymindis)* V.JAKOWLEW 1890
= *transbaicalica (Cymindis)* JEDLIªKA 1963
= *quadrinotata (Cymindis)* JEDLIªKA 1963
= *yokoyamai (Cymindis)* NAKANE 1963

Subgenus ***Tarsostinus*** MOTSCHULSKY 1864

Type species: *Cymindis lateralis* FISCHER von WALDHEIM 1821

58 ***binotata (Cymindis)*** FISCHER von WALDHEIM 1820 ---D-F------MNOP---TUVW---
= *marginata (Cymindis)* FISCHER von WALDHEIM 1829
= *semivittata (Cymindis)* CHAUDOIR 1850
= *breviuscula (Cymindis)* V.JAKOWLEW 1887
= *potanini (Cymindis)* V.JAKOWLEW 1890
= *hedini (Cymindis)* LIEBKE 1935
= *hummeli (Cymindis)* LIEBKE 1935
59 ***equestris (Cymindis)*** GEBLER 1825 ---D----I---MNOP---TUV----
= *repanda (Cymindis)* ZOUBKOFF 1833
= *imitatoria (Cymindis)* V.JAKOWLEW 1890
ab. *figurata (Cymindis equestris, ab.)* MOTSCHULSKY 1844
ab. *impicta (Cymindis equestris, ab.)* CHAUDOIR 1873
60 ***lateralis (Cymindis)*** FISCHER von WALDHEIM 1821 ---DEF------MNOP---T------
= *bivittata (Cymindis)* FISCHER von WALDHEIM 1823

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478 A restudy of the types of both species (*C. pecirkai*: «Dzharkent, Kuldsha; Typus; *Pecirkai* sp. n. det. Ing. Jedliªka, in MNP, and *C. tekesiana*: “ 115; Flumen Tekes; *Cymindis tekesiana* sp.n. “ det. Emetz 1971; Holotypus, in ZISP) coupled with the examination of an abundant material from the SE of Kazakhstan (Ketmen, E part of Terskei Alatoo, Turaigyr, S of Dzhungarsky Alatau Mt. ranges) has allowed to establish the doubtless synonymy *C. pecirkai* Jedl. 1946 = *C. tekesiana* Emetz 1972 (I. Kabak) .

479 *C. angustior* Kraatz 1884 (*C. heydeni* Kraatz 1883, non Paulino) has been originally described from near Osh and later, based solely on the original description, synonymized by Emetz (1973) under *C. rufipes*. A restudy of a syntype of *C. angustior* Kr. (“ with the labels Syntypus; Osch Turk.; *angustior* Kraatz; Coll. Schaum; *Cymindis rufescens* Heydn, in DEI) has revealed, we face a separate species. Moreover, *C. tristis* is its junior synonym, as unravelled by a re-examination of pertinent material (“ with the labels Maur.; Moian; *tristis* nov.; Holotypus, in ZISP) . This species' typical form populates the N slopes of the Turkestansky and Alaisky Mt. ranges, further two, yet undescribed, subspecies are restricted to the Fergansky and Chatkalsky Mt. ranges (I. Kabak) .

480 Described from 1” deriving from the environs of Tashkent. Based on the original description, Emetz (1972) has synonymized *C. reitteri* under *C. rufipes*. A restudy of the former's type (immature “ labelled Taschkend, Reitter; *rufipes* Gebl.; *uniseriata* m. type in Reitter's own handwriting; *Cymindis uniseriata* Rtt. det. Ing. Jedliªka, in MNP) has revealed that *C. reitteri* is no synonym of *C. rufipes*, more likely being identical to the form *C. fedtschenkoi* populating the Chimgan Mt. area. Yet, nothing more certain can be said as based upon an immature female (I. Kabak) .

481 The synonymy has been established, though not published, by V. M. Emetz (I. Kabak) .

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= *simplex (Cymindis)* CHAUDOIR 1850 [non ZOUBKOFF 1833]
var. *obsoleta (Cymindis lateralis, var.)* FALDERMANN 1836
61 ***macularis (Cymindis)*** FISCHER von WALDHEIM 1824 -BC----------------TU-----
= *binotata (Cymindis)* STURM 1827 [non FISCHER von WALDHEIM 1820]
ab. *immacularis (Cymindis macularis, ab.)* LETZNER 1850
ab. *fenestrata (Cymindis macularis, ab.)* SCHILSKY 1888
ab. *fasciolata (Cymindis macularis, ab.)* SCHILSKY 1888
ab. *crucifera (Cymindis macularis, ab.)* REITTER 1923
62 ***medvedevi (Cymindis)*** KRYZHANOVSKIJ et EMETZ 1973 ---D-------L--------------

Subgenus ***Tarulus*** BEDEL 1906

Type species: *Tarus zargoides* WOLLASTON 1863

63 (***vaporariorum (Cymindis)*** LINNAEUS 1758) ABC-------K-MN-----TUVWXYZ
= *basalis (Cymindis)* GYLLLENHAL 1810
= (*gebleri (Cymindis)* MOTSCHULSKY 1850)
= *subarcticus (Cymindis)* KANO 1933
= (*mollis (Cymindis)* STRÖM 1768)
= (*humeralis (Cymindis)* PAYKULL 1790)
= *punctata (Cymindis)* DEJEAN 1825
= *intricata (Cymindis)* MOTSCHULSKY 1844
ab. *immaculata (Cymindis vaporariorum, ab.)* DEJEAN et BOISDUVAL 1829
ab. *dilatipennis (Cymindis vaporariorum, ab.)* MOTSCHULSKY 1864

Genus ***Petrimagnia*** KRYZHANOVSKIJ et MICHAILOV 1971

Type species: *Petrimagnia horricoma* KRYZHANOVSKIJ et MICHAILOV 1971

1 ***horricoma (Petrimagnia)*** KRYZHANOVSKIJ et MICHAILOV 1971 ----------S-------

Genus ***Agatus*** MOTSCHULSKY 1844

Type species: *Agatus fasciatus* MOTSCHULSKY 1844 [=*A.cingulatus* GEBLER 1843]

1 (***amoenulus (Agatus)*** SEMENOV 1889) ----------P----------
2 ***anthracinus (Agatus)*** SOLSKY 1874 ----------P----------
3 (***apicalis (Agatus)*** JEDLIᵃKA 1955) ----------P----------
4 (***bicolor (Agatus)*** SOLSKY 1874) ----------PQRS-------
= *taschkentensis (Agatus)* JEDLIᵃKA 1961
5 (***cingulatus (Agatus)*** GEBLER 1843) ---D----------PQ---------
= *fasciatus (Agatus)* MOTSCHULSKY 1844
6 ***flavipes (Agatus)*** SOLSKY 1874 ---D----------PQ---------

Genus ***Merizomena*** CHAUDOIR 1872

Type species: *Cymindis dimidiatus* MÉNÉTRIÉS 1848

1 (***dimidiata (Merizomena)*** MÉNÉTRIÉS 1848) ----------P---------- Kyzylkum Desert
2 ***grandella (Merizomena)*** SEMENOV 1890 ----------P----------
= *grandinella (Merizomena)* SEMENOV 1890
3 ***silvatica (Merizomena)*** MICHAILOV 1977 ----------S------- N slope of Darvazsky Mt.R.
4 (***tricolor (Merizomena)*** GEBLER 1845) ---D----------PQRS-------
5 ***tschitscherini (Merizomena)*** SEMENOV 1900 ----------P--S-------

Genus ***Trichis*** KLUG 1831

Type species: *Trichis maculata* KLUG 1831

1 ***maculata (Trichis)*** KLUG 1831 ----------P--S-------

Genus ***Anomotarus*** CHAUDOIR 1875

Type species: *Anomotarus olivaceus* CHAUDOIR 1875 [= *A.illawarrae* MACLEAY 1825]

1 (***pakistana (Anomotarus)*** JEDLIᵃKA 1964) **Comb. nov.**[486] ----------S-------

Tribe *ANTHIINI*

Genus ***Anthia*** F.WEBER 1801

Subgenus ***Pachymorpha*** HOPE 1838

Type species: *Carabus sexguttatus* FABRICIUS 1787

1 ***mannerheimi (Anthia)*** CHAUDOIR 1842 ----------P----------

Tribe *DRYPTINI*

Genus ***Drypta*** LATREILLE 1796

Type species: *Cicindela emarginata* OLIVIER 1790 [= *D.denatata* ROSSI 1790]

1 (***dentata (Drypta)*** ROSSI 1790) ---D-FGHIJ----------
= (*emarginata (Drypta)* OLIVIER 1790)
= *chrysostoma (Drypta)* SOWERBY 1806
= *angustata (Drypta)* CHAUDOIR 1842
2 ***ussuriensis (Drypta)*** JEDLIᵃKA 1963 ----------Y-

Tribe *ZUPHIINI*

Genus ***Polystichus*** BONELLI 1809

Type species: *Carabus fasciolatus* FABRICIUS 1801 [= *P.connexus* FOURCROY 1785]

1 (***connexus (Polystichus)*** FOURCROY 1785) ---D--GHI----NOPQR-T------ N: S Novosibirskaya Area

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486 Described as a *Cymindis* (Jedliᵃka, 1964, Ent. Arb. Mus. Frey. 15: 288, Abb. 3, locus typicus: Sassi) from 1" deriving from Pakistan. A restudy of the type (kept in MNP) has revealed both its attribution to the genus *Anomotarus* Chaud. and close affinities with *A. stigmula* Chaud. From the latter taxon, *A. pakistana* (Jedl.) differs by the considerably bigger size and well-developed pale elytral pattern. There are a few specimens of *Anomotarus* in the ZISP Collection, all originating from southern Tajikistan (Dzhilikul, Staraya Pristan) , yet differing from *A. pakistana* by the smaller size, from *A. stigmula* Chaud. by the coloration, microsculpture pattern and more strongly elongated lamella of the aedeagus. Hence the identity of this form, which is close to *A. pakistana*, remains unclear, because the latter species is known but from 1". The genus *Anomotarus* Chaud. is thus recorded in the former Soviet Union for the first time (I. Kabak) .

= *vittatus (Polystichus)* BRULLÉ 1834
= (*fasciolatus (Polystichus)* FABRICIUS 1801) [non ROSSI 1790]
= *brevipennis (Polystichus)* MÉNÉTRIÉS 1848

2 (***fasciolatus (Polystichus)*** ROSSI 1790) ----E--HI------PQ--------- Pa

Genus ***Zuphium*** LATREILLE 1806

Type species: *Carabus olens* ROSSI 1790

= *Zophium* GISTEL 1838 [nom. emend.]
= *Zoyphium* MOTSCHULSKY 1850 [nom. emend.]

Subgenus ***Zuphium*** LATREILLE 1806

Type species: *Carabsu olens* ROSSI 1790

1 (***olens (Zuphium)*** ROSSI 1790) ---D--GH-------P----------
= *longiusculum (Zuphium)* CHAUDOIR 1842
2 ***araxidis (Zuphium)*** KHNZORIAN 1972 --------I-----------------
3 ***testaceum (Zuphium)*** KLUG 1832 ---D-----------P----------
= *hauseri (Zuphium)* REITTER 1895

Subgenus ***Parazuphium*** JEANNEL 1942

Type species: *Zuphium chevrolati* CASTELNAU 1833

4 ***chevrolati (Zuphium)*** CASTELNAU 1833
ssp. ***schelkownikowi (Zuphium chevrolati, ssp.)*** CARRETT 1898 ------G--------PQ--------- Gc2Pab
5 ***turcomanicum (Zuphium)*** REITTER 1908 ---------------P---------- Pb
6 ***narzikulovi (Zuphium)*** MICHAILOV 1972 ----------------S-------

Subgenus ***Neozuphium*** H¬RKA 1982

Type species: *Zuphium bactrianum* K.DANIEL et J.DANIEL 1898

7 (***bactrianum (Zuphium)*** K.ARNOLDI et J.DANIEL et J.DANIEL 1898) ----------------Q--------- Qd

Subfamily *BRACHININAE*

Tribe *BRACHININI*

Genus ***Aptinus*** BONELLI 1810

Type species: *Brachinus mutilatus* FABRICIUS 1801

1 (***bombarda (Aptinus)*** ILLIGER 1800) A--D---------------------- Da
= (*mutilatus (Aptinus)* FABRICIUS 1801)
= *atratus (Aptinus)* DEJEAN 1825

Genus ***Brachinus*** F.WEBER 1801

Type species: *Carabus crepitans* LINNAEUS 1758

= *Brachynus* auct.
= *Brachynidius* REITTER 1919

Type species: *Carabus sclopeta* FABRICIUS 1792

= *Brachynolomus* REITTER 1919

Type species: *Brachinus immaculicornis* DEJEAN 1831

= *Cnecostolus* REITTER 1919

Type species: *Carabus exhalans* ROSSI 1792

1 ***klapperichi (Brachinus)*** JEDLIˆKA 1955[487] --------I--------RS------- Re
= *adelus (Brachinus)* KHNZORIAN 1973 **Syn. nov.**[488]
= *atripennis (Brachinus)* BALLION 1870 [non MOTSCHULSKY 1864, nec MARSHAM 1865]
2 ***aeneicostis (Brachinus)*** H.BATES 1883 ------------------------Y- S of Posyet Bay
3 ***alexandri (Brachinus)*** BATTONI 1984 ----EF---J----------------
4 ***bayardi (Brachinus)*** DEJEAN 1831 ------G-I------P-RS------- Gc2PaRe
= *biguttatus (Brachinus)* CHAUDOIR 1842
= *guttula (Brachinus)* CHAUDOIR 1842
5 ***berytensis (Brachinus)*** REICHE 1855 --------I-----------------
6 ***bipustulatus (Brachinus)*** QUENSEL 1806 ---DEFG-I------P---------- Gc2
= *biplagiatus (Brachinus)* QUENSEL 1806
= *emgei (Brachinus)* REITTER 1919
7 ***bodemeyeri (Brachinus)*** APFELBECK 1904 ----EF--I------P--S------- PaSc
= *aterrimus (Brachinus)* ILJIN 1925
8 ***brevicollis (Brachinus)*** MOTSCHULSKY 1844 ---DEFGHIJ-----PQRS-------
= *peregrinus (Brachinus)* APFELBECK 1904
= *coerulescens (Brachinus)* MOTSCHULSKY 1844
9 (***crepitans (Brachinus)*** LINNAEUS 1758) ABCDEFGHIJ---NOPQR-T------ Tb
= *strepitans (Brachinus)* DUFTSCHMID 1812
= *obscuricornis (Brachinus)* BRULLÉ 1834
= *fuscicornis (Brachinus)* KOLENATI 1845
= *scoteinus (Brachinus)* KOLENATI 1845
= *gracilis (Brachinus)* MOTSCHULSKY 1845
= *sulcatulus (Brachinus)* MOTSCHULSKY 1850
= *nigripennis (Brachinus)* LETZNER 1851
= *atripennis (Brachinus)* MOTSCHULSKY 1864
= *annulatus (Brachinus)* REITTER 1919
= *kirghis (Brachinus)* ILJIN 1925
? *altaicus (Brachinus)* MOTSCHULSKY 1864
10 ***costatulus (Brachinus)*** QUENSEL 1806 ---D-FGHI-----OPQRS-------
= *graecus (Brachinus)* sensu SOLSKY 1874
= *pravei (Brachinus)* LUTSHNIK 1926

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487 Possibly this species has been described earlier as *B. atripennis* Ball. and/or *B. infuscatipennis* Chaud. Prior to a restudy of the types, the problem is open to question (I. Belousov) .

488 A restudy of the type series of *B. klapperichi* Jedl. 1955 has revealed that *B. adelus* Khnzorian 1973 is its junior synonym (O.L. Kryzhanovskij) .

= *gottwaldi (Brachinus)* JEDLIˆKA 1966 **Syn. nov.**[489]
11 ***cruciatus (Brachinus)*** QUENSEL 1806 --CD-F--I-----OPQ-S-------
? *dilatipennis (Brachinus)* REITTER 1919
12 ***ejaculans (Brachinus)*** FISCHER von WALDHEIM 1829 A--D-FGHI-----OPQRS------- Gc2
= *kozak (Brachinus)* ILJIN 1923
13 ***elegans (Brachinus)*** CHAUDOIR 1842 A--DEFGH-J----O-----------
= *ganglbaueri (Brachinus)* APFELBECK 1904
14 (***exhalans (Brachinus)*** ROSSI 1792) ---D-FG-IJ----OPQ---------
= *caspius (Brachinus)* DEJEAN 1831
15 ***explodens (Brachinus)*** DUFTSCHMID 1812 ABCDEFGHIJ----OP-RST------ Tb
= *strepens (Brachinus)* FISCHER von WALDHEIM 1828
= *chalybaeus (Brachinus)* MOTSCHULSKY 1864
= *obscuricornis (Brachinus)* MÉNÉTRIÉS 1832
= *substriatulus (Brachinus)* REITTER 1919
= *tibialis (Brachinus)* MOTSCHULSKY 1850
= *brunnicornis (Brachinus)* MOTSCHULSKY 1864
= *seminiger (Brachinus)* REITTER 1919
= *nigrinus (Brachinus)* PORTA 1909
= (*fulviventris (Brachinus)* MOTSCHULSKY 1864) [part.]
16 ***hamatus (Brachinus)*** FISCHER von WALDHEIM 1828 ---D-FG-I----NOP--ST------
ssp. ***hamatus (Brachinus hamatus, ssp.)*** FISCHER von WALDHEIM 1828 ---D-FG-I----NOP--ST------ Tb
= *eversmanni (Brachinus hamatus, syn.)* MÉNÉTRIÉS 1832
= (*quadripustulatus (Brachinus hamatus, syn.)* ROSSI 1790)
= *quadrinotatus (Brachinus hamatus, syn.)* MÉNÉTRIÉS 1832
= *dentipennis (Brachinus hamatus, syn.)* MOTSCHULSKY 1850
= *quadripustulatus (Brachinus hamatus, syn.)* DEJEAN 1831
= *binotatus (Brachinus hamatus, syn.)* ZOUBKOFF 1833
ssp. ***quadripustulatus (Brachinus hamatus, ssp.)*** DEJEAN 1831 ---D----------O----T------
ssp. ***bogdanovi (Brachinus hamatus, ssp.)*** ZAMOTAILOV 1991 ---------------P----------
? *lewecki (Brachinus)* LIEBKE 1927
? *muchei (Brachinus)* JEDLIˆKA 1967
17 ***quadriguttatus (Brachinus)*** GEBLER 1829 ---D----------OPQ---------
18 ***nigricornis (Brachinus)*** GEBLER 1829 ---DEFG-I----NO--R--------
= *incertus (Brachinus)* BRULLÉ 1834
19 ***plagiatus (Brachinus)*** REICHE 1868 -----FGHI----------------- Gbc
20 ***psophia (Brachinus)*** SERVILLE 1821 ---DEFGHI----NOPQRS-------
= *elegans (Brachinus)* auct.
= (*fulviventris (Brachinus)* MOTSCHULSKY 1864) [part.]
21 (***sclopeta (Brachinus)*** FABRICIUS 1792) ---D---------------------- possible in SW Moldova and Odesskaya Area
= *suturalis (Brachinus)* KOLENATI 1845
22 ***stenoderus (Brachinus)*** H.BATES 1873 ----------------------V--Y-
23 ***macrocerus (Brachinus)*** CHAUDOIR 1876 ------------------------Y-
= *longicornis (Brachinus)* MOTSCHULSKY 1860 [non FAIRMAIRE 1859]
= *sutshanensis (Brachinus)* JEDLIˆKA 1963
24 ***tianshanicus (Brachinus)*** MICHAILOV 1976 -----------------R-------- Re
ssp. ***tianshanicus (Brachinus tianshanicus, ssp.)*** MICHAILOV 1976 -----------------R-------- Re: valleys of Pskem and Ugam riv.
ssp. ***tashkenticus (Brachinus tianshanicus, ssp.)*** KIRSCHENHOFER 1986 -----------------R-------- Re: W Chatkalsky & Kuraminsky Mt.r.
ssp. ***aktashiensis (Brachinus tianshanicus, ssp.)*** KIRSCHENHOFER 1986 -----------------R-------- Re: W of Talassky, Karzhantau Mt.r.
25 ***kryzhanovskii (Brachinus)*** BELOUSOV et KABAK 1992 -----------------R-------- Re: NW Fergansky Mt.R.: Karakuldzha Riv.
? *turkestanicus (Brachinus)* LIEBKE 1928

Genus ***Mastax*** FISCHER von WALDHEIM 1827

Type species: *Brachinus thermarum* STEVEN 1806

1 (***thermarum (Mastax)*** STEVEN 1806) ---D-F--I-----OP-RS-U---Y-
ssp. (***thermarum (Mastax thermarum, ssp.)*** STEVEN 1806) ---D-F--I-----OP-RS-U-----
var. *ruficeps (Mastax thermarum, var.)* MOTSCHULSKY 1850
ssp. ***egorovi (Mastax thermarum, ssp.)*** LAFER 1973 ------------------------Y-

Genus ***Pheropsophus*** SOLIER 1833

Type species: *Brachinus senegalensis* DEJEAN 1825

1 (***javanus (Pheropsophus)*** DEJEAN 1825) ------------------------Y-

Tribe *PAUSSINI*

Genus ***Paussus*** LINNAEUS 1775

Type species: *Paussus microcephalus* LATREILLE 1810

28 ***turcicus (Paussus)*** E.FRIVALDSZKY 1885 ------G--------PQRS------- Transcaucasia and Middle Asia

489 A restudy of a paratype (kept in MNP) , m, labelled Kazakhstan oc. Dzhanbul Gottwald leg.; *Brachinus gottwaldi* sp.n. det. Ing. Jedliˆka; Paratypus, has allowed to establish the synonymy *Brachinus costatulus* Quens. 1806 = *B. gottwaldi* Jedl. 1966 (I. Kabak) .

2.5 Overview of generic distributions*

	Regions																								
Genus	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Megacephala	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cicindela	5	4	6	23	4	14	15	6	12	7	-	1	5	12	13	22	12	9	11	15	12	10	2	1	9	6
Omophron	1	1	1	1	-	1	1	1	-	-	-	-	-	1	2	1	-	1	1	-	-	-	-	-	1	-
Pelophila	-	1	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	1	1	1	1	1	-
Leistus	5	3	2	2	2	2	10	4	1	1	2	1	1	1	-	-	1	10	2	4	2	2	-	-	2	1
Nebria	8	4	3	1	1	2	16	7	4	3	4	2	2	1	-	-	1	15	5	14	8	13	6	9	13	5
Notiophilus	5	7	6	7	6	5	7	5	3	2	6	4	4	3	3	2	-	8	1	6	5	5	1	2	4	3
Calosoma	2	4	5	6	4	4	3	3	3	2	1	1	4	4	4	6	2	5	2	4	2	2	1	-	5	4
Callisthenes	-	-	-	1	-	-	1	1	2	-	-	-	-	1	1	2	-	7	2	2	-	-	-	-	-	-
Carabus	18	21	22	26	9	11	93	24	10	5	21	11	10	17	5	7	2	65	20	39	27	27	14	9	30	15
Cychrus	3	1	1	2	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Diacheila	-	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	1	2	2	2	2	2	1
Blethisa	-	1	1	1	-	-	-	-	-	-	2	1	1	2	2	-	-	-	-	2	2	2	2	2	1	1
Elaphrus	5	5	4	6	-	3	4	-	-	-	6	3	4	4	4	-	-	4	1	9	8	7	8	6	8	3
Loricera	1	1	1	1	-	-	-	-	-	-	1	1	1	1	-	-	-	1	-	1	1	1	1	1	1	1
Siagona	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Cymbionotum	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-
Scarites	-	-	-	4	1	6	3	4	4	-	-	-	-	2	2	9	2	1	5	1	-	-	-	-	1	-
Clivina	2	2	2	4	2	4	2	1	3	2	1	1	1	2	3	2	1	3	2	1	1	1	1	1	1	1
Coryza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-
Orientoreicheia	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dyschirius	4	3	3	5	2	5	1	2	2	1	-	-	2	2	5	5	3	1	1	3	2	2	1	-	-	-
Dyschiriodes	13	12	16	31	4	24	10	6	15	4	5	3	8	15	20	28	16	12	12	15	12	13	7	3	12	5
Reicheiodes	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clivinopsis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Broscus	1	1	1	2	1	1	1	1	1	1	1	-	-	2	1	3	2	2	2	1	1	-	-	-	-	-
Eobroscus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Craspedonotus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1
Miscodera	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	1	1	1	1	-
Broscosoma	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apotomus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Perileptus	1	-	-	1	1	-	1	1	1	1	-	-	-	-	1	2	-	1	1	1	-	-	-	-	1	-
Neoblemus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Thalassophilus	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Aepiblemus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Trechoblemus	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Oroblemites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Pseudanophthalmus	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* The calculations refer to the number of species per genus per region and include unpublished data as well. Thus the total number of species exceeds that given in the Checklist.

Genus	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Blemus	-	1	1	1	1	1	1	-	-	-	-	-	1	1	1	-	-	-	-	1	1	-	-	-	1	1
Nannotrechus	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cimmerites	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Troglocimmerites	-	-	-	-	-	-	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taniatrechus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jeannelius	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaphaenops	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meganophtalmus	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duvalius	5	-	-	-	-	-	6	3	1	-	-	-	-	-	-	1	-	7	-	-	-	1	-	-	-	-
Inotrechus	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masuzoa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Epaphiopsis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
Trechiama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Epaphius	1	2	2	1	1	1	1	-	-	1	1	1	2	1	-	-	-	-	-	3	2	1	-	-	5	1
Trechus	14	2	4	3	2	1	100	18	8	4	1	-	2	1	1	2	1	55	6	26	2	5	1	1	4	2
Tachys	1	1	2	7	5	6	6	-	5	-	-	-	-	1	6	11	5	5	2	1	1	-	-	-	2	-
Polyderis	-	-	-	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Elaphropus	4	-	-	3	1	3	7	3	7	1	-	-	-	-	1	4	4	1	2	1	-	1	-	-	3	2
Porotachys	1	1	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tachyta	1	1	1	1	1	1	1	1	1	1	-	1	1	-	-	-	-	1	-	1	2	1	2	-	1	1
Lymnastis	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Asaphidion	3	2	2	2	2	3	4	2	1	1	-	-	1	2	1	1	-	2	3	2	2	2	-	-	3	-
Ocys	1	1	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cillenus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Bembidion	52	56	49	51	24	36	87	50	41	22	34	34	38	30	18	38	16	54	57	69	70	62	30	16	49	17
Cardioderus	-	-	-	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-
Pogonus	-	-	1	11	-	7	1	-	1	-	-	-	1	2	11	12	-	-	-	5	4	6	1	-	2	-
Pogonistes	-	-	-	3	-	3	1	-	2	-	-	-	-	1	3	4	2	-	-	2	-	-	-	-	-	-
Bedeliolus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Patrobus	4	3	3	1	-	-	1	-	-	-	2	2	2	1	-	-	-	-	-	4	2	1	1	3	1	-
Diplous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1	-	2	1
Deltomerus	1	-	-	-	-	-	38	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Platydiolus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-
Nomius	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morion	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stomis	1	1	1	1	-	1	1	2	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Abacetus	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poecilus	5	4	4	13	6	10	4	1	8	1	4	-	3	8	10	16	5	31	14	13	8	8	3	2	7	4
Pterostichus	26	28	18	23	8	17	88	21	6	4	28	25	16	17	13	9	1	15	15	52	54	35	38	28	63	11
Aphaonus	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Abax	5	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molops	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calathus	8	6	6	9	8	8	25	9	13	2	3	2	3	4	4	5	1	3	3	5	3	3	-	-	4	1
Thermoscelis	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudotaphoxenus	-	-	-	3	-	1	-	-	-	-	-	-	1	4	7	8	5	24	21	6	3	3	-	-	1	-
Stenolepta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
Taphoxenus	-	-	1	1	-	1	1	1	1	1	-	-	-	1	2	3	2	2	1	1	-	-	-	-	-	-
Reflexisphodrus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Sphodrus	1	1	1	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eremosphodrus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-
Laemostenus	1	1	1	2	5	1	11	3	9	3	-	1	-	-	-	1	-	7	8	-	-	-	-	-	-	-
Sericoda	1	2	2	-	-	-	-	-	-	-	2	2	2	1	-	-	-	1	-	2	2	1	2	2	1	2
Agonum	18	21	19	21	6	13	10	3	6	-	15	7	13	17	12	4	1	7	5	19	19	20	8	12	20	12
Platynus	4	5	5	4	1	1	3	1	-	-	3	2	3	2	2	1	-	4	-	4	2	2	1	1	4	2
Paranchus	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxypselaphus	1	1	1	1	-	1	1	-	-	-	1	1	1	1	1	-	-	1	-	1	-	-	-	-	-	-
Anchomenus	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	-	1	1	1	-	1	-	-	1	-
Anchodemus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlaeniomimus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Anchagonum	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Nipponanchus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Eucolpodes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Gyrochaetostylus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Metacolpodes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-
Dicranoncus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Olisthopus	1	1	2	2	-	2	2	-	-	-	-	-	-	-	1	-	-	1	-	1	1	1	-	-	1	1
Atranus	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Synuchus	1	1	1	1	1	1	1	-	-	-	2	-	1	1	1	-	-	1	1	2	2	2	-	1	10	6
Platyderus	1	-	-	1	-	-	1	-	2	-	-	-	-	-	-	1	1	1	2	-	-	-	-	-	-	-
Pristosia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	2

Genus	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Amara	37	32	33	49	17	27	39	10	22	11	35	18	33	35	34	32	5	38	29	56	53	44	21	18	43	17
Harpalodema	-	-	-	4	-	1	-	-	-	-	-	-	-	-	2	9	3	1	1	1	-	-	-	-	-	-
Phanerodonta	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	1	1	-	-	-	-	-	-	-	-
Cribramara	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	1	-	-	-	-	-	-
Curtonotus	2	5	2	10	-	5	1	1	2	-	7	2	6	8	11	5	-	24	11	20	13	15	11	5	8	-
Polysitamara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Zabrus	-	-	-	2	2	2	6	2	5	1	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-
Anisodactylus	2	2	3	2	2	5	3	3	2	2	2	1	3	2	2	2	1	2	-	3	2	1	-	-	2	1
Gynandromorphus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diachromus	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Bradycellus	2	4	3	3	1	2	3	3	1	1	-	-	1	1	-	-	-	1	-	4	3	2	-	2	7	3
Dicheirotrichus	-	5	2	6	4	6	2	-	6	-	2	-	2	6	7	11	5	8	6	6	5	4	4	2	5	1
Lioholus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Stenolophus	2	3	5	7	7	7	7	7	6	5	-	-	1	2	6	8	2	4	1	2	-	1	-	-	3	2
Hemiaulax	-	-	-	1	-	1	-	-	1	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-	-
Loxoncus	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
Acupalpus	5	3	7	11	6	9	9	4	7	1	1	-	-	4	6	6	2	2	2	5	2	1	-	-	5	2
Anthracus	1	-	1	3	1	3	2	1	1	-	-	-	-	1	2	1	-	-	-	1	-	-	-	-	-	-
Daptus	-	-	-	2	1	1	-	-	-	-	-	-	1	1	1	3	-	-	-	-	-	-	-	-	-	-
Trichotichnus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2
Nipponoharpalus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Parophonus	1	-	-	3	3	4	1	2	3	-	-	-	-	-	-	6	1	1	-	-	-	-	-	-	-	-
Harpalobrachys	-	1	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	1	1	1	1	1	1	1
Harpalus	21	13	30	65	41	42	33	25	41	6	16	4	12	31	42	25	16	51	30	59	49	46	19	6	48	16
Neophygas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-
Microderes	-	-	-	1	-	1	-	-	1	-	-	-	-	-	2	2	1	3	11	1	1	-	-	-	-	-
Pangus	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Acinopus	-	-	-	2	3	2	2	-	4	-	-	-	-	-	-	5	3	1	1	-	-	-	-	-	-	-
Bleusea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Ophonus	6	6	7	19	22	17	19	10	19	2	-	-	-	5	10	3	8	8	2	6	1	2	-	-	1	-
Penthophonus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Penthus	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Liochirus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
Graniger	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eucarterus	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oedesis	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Carterus	-	-	-	-	2	2	1	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Tschitscherinellus	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ditomus	-	-	-	2	2	2	1	-	1	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-
Dixus	-	-	-	2	2	2	2	-	3	-	-	-	-	-	1	-	1	2	2	-	-	-	-	-	-	-
Proditomus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eocarterus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-
Bronislavia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Carenochyrus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
Machozethus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1	-	-	-	-	-	-	-
Chilotomus	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-
Amblystomus	-	-	-	1	1	1	-	-	3	1	-	-	-	-	1	1	2	1	1	-	-	-	-	-	-	-
Perigona	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Panagaeus	2	2	2	2	1	2	-	-	-	-	-	-	-	1	-	1	-	1	1	1	1	-	-	-	2	-
Tinoderus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Peronomerus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Callistus	1	-	1	1	1	1	1	1	1	-	-	-	-	-	1	1	-	1	-	1	1	-	-	-	-	-
Eochlaenius	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Epomis	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dinodes	1	-	-	1	2	2	2	1	3	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Chlaenius	5	6	8	16	5	8	8	3	10	1	3	1	3	7	9	13	4	10	10	8	7	6	1	-	13	3
Oodes	2	1	2	3	-	2	2	1	1	-	1	-	1	1	3	4	-	1	1	1	1	-	-	-	3	-
Diplocheila	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-
Licinus	2	1	1	2	3	3	2	-	1	-	-	-	1	1	-	1	-	1	-	2	-	1	-	-	2	-
Derostichus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colpostoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	-	-	-	-	-	-	-
Badister	6	6	9	7	3	5	2	2	3	-	2	-	3	7	3	4	-	3	-	3	2	1	-	-	3	2
Masoreus	-	-	-	1	-	1	1	-	1	-	1	-	-	1	1	1	1	1	-	1	1	1	-	-	-	-
Mnuphorus	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	7	-	1	-	-	-	-	-	-	-	-
Tetragonoderus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Corsyra	-	-	-	1	-	1	-	-	-	-	-	-	-	1	1	1	-	1	-	1	1	1	-	-	-	-
Discoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Pentagonica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Odacantha	1	1	1	1	1	1	1	1	1	-	-	-	-	1	1	1	-	-	1	1	-	-	-	-	1	-

Genus	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Rhopalostyla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-
Lionedya	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-
Lachnolebia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Lebia	5	2	3	9	5	7	7	6	8	-	-	-	2	3	6	7	4	11	7	5	2	1	-	-	5	2
Daer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	-
Lebidia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Parena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1
Glycia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Cymindoidea	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
Demetrias	3	-	1	3	2	2	2	1	2	-	-	-	-	1	2	2	-	1	-	1	-	-	-	-	2	-
Dromius	5	6	7	3	1	-	1	1	2	-	4	-	3	3	-	1	1	-	-	3	4	2	1	-	5	3
Paradromius	1	2	2	3	-	2	2	-	-	-	-	1	1	2	-	-	1	3	-	1	2	2	1	1	1	1
Philorhizus	3	3	4	5	2	3	4	3	1	-	-	-	-	1	2	2	-	4	3	1	1	1	1	1	1	-
Syntomus	3	3	2	4	1	4	4	-	3	1	1	-	3	4	2	5	-	3	3	4	5	5	1	-	3	-
Metadromius	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Charopterus	-	-	-	1	-	-	1	-	1	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-
Microlestes	2	2	3	10	7	6	7	6	10	3	2	1	1	4	10	12	5	9	12	4	3	1	-	-	1	-
Lionychus	1	-	-	2	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apristus	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	2	2	2	3	-	1	1	-	1	-
Xanthomelina	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microdaccus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Somotrichus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plochionus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymindis	2	4	4	21	4	7	3	-	5	-	1	1	5	7	18	25	2	17	15	18	8	7	3	1	3	2
Petrimagnia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Agatus	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	3	1	1	-	-	-	-	-	-	-
Merizomena	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4	1	1	3	-	-	-	-	-	-	-
Trichis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Anomotarus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Anthia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Drypta	-	-	-	1	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Polystichus	-	-	-	1	1	-	1	2	2	-	-	-	-	1	1	2	2	1	-	1	-	-	-	-	-	-
Zuphium	-	-	-	2	-	-	1	1	1	-	-	-	-	-	-	3	1	-	1	-	-	-	-	-	-	-
Aptinus	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brachinus	4	2	3	14	9	15	13	8	16	6	-	-	-	4	11	13	8	11	10	3	-	1	-	-	3	-
Mastax	-	-	-	1	-	1	-	-	1	-	-	-	-	-	1	1	-	1	1	-	1	-	-	-	1	-
Pheropsophus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Paussus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-

2.6 References to preimaginal stages

CARABIDAE		Emden, 1919: *D1b L1-3*; Znojko, 1926: *D1b L1-3*; Böving, Craighead, 1930: *MD1a L1-3*; Emden, 1942: *SMDV1a L1-3*; Sharova, 1958: *MSD2a L1-3*; Sharova, 1964: *MD2a L1-3*; Hurka, 1978: *D1b L1-3*; Arndt, 1991: *S3a L1-3*; Luff, 1993: *MD3a L1-3*; Arndt, 1993: *MD3a L1-3*; Makarov, 1994: *M3b L1-3*
CICINDELINAE		Böving, Craighead, 1930: *I1b L1-3;* Sharova, 1964: *D2a L1-3;* Hurka, 1978: *D1b L-3*
MEGACEPHALINI		
Megacephala Latr.		Hurka, 1978: *I1b L 2-3;* Sharova, 1964: *I1b L 2-3*
	(Grammognatha) euphratica Dej.	Sharova, 1964: *I1b L2-3*
CICINDELINI		Böving, Craighead, 1930: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
Cicindela L.		Larsson, 1941: *SI1a L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *SI1b L1-3;* Arndt, 1991: *ID2a L1-3;* Luff, 1993: *RDI1b L1-3*
	(Eumecus) germanica L.	Ghilarov, Sharova, 1954: *S3a L1-3;* Sharova, 1964: *I1b L1-3;* Putshkov, 1990: *R3a L1-3;* Arndt, 1991: *I2b L1-3;* Luff, 1993: *I1b L3;* Putshkov, Cassola, 1994: *DI2a L3*
	obliquefasciata Ad.	Putshkov, Cassola, 1994: *SDI2a L3*
Cicindela	*(Myriochile Motsch.)*	Putshkov, 1993: *I3b L1-3*
	(Myriochile) melancholica F.	Serrano, 1987: *SM3a L1-3;* Serrano, 1990: *SDIVM3a OL1-3P;* Putshkov, Cassola, 1994: *DI2a L3*
	orientalis Dej.	Putshkov, Cassola, 1994: *SDI2a L3*
	(Cephalota Dokht.)	Putshkov, 1993: *I3b L1-3*
	(Cephalota) deserticola Fald.	Putshkov, Cassola, 1994: *SDI2a L3*
	elegans Fisch.	Putshkov, Cassola, 1994: *SDI2a L3*
	besseri Dej.	Putshkov, Cassola, 1994: *SDI2a L3*
	atrata Pall.	Sharova, 1964: *I1b L*
	chiloleuca Fisch.	Sharova, 1964: *I1b L2-3*
	(Cicindina Adam & Merkl)	Putshkov, 1993: *I3b L1-3*
	(Cicindina) arenaria Fuess.	Arndt, 1991: *I2b L1-3*
	arenaria ssp. viennensis Schrank	Putshkov, 1990: *S3a L1-3*
	sublacerata Sols.	Putshkov, Cassola, 1994: *SDI2a L3*
	trisignata Dej.	Serrano, 1990: *SDIVM3a OL1-3P*
	litterifera Chaud.	Putshkov, Cassola, 1994: *SDI2a L3*
	elisae Motsch.	Kurosa, 1959: *S1b L?3*
	(Lophyridia Jeann.)	Putshkov, 1993: *I3b L1-3*
	(Lophyridia) littoralis F.	Sharova, 1964: *I1b L2-3;* Serrano, 1990: *RDIVM3a OL1-3P;* Putshkov, Cassola, 1994: *DI2a L3*
	littoralis ssp. nemoralis Ol.	Putshkov, 1990: *S3a L1-3*
	fischeri Ad.	Putshkov, Cassola, 1994: *SDI2a L3*
	sturmi Men.	Putshkov, Cassola, 1994: *SDI2a L3*
	(Cicindela L.)	Putshkov, 1993: *D3b L1-3*
	(Cicindela) hybrida L.	Schi └dte, 1867: *S L;* Larsson, 1941: *IS1b L2-3;* Ghilarov, Sharova, 1954: *R3a L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I2b L1-3;* Luff, 1993: *RDI1b L1-3;* Putshkov, 1993: *I3b L1-3*
	hybrida ssp. sahlbergi Fisch.	Sharova, 1964: *I1b L2-3;* Arndt, 1991: *I2b L1-3*
	maritima Dej.	Larsson, 1941: *I1b L1-3;* Putshkov, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*

restricta Fisch.	Putshkov, 1993: *I3b L1-3*
transbaicalica Motsch.	Kurosa, 1959: *S1b L?3*
sachalinensis Mor.	Kurosa, 1959: *S1b L?3*
soluta Latr. & Dej.	Sharova, 1964: *I1b L1-3;* Putshkov, 1991: *R2aI L1-3;* Putshkov, 1993: *I3b L1-3*
nordmanni Chaud.	Putshkov, 1991: *R2aI L1-3;* Putshkov, 1993: *I3b L1-3*
granulata Gebl.	Putshkov, Cassola, 1994: *SDI2a L3*
lacteola Pall.	Putshkov, Cassola, 1994: *SDI2a L3*
campestris L.	Paulian, Villers, 1939: *S1b L?3;* Larsson, 1941: *IS1b L1-2;* Ghilarov, Sharova, 1954: *S3a L1-3;* Sharova, 1964: *I1b L1-3;* Serrano, 1990: *RDIVM3a OL1-3P;* Arndt, 1991: *I2b L1-3;* Putshkov, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3;* Putshkov, Cassola, 1994: *DI2a L3*
desertorum Dej.	Putshkov, 1993: *I3b L1-3*
asiatica Aud. & Brulle	Putshkov, Shilenkov, 1992: *S3a L2-3;* Putshkov, 1993: *I3b L1-3;* Putshkov, Cassola, 1994: *DI2a L3*
clypeata Fisch.	Putshkov, Cassola, 1994: *SDI2a L3*
OMOPHRONINAE	Böving, Craighead, 1930: *I1b L?2-3;* Hurka, 1978: *I1b L1-3*
OMOPHRONINI	Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Omophron Latr.	Schaut, 1859: *S1b L (O.tesselatum);* Znojko, 1929b: *I1b L1-3;* Böving, Craighead, 1930: *M1b L (O. ?nitidus);* Silvey, 1936: *S1b L (O.tesselatum);* Gardner, 1938: *S1b L?3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *D1b L1-3;* Landry, Bousquet, 1984: *R3a L1-3;* Arndt, 1991: *D2a L1-3;* Makarov, 1994: *I3b L1-3*
(Omophron) limbatus F.	Desmarest, 1804: *S1b L?2-3;* Schi └dte, 1867: *S1b L?3;* Ganglbauer, 1892: *S1b L3;* Reitter, 1908: *S1b L?3;* Rousseau, 1909: *S1b L?3;* Raynaud, 1936a: *S1b L2-3;* Jeannel, 1941: *I1b L1-3;* Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *S2a L3;* Arndt, 1991: *I3a L1-3*
CARABINAE	Böving, Craighead, 1930: *I1b L1-3;* Hurka, 1978: *I1b L1-3*
NEBRIINI	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Pelophila Dej.	Znojko, 1929b: *I1b L2-3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1972: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RI1b L1-3;* Makarov, 1994: *I3b L1-3*
borealis Payk.	Johnson, Carpenter, 1898: *S1b L2-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Andersen, 1970: *MSD1a L1-3;* Luff, 1972: *IS1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
Leistus Froel.	Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1972: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RI1b L1-3;* Makarov, 1994: *I3b L1-3*
(Pogonophorus) rufomarginatus Duft.	Larsson, 1941: *IS1b L1-3;* Luff, 1972: *IS1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
spinibarbis F.	Luff, 1972: *IS1b L2-3;* Arndt, 1991: *I3a L1-3*
montanus Steph.	Luff, 1972: *IS1b L1*
(Leistus) ferrugineus L.	Larsson, 1941: *IS1b L1-3;* Luff, 1972: *IS1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
terminatus Hellw.	Larsson, 1941: *IS1b L (rufescens);* Luff, 1972: *IS1b L1-3 (rufescens);* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
Nebria Latr.	Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1972: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RI1b L1-3;* Makarov, 1994: *I3b L1-3*
(Eunebria) jokischi Sturm	Xambeau, 1907: *S1b L?3;* Sustek, 1993: *S3aI2b L3*
(Paranebria) livida L.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Kurosa, 1959: *S1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1972: *IS1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Sustek, 1993: *I2b L3*
(Boreonebria) rufescens Ström	Larsson, Gigji, 1959: *S1b L1-3;* Andersen, 1970: *MSD1a L1-3;* Luff, 1972: *IS1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Sustek, 1993: *I2b L3;* Luff, 1993: *RDI1bL 1-3*
nivalis Payk.	Larsson, Gigji, 1959: *S1b L1-3;* Andersen, 1970: *SDM1a L1-3;* Luff, 1993: *RDI1b L3*
(Nebria) brevicolis F.	Blisson, 1848: *S1b L1-3;* Schi └dte, 1867: *S1b L1-3;* Raynaud, 1935c: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1972: *IS1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Sustek, 1993: *I2b L3;* Luff, 1993: *RDI1bL 1-3*
NOTIOPHILINI	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Notiophilus Dum.	Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
(Notiophilus) aquaticus L.	Schi └dte, 1867: *S1b L?3;* Larsson, 1941: *IS1b L2-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
aestuans Motsch.	Larsson, 1941: *IS1b L?2-3 (pusillus)*
palustris Duft.	Larsson, 1941: *IS1b L?2-3;* Sharova, 1958: *I1b L?2-3;* Sharova, 1964: *I1b L?2-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
germinyi Fauv.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Latviaphilus) biguttatus F.	Schi └dte, 1867: *S1b L3;* Manson, 1890: *S1b L?3 (as Stenus sp.);* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
substriatus Waterh.	Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *SDI1b L3*
(Makarovius) rufipes Curt.	Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
CARABINI	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *D2a 1-3;* Makarov, 1994: *I3b L1-3*
Calosoma Web.	Lapouge, 1905: *D1b L1-3;* Burgess, Collins, 1917: *D1b L1-3;* Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *D2a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
Calosoma(Calosoma Web.)	Sharova, 1957: *I1b L1-3*
(Calosoma) sycophanta L.	Lapouge, 1908: *S1b L3;* Burgess, Collins, 1917: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Acalosoma) inquisitor L.	Lapouge, 1908: *S1b L2-3;* Cook, 1936: *S1b L?3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Iablokoff-Khnzorian, 1965: *S1b L3;* Luff, 1969: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Campalita) auropunctatum Hbst.	Houlbert, Monnot, 1905-08: *M1b L3;* Lapouge, 1929: *I1b L2-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
auropunctatum ssp. dzungaricum Gebl.	Mikhailov, Dzhabarova, 1982: *S1b L2-3*
maderae F.	Lapouge, 1908: *S1b L2-3;* Lapouge, 1929: *I1b L2-3;* Luff, 1993: *RDI1b L1-3*
chinense Kirby	Lapouge, 1908: *S1b L1-3;* Lapouge, 1929: *I1b L1-3;* Kurosa, 1959: *S1b L?3;* Habu, Sadanaga, 1965: *IS3a L1-3*
(Caminara) imbricatum Klug	Lapouge, 1929: *I1b L2?3*
denticolle Gebl.	Sharova, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3*
(Charmosta) investigator Ill.	Sharova, 1957: *I1b L1-3 (denticolle);* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
Callisthenes Fisch.	Makarov, 1994: *I3b L1-3*

(Callisthenes) breviusculus Mnnh. Iablokoff-Khnzorian, 1962: *S1b L3*
elegans Kirsch Shilenkov, Berlov, 1987: *S2a L1-3*
regelianus Mor. Mikhailov, Dzhabarova, 1982: *S1b L2-3*
(Callisphaena) reticulatus F. Burgess, Collins, 1919: *S1b L?2;* Larsson, 1941: *SID1b L2-3;* Luff, 1993: *RDI1b L1-3*
Carabus L. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1b L1-3;* Hurka, 1971: *I1bD2b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1985: *D2b L1-3;* Arndt, 1991: *D2a L1-3;* Makarov, 1993: *SV3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
Carabus(Acrocarabus Lap.) Makarov, 1993: *I3b L1-3*
(Eucarabus Geh.) Makarov, 1993: *I3b L1-3*
(Eucarabus) arvensis Hbst. Lapouge, 1907: *S1b L1-3;* Bengtsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sturani, 1962: *D1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2a L1-3;* Hurka, 1971: *I1bD2b L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
arvensis ssp. conciliator Fisch. Berlov, Berlov, 1984: *V L1-3*
cumanus Fisch. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3*
ullrichi Germ. Lapouge, 1906: *S1b L2-3;* Lapouge, 1908: *S1b L3;* Verhoeff, 1917a: *M1a L3;* Verhoeff, 1917b: *I1a L1-3;* Verhoeff, 1921: *M1a L2-3;* Lapouge, 1929: *I1b L1-3;* Emden, 1942: *M1a L1-3;* Stiprais, 1961: *M1a L1;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
obsoletus Sturm Stiprais, 1964: *M1b L1;* Hurka, 1970: *S2a L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
auratus L. Snellen, 1860: *M1b L3;* Lapouge, 1905: *S1b L2-3;* Lapouge, 1907: *S1b L2-3;* Lengerken, 1920: *M1b L1-3;* Verhoeff, 1921: *L1-3;* Lengerken, 1921: *M1b L1-3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Raynaud, 1939: *S1b L1;* Emden, 1942: *M1a L;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *I1b L3*
cancellatus Ill. Lapouge, 1905: *S1b L1-3;* Houlbert, Monnot, 1905-08: *M1b L?2;* Lapouge, 1907: *S1b L1-3;* Verhoeff, 1917b: *I1b L1-3;* Verhoeff, 1921: *M1b L1-3;* Kirchner, 1927: *MV1a OL1-3P;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Jeannel, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M L1-3;* Sturani, 1962: *D1b L1-3;* Sharova, 1964: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Carabus L.) Makarov, 1993: *I3b L1-3*
(Carabus) granulatus L. Schi ┗dte, 1876: *S1b L3;* Lapouge, 1905: *S1b L2;* Lapouge, 1908: *S1b L2-3;* Verhoeff, 1917a: *M1a L1-3;* Verhoeff, 1917b: *I1b L1-3;* Verhoeff, 1921: *M1a L1-3;* Oertel, 1924: *MV1aOL1-3P;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sturani, 1962: *D1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Berlov, Berlov, 1984: *V L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I1aS2a L1-3;* Luff, 1993: *RDI1b L1-3*
menetriesi Fald. Hurka, 1970: *S2a L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *I1b L3*
(Morphocarabus Geh.) Makarov, 1993: *I3b L1-3*
(Morphocarabus) spasskianus Fisch. Berlov, Berlov, 1984: *V L1-3;* Berlov, 1989: *S1a P*
henningi Fisch. Berlov, Berlov, 1984: *V L1-3*
odoratus Motsch. Berlov, Berlov, 1984: *V L1-3*
michailovi Kabak Kabak, Makarov, 1992: *S3a L3*
hampei Kust. Koval', 1989: *S2b L1-3*
scheidleri Panz. Lapouge, 1907: *I1b L2-3;* Lapouge, 1929: *I1b L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I1b L1-3*
zawadskyi Kr. Stiprais, 1961: *M1b L3P*
(Trachycarabus Geh.) Makarov, 1993: *I3b L1-3*
(Trachycarabus) besseri Fisch. Raynaud, 1966: *S1b L?3*
campestris Fisch. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3*
scabriusculus Ol. Hurka, 1970: *S2a L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
estreicheri Fisch. Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3*
latreillei Fisch. Berlov, Berlov, 1984: *V L1-3*
(Cryptocarabus Rtt.) Makarov, 1993: *I3b L1-3;* Makarov, Berlov, 1993: *D3a L1-3*
(Cryptocarabus) lindemanni Ball. Makarov, Berlov, 1993: *SIV3a L1-3*
subparallelus Ball. Makarov, Berlov, 1993: *SIV3a L1-3*
(Cyclocarabus Rtt.) Makarov, 1993: *I3b L1-3 (err.)*
(Mimocarabus Geh.) Makarov, 1993: *I3b L1-3;* Makarov, Atamuradov, 1994: *D3a L1-3*
(Mimocarabus) maurus Ad. Lapouge, 1929: *I1b L3;* Makarov, Atamuradov, 1994: *I3b L1-3*
roseni Rtt. Makarov, Atamuradov: *1994 SI3a OL1-3*
(Archicarabus Seidl.) Makarov, 1993: *I3b L1-3*
(Archicarabus) nemoralis O.Mull. Heer, 1836: *S1b L3;* Schi ┗dte, 1867: *S1b L1;* Gehin, 1879: *S1b L3;* Kolbe, 1879: *S1b L3;* Zang, 1901: *S1b L3;* Weber, 1904: *S1b L3;* Lapouge, 1905: *S1b L2-3;* Lapouge, 1908: *S1b L3;* Verhoeff, 1917b: *I1b L1-3;* Verhoeff, 1921: *S1b L1-3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Delkeskamp, 1930: *M1a L;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M L1-3;* Sturani, 1962: *D1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2a L1-3;* Raynaud, 1969a: *S1b L3;* Raynaud, 1969b: *S1b L3;* Raynaud, 1969c: *S1b L3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Limnocarabus Geh.) Makarov, 1993: *I3b L1-3*
(Limnocarabus) clathratus L. Schi ┗dte, 1867: *S1b L2-3;* Lapouge, 1905: *S1b L3;* Lapouge, 1907: *S1b L3;* Verhoeff, 1917b: *I1b L2-3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sturani, 1962: *D1b P;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2a L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Homoeocarabus) maeander Fisch. Lapouge, 1929: *I1b L3;* Lindroth, 1955: *S1b L?3;* Berlov, Berlov, 1984: *V L1-3;r* *(Hemicarabus Geh.)* Makarov, 1993: *I3b L1-3*
(Hemicarabus) nitens L. Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2a L1-3;* Hurka, 1971: *I1bS2a L1-2;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Aulonocarabus Rtt.) Makarov, 1993: *I3b L1-3*
(Aulonocarabus) truncaticollis Esch. Lapouge, 1907: *S1b L3;* Lapouge, 1929: *I1b L3*
(Leptocarabus Geh.) Makarov, 1993: *I3b L1-3 (err.)*
(Diocarabus Rtt.) Makarov, 1993: *I3b L1-3*
(Diocarabus) slovtzovi Mnnh. Berlov, Berlov, 1984: *V L1-3*
(Pachycarabus Geh.) Makarov, 1993: *I3b L1-3*
(Orinocarabus Kr.) Makarov, 1993: *I3b L1-3*
(Orinocarabus) linnei Panz. Verhoeff, 1921: *M1b L3;* Lapouge, 1929: *I1b L2-3;* Hurka, 1970: *S2a L2-3;* Hurka, 1971: *I1bS2a L2-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
silvestris Panz. Letzner, 1854: *S1b L?3;* Lapouge, 1908: *S1b L?3;* Verhoeff, 1921: *M1b L3;* Lapouge, 1929: *I1b L3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
(Hadrocarabus Thoms.) Makarov, 1993: *I3b L1-3*
(Hadrocarabus) problematicus Hbst. Fauvel, 1889: *S1b L3;* Lapouge, 1905: *S1b L3;* Lapouge, 1906: *S1b L3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Luff, 1969: *I1bS2b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I1a L1-3;* Luff, 1993: *RDI1b L1-3;r* *(Oreocarabus Geh.)* Makarov, 1993: *I3b L1-3*

(Oreocarabus) glabratus Payk.	Schi└dte, 1867: *S1b L3;* Lapouge, 1905: *S1b L2;* Lapouge, 1907: *S1b L3;* Lapouge, 1908: *S1b L3;* Bentsson, 1927: *I1bS1a L3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sturani, 1961: *M1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
hortensis L.	Heer, 1836: *S1b L3;* Lapouge, 1908: *S1b L3;* Verhoeff, 1917: *S1b L3;* Verhoeff, 1921: *S1b L3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sturani, 1962: *M1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Ulocarabus Rtt.)	Mikhailov, 1978b: *I1b L;* Makarov, 1993: *I3b L1-3*
(Ulocarabus) stschurowskii Sols.	Mikhailov, 1978a: *SI1b L2-3;* Mikhailov, 1978b: *I1b L*
theanus Rtt.	Mikhailov, 1978a: *SI1b L2-3;* Mikhailov, 1978b: *I1b L*
(Semnocarabus Rtt.)	Makarov, 1993: *I3b L1-3*
(Tomocarabus Rtt.)	Makarov, 1993: *I3b L1-3*
(Tomocarabus) convexus F.	Lapouge, 1908: *S1b L3;* Verhoeff, 1921: *S1b L?2;* Bentsson, 1927: *I1bS1a L1;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1967: *S1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
marginalis F.	Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1991: *I3a L1-3*
bessarabicus Fisch.	Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3*
(Scambocarabus) kruberi Fisch.	Berlov, Berlov, 1984: *V L1-3;r(Pachystus Motsch.)* Makarov, 1993: *I3b L1-3*
(Pachystus) hungaricus F.	Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1970: *S2a L3;* Hurka, 1971: *I1bS2a L3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
cribellatus Ad.	Sharova, 1958: *I1b L2-3;* Arndt, 1985: *I2b L1-3*
(Hygrocarabus Thoms.)	Makarov, 1993: *I3b L1-3*
(Hygrocarabus) variolosus F.	Lapouge, 1908: *I1b L?3 (=linnei);* Lapouge, 1929: *I1b L ?3(=linnei);* Hurka, 1961: *S2b L2-3;* Sturani, 1962: *M1b L2-3;* Sturani, 1963: *S1b L1;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;r (Chaetocarabus Thoms.)* Makarov, 1993: *I3b L1-3*
(Chaetocarabus) intricatus L.	Schi└dte, 1867: *I1b L3;* Xambeau, 1898: *S1b L?3 (=convexus);* Lapouge, 1905: *S1b L3;* Lapouge, 1906: *S1b L2-3;* Lapouge, 1907: *S1b L2;* Verhoeff, 1921: *M1b L1-3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sturani, 1962: *M1b L1-3;* Sturani, 1962: *D1b P;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *I1b L3;r (Platycarabus Mor.)* Makarov, 1993: *I3b L1-3*
(Platycarabus) fabricii Panz.	Lapouge, 1906: *S1b L2;* Lapouge, 1929: *I1b L2;* Hurka, 1970: *S2a L1-2;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
irregularis F.	Letzner, 1850: *S1b L?3;* Schaum, 1856: *S1b L?3;* Lapouge, 1906: *I1b L2-3;* Lapouge, 1907: *S1b L2?3;* Lapouge, 1908: *I1b L3;* Lapouge, 1929: *I1b L2-3;* Raynaud, 1968: *S1b L3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
(Panthophyrtus Thieme)	Mikhailov, 1978b: *I1b L3;* Makarov, 1993: *I3b L1-3*
(Panthophyrtus) turcomanorum Thieme	Mikhailov, 1978b: *I1b L3*
turcomanorum ssp. karaalmicus Gottw.	Kryzhanovskij, 1953: *S1b L3 (as turcomanorum Thieme)*
(Megodontus Sol.)	Makarov, 1993: *I3b L1-3*
(Megodontus) vietinghoffi Ad.	Lapouge, 1929: *I1b L3*
violaceus L.	Schi└dte, 1867: *S1b L3;* Lapouge, 1906: *S1b L3;* Bengtsson, 1927: *I1b L1-3;* Lapouge, 1929: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sturani, 1962: *D1b P;* Sturani, 1962: *M1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Luff, 1981: *M2 O;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
exaratus Quens.	Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3*
(Pachycranion Sol.)	Makarov, 1993: *I3b L1-3*
(Pachycranion) schoenherri Fisch.	Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Berlov, Berlov, 1984: *V L1-3*
(Chrysocarabus Thoms.)	Makarov, 1993: *I3b L1-3*
(Chrysocarabus) auronitens F.	Heer, 1836: *S1b L3P;* Schaum, 1856: *S1b L3;* Lapouge, 1906: *S1b L1-3;* Bentsson, 1927: *I1bS1a L1;* Lapouge, 1929: *I1b L1-3;* Sturani, 1962: *M1b L1;* Stiprais, 1964: *M1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;r (Acoptolabrus Mor.)* Makarov, 1993: *I3b L1-3*
(Sphodristocarabus Geh.)	Makarov, 1993: *I3b L1-3*
(Cechenochilus Motsch.)	Makarov, 1993: *I3b L1-3*
(Eotribax Sem.)	Makarov, 1993: *I3b L1-3*
(Cechenotribax Sem. & Zn.)	Makarov, 1993: *I3b L1-3*
(Cratocephalus Kirsch)	Mikhailov, 1978b: *I1b L3;* Makarov, 1993: *I3b L1-3*
(Pseudotribax Kr.)	Makarov, 1993: *I3b L1-3*
(Pseudotribax) validus Kr.	Kryzhanovskij, 1953: *S1b L3;* Mikhailov, 1978b: *I1b L3*
(Cratophyrtus Rtt.)	Makarov, 1993: *I3b L1-3*
(Cratocarabus Rtt.)	Makarov, 1993: *I3b L1-3*
(Alipaster Rtt.)	Makarov, 1993: *I3b L1-3*
(Tribax Fisch.)	Makarov, 1993: *I3b L1-3*
(Microplectes Rtt.)	Makarov, 1993: *I3b L1-3*
(Microtribax Gottw.)	Makarov, 1993: *I3b L1-3*
(Archiplectes Gottw.)	Sharova, 1958: *I1b L3;* Makarov, 1993: *I3b L1-3*
(Archiplectes) prometheus Rtt.	Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3*
(Lamprostus Motsch.)	Makarov, 1993: *I3b L1-3*
(Lamprostus) calleyi Fisch.	Iablokoff-Khnzorian, 1965: *S1b L1-3*
(Procrustes Bon.)	Makarov, 1993: *I3b L1-3*
(Procrustes) coriaceus L.	Audoin, Brulle, 1835: *S1b L3;* Letzner, 1846: *S1b L3;* Schi└dte, 1867: *S1b L3;* Rey, 1887: *S1b L?3 (=vagans);* Weber, 1904: *S1b L3 (=ullrichi);* Lapouge, 1905: *S1b L1-3;* Houlbert, Monnot, 1905-08: *M1b L3;* Planet, 1906: *M1b L3;* Lapouge, 1906: *S1b L2;* Verhoeff, 1917a: *S1b L1-3;* Verhoeff, 1917b: *I1b L1-3;* Verhoeff, 1921: *S1b L1-3;* Bentsson, 1927: *I1bS1a L1-3;* Lapouge, 1929: *I1b L1-3;* Raynaud, 1935a: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Stiprais, 1961: *M1b L1-3;* Sturani, 1962: *D1b P;* Sharova, 1964: *I1b L1-3;* Hurka, 1971: *I1bS2a L1-3;* Arndt, 1985: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
talyshensis Men.	Lapouge, 1929: *I1b L3*
(Goniocarabus Geh.)	Mikhailov, 1978b: *I1b L2-3;* Makarov, 1993: *I3b L1-3*
(Goniocarabus) gussakowskii Kryzh.	Mikhailov, 1978b: *I1b L2-3*
grombczewskii grombczewskii Sem.	Mikhailov, 1978b: *I1b L3*
(Deroplectes Rtt.)	Mikhailov, 1978b: *I1b L?2-3;* Makarov, 1993: *I3b L1-3*
(Deroplectes) coiffaitianus Deuve	Mikhailov, 1977b: *SI1b L3;* Mikhailov, 1978b: *I1b L3*
sphinx Rtt.	Mikhailov, 1977b: *SI1b L2-3;* Mikhailov, 1978b: *I1b L2-3*
sphinx ssp. pseudocoiffaitianus Deuve	Mikhailov, 1977b: *SI1b L2;* Mikhailov, 1978b: *I1b L2*
(Plesius Sem.)	Mikhailov, 1978b: *I1b L1-3;* Makarov, 1993: *I3b L1-3*
(Plesius) staudingeri Ganglb.	Mikhailov, 1977b: *SI1b L3;* Mikhailov, 1978b: *I1b L1-3*
dokhtouroffi Ganglb.	Mikhailov, 1977b: *SI1b L3;* Mikhailov, 1978b: *I1b L3*
(Axinocarabus Mor.)	Mikhailov, 1977a: *I1b L1-3;* Mikhailov, 1978b: *I1b L1-3;* Makarov, 1993: *I3b L1-3*
(Axinocarabus) fedtschenkoi Sols.	Kryzhanovskij, 1953: *S1b L3;* Mikhailov, 1977a: *S1b L2-3;* Mikhailov, 1978b: *I1b L1-3*

fedtschenkoi fedtschenkoi Sols. Mikhailov, 1977a: *S1b L2*
fedtschenkoi melanochrus Mor. *Mikhailov, 1977a: S1b L2*
fedtschenkoi kondarensis Kryzh. Mikhailov, 1977a: *S1b L2-3*
miles Sem. Mikhailov, 1977a: *S1b L3;* Mikhailov, 1978b: *I1b L1-3*
(Coptolabrus Sol.) Makarov, 1993: *I3b L1-3*
(Damaster Koll.) Kurosa, 1959: *S1b L2-3 (blaptoides);* Makarov, 1993: *I3b L1-3*
(Damaster) rugipennis Motsch. Lapouge, 1929: *I1b L3;r (Procerus Dej.) Znojko, 1929b: I1b L1-3; Hurka, 1978: I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1993: *I3b L1-3*
(Procerus) scabrosus Ol. Schaum, 1864: *S1b L3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1985: *I2b L1-3*
caucasicus Ad. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3*
(Eupachys Chaud.) Makarov, Shilenkov, 1991: *D3a L2-3;* Makarov, 1993: *I3b L1-3*
(Eupachys) glyptopterus Fisch. Makarov, Shilenkov, 1991: *SD3a L2-3*

CYCHRINI Böving, Craighead, 1930: *I1b L1-3 (as Cychrinae);* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3 (Carabini);* Makarov, 1994: *I3b L1-3*

Cychrus F. Znojko, 1929b: *I1b L2-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *I1bS2b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

caraboides L. Heer, 1836: *S1b L3 (rostratus);* Houlbert, Monnot, 1905-08: *M1b L3;* Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sturani, 1962: *D1b P;* Sharova, 1964: *I1b L1-3;* Luff, 1969: *S1aL1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

ELAPHRINI Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Diacheila Motsch. Lindroth, 1954b: *ID2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

arctica Gyll. Lindroth, 1954b: *I2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1993: *SDI1b L3*
polita Fald. Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1993: *I1b L3*

Blethisa Bon. Znojko, 1929b: *I1b L2-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Lindroth, 1954b: *ID2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

multipunctata L. Böving, 1910: *I2b L?3;* Larsson, 1941: *I1b L3;* Lindroth, 1954b: *ID2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

multipunctata ssp. multipunctata L. Lindroth, 1954b: *I2b L1-3*

Elaphrus F. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Lindroth, 1954b: *ID2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Arctelaphrus) lapponicus Gyll. Lindroth, 1954b: *I2b L1-3;* Luff, 1993: *RDI1b L1-3*
(Neoelaphrus) uliginosus F. Xambeau, 1893-1907: *?;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *I1b L3*
cupreus Duft. Schi└dte, 1867: *S1b L2-3;* Larsson, 1941: *IS1b L2-3;* Lindroth, 1954b: *I2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

(Elaphrus) riparius L. Schi└dte, 1867: *S1b L?3;* Larsson, 1941: *IS1b L1-3;* Lindroth, 1954b: *ID2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

(Elaphroterus) aureus P.Mull. Raynaud, 1937: *S1b L?2-3*

LORICERINI Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3;* Makarov, 1994: *I3b L1-3*

Loricera Latr. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Ball, Erwin, 1969: *D1b L1-3P;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Loricera) pilicornis F. Schi└dte, 1867: *S1b L3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Ball, Erwin, 1969: *S1a L1;* Luff, 1978: *S2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

SIAGONINI Makarov, 1994: *I3b L3*

Siagona Latr. Moore, 1972: *S1a L3;* Makarov, 1994: *I3b L3*

SCARITINI Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Scarites F. Znojko, 1929b: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Scarites (Distichus Motsch.) Emden, 1942: *I1b L2-3;* Sharova, 1958: *I1b L2-3*
(Distichus) planus Bon. Sharova, 1958: *I1b L2-3;r (Scarites F.) Emden, 1942: I1b L1-3; Sharova, 1958: I1b L1-3*
(Scarites) eurytus Fisch. Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3*
salinus Dej. Sharova, 1958: *I1b L3*
terricola Bon. Kurosa, 1959: *S1b L3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
terricola ssp. pacificus Bat. Habu, Sadanaga, 1963: *S2b L1-3O*
(Scallophorites) bucida Pall. Sharova, 1958: *I1b L3*

CLIVININI Böving, Craighead, 1930: *I1b L1-3 (as Dyschiriinae);* Sharova, 1964: *I1b L1-3;* Makarov, 1994: *I3b L1-3*

Clivina Latr. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *I2a L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

collaris Hbst. Luff, 1978: *I2D2a L1-3;* Vének, 1984: *S2aD2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
fossor L. Böving, 1911: *S1b L3;* Larsson, 1941: *SI1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Vének, 1984: *S2aD2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

DYSCHIRIINI

Dyschirius Bon. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Bousquet, 1988: *D3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3 (part)*

obscurus Gyll. Larsson, 1941: *IS1b L?1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

arenosus Steph. Schi└dte, 1867: *S1b L3;* Larsson, 1941: *IS1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1978: *D2aI2 L1-3;* Arndt, 1991: *I3a L1-3*

(Eudyschirius) globosus Hbst. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1975: *S1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

(Dyschiriodes) impunctipennis Daws. Larsson, 1941: *IS1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1978: *D2aI2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

politus Dej. Schi└dte, 1867: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

chalceus Er. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

aeneus Dej. Luff, 1993: *SDI1b L3*
salinus Schaum Larsson, 1941: *IS1b L3;* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Luff, 1978: *D2aI2 L3;* Arndt, 1991: *I3a L3;* Luff, 1993: *RDI1b L3*

BROSCINI Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Broscus Panz. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Hurka, 1978: *I1b L1-3;* Sharova, Makarov, 1983: *D2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

cephalotes L.	Schi ┗dte, 1867: *S1b L3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Jeannel, 1942: *M1b L3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1978: *D2aI2 L1-3;* Sharova, Makarov, 1983: *SI2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
semistriatus Dej.	Sharova, Makarov, 1983: *SI2a L1-3*
asiaticus Ball.	Sharova, Makarov, 1983: *SI2a L1-3*
punctatus Dej.	Gardner, 1937: *S1b L?3;* Sharova, Makarov, 1983: *SI2a L2*
Craspedonotus Schaum	Makarov, 1994: *I3b L1-3*
tibialis Schaum	Kurosa, 1959: *S1b L3;* Habu, Sadanaga, 1965: *IS3a L1-3*
Miscodera Esch.	Luff, 1978: *D2aI2 L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a : 1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
arctica Payk.	Andersen, 1968: *S1a L3;* Luff, 1978: *D2aI2 L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
TRECHINI	
Perileptus Schaum	Boldori, 1936: *S1b L2-3;* Jeannel, 1940: *S1b L2-3;* Emden, 1942: *I1b L1-3;* Boldori, 1951: *S1b L1-3;* Boldori, 1958: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
areolatus Creutz.	Boldori, 1936: *S1b L2-3;* Jeannel, 1940: *S1b L2-3;* Emden, 1942: *I1b L1-3;* Boldori, 1951: *S1b L1-3;* Boldori, 1958: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1985: *IS1a L1-3;* Luff, 1993: *RDI1b L1-3*
Trechoblemus Ganglb.	Boldori, 1958: *I1b L3;* Hurka, 1978: *I1b L3;* Luff, 1993: *RDI1b L3;* Makarov, 1994: *I3b L3*
micros Hbst.	Pierre, 1949: *S1b L3;* Boldori, 1958: *I1b L3;* Luff, 1985: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
Duvalius Delar.	Boldori, 1932a: *I1b L1-3;* Boldori, 1932b: *IS1b L1-3;* Hurka, 1978: *I1b L1-3;* Makarov, 1994: *I3b L1-3*
Epaphius Steph.	Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
rivularis Gyll.	Larsson, 1941: *IS1b L3;* Luff, 1985: *IS1a L3;* Arndt, 1991: *I3a L3;* Luff, 1993: *RDI1b L3*
secalis Payk.	Boldori, 1931a: *S1b L1-3;* Boldori, 1931b: *S1b L1-3;* Boldori, 1932: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Boldori, 1951: *S1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1985: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
Trechus Clairv.	Znojko, 1929b: *I1b L1-3;* Boldori, 1932: *I1b L1-3;* Boldori, 1936: *I1b L1-3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Boldori, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L*
pulchellus Putz.	Emden, 1942: *I1b L?3;* Boldori, 1951: *S1b L?3;* Boldori, 1958: *I1b L2-3*
quadristriatus Schrank	Böving, 1911: *S1b L2-3;* Jeannel, 1920: *S1b L2-3;* Beier, 1928: *S1b L3;* Boldori, 1931a: *S1b L1-3;* Boldori, 1931b: *S1b L1-3;* Boldori, 1932: *IS1b L1-3;* Boldori, 1939: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Jeannel, 1941: *S1b L1-3;* Boldori, 1951: *S1b L1-3;* Boldori, 1957: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1985: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
obtusus Er.	Jeannel, 1920: *S1b L2-4;* Boldori, 1931a: *S1b L2-3;* Boldori, 1931b: *S1b L2-3;* Boldori, 1932: *IS1b L2-3;* Larsson, 1941: *IS1b L2-3;* Boldori, 1951: *S1b L1-3;* Boldori, 1958: *I1b L1-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1981: *M2 O;* Luff, 1985: *IS1a L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
rubens F.	Jeannel, 1920: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1985: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
TACHYINI	Makarov, 1994: *I3b L1-3*
Tachys Steph.	Znojko, 1929b: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
(Paratachys) bistriatus Duft.	Xambeau, 1893-1907: *S1a ?L3;* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Luff, 1993: *I1b L3*
Elaphropus (Tachyura Motsch.)	Emden, 1942: *I1b L?3*
(Tachyura) parvulus Dej.	Ceruti, 1939: *S1b L2-3;* Luff, 1993: *SDI1b L1-3*
Tachyta Kirby	Znojko, 1929b: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Erwin, 1975: *I3a L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
nana Gyll.	Perris, 1862: *S1a L3;* Erwin, 1975: *I3a L1-3P (nana inornata);* Luff, 1993: *RDI1b L3*
BEMBIDIINI	Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3 (incl. Tachyini);* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Asaphidion Goz.	Znojko, 1929b: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
caraboides Schrank	Boldori, 1939: *S1b L3;* Raynaud, 1976b: *S1b L3 (?)*
flavipes L.	Boldori, 1939: *S1b L1-3;* Luff, 1993: *SDI1b L1-3*
pallipes Duft.	Böving, 1911: *S1a L2 (Tachypus flavipes);* Larsson, 1941: *I1b L2-3;* Luff, 1993: *RDI1b L3*
Ocys Steph.	Raynaud, 1975: *S1b L?3 (B.harpaloides Serv.)*
Cillenus Sam.	Böving, 1911: *S1a L2 (laterale);* Ueno, 1955: *S1a L3 (tsutsuii);* Luff, 1993: *RDI1b L3 (laterale);* Makarov, 1994: *I3b L2-3*
Bembidion Latr.	Znojko, 1929b: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
(Bracteon) argenteolum Ahr.	Andersen, 1966: *S2b L1-3;* Luff, 1993: *RDI1b L3*
lapponicum Zett.	Andersen, 1966: *S2b L1-3;* Luff, 1993: *RDI1b L3*
litorale Ol.	Andersen, 1966: *S2b L2-3;* Luff, 1993: *RDI1b L3*
(Metallina) lampros Hbst.	Larsson, 1941: *SI1b L1-3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L1-3*
(Testedium) bipunctatum L.	Larsson, 1941: *IS1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1993: *RDI1b L3*
(Actedium) pallidipenne Ill.	Larsson, 1941: *IS1b L3;* Luff, 1993: *RDI1b L3*
Bembidion(Notaphus Dej.)	Lindroth, 1955: *S1b L?3 (B.contractum Say)*
(Notaphus) varium Ol.	Luff, 1993: *RDI1b L3*
(Eupetedromus) dentellum Thunb.	Andersen, 1966: *S1b L3;* Luff, 1993: *RDI1b L3*
(Philochtus) biguttatum F.	Luff, 1993: *RDI1b L3*
guttula F.	Larsson, 1941: *IS1b L3;* Luff, 1993: *RDI1b L3*
mannerheimi C.Sahlb.	Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3 (unicolor)*
(Leja) articulatum Panz.	Raynaud, 1975: *S1b L?3*
(Semicampa) schuppelii Dej.	Luff, 1993: *RDI1b L3*
genei ssp. illigeri Net.	Larsson, 1941: *SI1b L?2-3 (B.genei)*
(Bembidionetolitzkya) tibiale Duft.	Xambeau, 1893-1907: *S1a L?3;* Luff, 1981: *M2 O*
(Plataphus) prasinum Duft.	Luff, 1993: *RDI1b L3*
lenense Popp.	Lindroth, 1955: *S1b L?3*
(Ocydromus) femoratum Sturm	Netolitzky, 1926: *S1b L3*
petrosum Gebl.	Luff, 1993: *RDI1b L3*
tetracolum Say	Netolitzky, 1926: *S1b L3;* Larsson, 1941: *I1b L2-3 (ustulatum);* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3 (ustulatum);* Smrz, 1979: *MS2b L1-3 (ustulatum);* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L1-3*
bruxellense Wesmael	Larsson, 1941: *I1b L3 (?rupestre);* Sharova, 1958: *I1b L3 (?rupestre);* Sharova, 1964: *I1b L3 (?rupestre);* Luff, 1993: *RDI1b L3*
lunatum Duft.	Schaut, 1859: *S1b L3;* Luff, 1993: *RDI1b L3*
decorum Zenk. in Panz.	Smrz, 1979: *MS1a L1-3*
saxatile Gyll.	Luff, 1981: *M2 O*
dalmatinum Dej.	Netolitzky, 1926: *S1b L3*
stephensii Crotch	Emden, 1942: *M1b L1*
grapei Gyll.	Luff, 1993: *SDI1b L3*
(Synechostictus) elongatum Dej.	Raynaud, 1975: *S1b L?3*

POGONINI Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Pogonus Dej. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Pogonoidius) cumanus Lutsh. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3*

(Pogonus) iridipennis Nic. Luff, 1985: *IS1a L2-3;* Arndt, 1991: *I3a L1-3*

luridipennis Germ. Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Luff, 1993: *SDI1b L3 (flavipennis)*

PATROBINI Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Patrobus Dej. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

assimilis Chaud. Larsson, 1941: *IS1b L2-3;* Houston, Luff, 1975: *IS1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

atrorufus Stroem Schi ┗dte, 1867: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Houston, Luff, 1975: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

septentrionis Dej. Larsson, 1941: *IS1b L2-3;* Houston, Luff, 1975: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

Diplous Motsch. Emden, 1942: *I1b L3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Makarov, 1994: *I3b L1-3*

sibiricus Motsch. Habu, Sadanaga, 1965: *IS3a L1-3 (ssp. flavipes Motsch.)*

DELTOMERINI

Deltomerus Motsch. Paulian, Villers, 1908: *S1b L3 (D.corax);* Jeannel, 1941: *D1b L3 (D.corax);* Emden, 1942: *I1b L3;* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Hurka, 1972: *S1b L1-3 (D.tatricus);* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Zamotailov, 1994: *D3b L2-3;* Makarov, 1994: *I3b L1-3*

elongatus Dej. Zamotailov, 1994: *S3b L3*

tibialis Rtt. Zamotailov, 1994: *S3b L2-3*

pseudoplatynus Rtt. Zamotailov, 1994: *S3b L3*

carpathicus Mill. Zamotailov, 1994: *R3b L3*

PSYDRINI

Nomius Laporte Hurka, 1978: *I1b L?3*

MORIONINI Hurka, 1978: *I1b L1-3;* Thompson, 1979: *D1b L1-3;* Makarov, 1994: *I3b L1-3*

Morion Latr. Emden, 1953: *S1b L3;* Hurka, 1978: *I1b L3;* Thompson, 1979: *D1b L3;* Makarov, 1994: *I3b L3*

PTEROSTICHINI Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3;* Thompson, 1979: *I1b L1-3;* Bousquet, 1985b: *DS3a L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Stomis Clairv. Luff, 1993: *SDI1a L3*

(Stomis) pumicatus Panz. Luff, 1993: *SDI1a L3*

Abacetus Dej. Gardner, 1936: *S1b L?3;* Emden, 1942: *I1b L?3;* Casale, 1988: *I1b L?3;* Arndt, 1988: *D3b L1-3 (A.villersianus)*

Abacetus (Astigis Rambur) Arndt, 1988: *D3b L1-3 (A.villersianus)*

Poecilus Bon. Sharova, 1958: *I1b L1-3;* Bousquet, 1985b: *DS3a L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *D3a L1-3;* Makarov, 1994: *I3b L1-3*

(Poecilus) cupreus L. Raynaud, 1936b: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3;* Luff, 1993: *RDI1b L1-3*

versicolor Sturm Raynaud, 1936b: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Habu, Sadanaga, 1961: *S1a L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-31-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3;* Luff, 1993: *RDI1b L1-3*

encopoleus Sols. Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*

lepidus Leske Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3;* Luff, 1993: *RDI1b L1-3*

punctulatus Schall. Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3*

subcoeruleus Quens. Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3 (striatopunctatus)*

sericeus Fisch. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3*

(Angoleus) puncticollis Dej. Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *IS3a L1-3*

Pterostichus Bon. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Leonardi, 1969: *I2b L1-3;* Hurka, 1978: *I1b L1-3;* Thompson, 1979: *I1b L1-3;* Bousquet, 1985b: *DS3a L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *D3b L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3 (part)*

Pterostichus (Platysma Bon.) Arndt, Hurka, 1992: *D3b L1-3*

(Platysma) eschscholtzi Germ. Habu, Sadanaga, 1971: *S2b L1-3 (P.fortis)*

niger Schall. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *S1b Lv;* Witzge, 1974: *S1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*

(Lyperopherus Motsch.) Bousquet, 1985b: *DS3a L1-3*

(Lyperopherus) mirus Tschit. Berlov, Berlov, 1984: *S1b L1*

(Myosodus Fisch.) Arndt, Hurka, 1992: *D3a L1-3*

(Myosodus) lacunosus Chaud. Arndt, Hurka, 1992: *D3a L1-3*

starcki Heyd. Arndt, Hurka, 1992: *S3a L1-2*

filipjevi Lutsh. Arndt, Hurka, 1992: *S3a L1-3*

(Argutor Dej.) Bousquet, 1985b: *DS3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3*

(Argutor) chamaeleon Motsch. Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*

cursor Dej. Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*

dulcis Bat. Habu, Sadanaga, 1971: *S2b L1-3*

leonisi Apf. Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*

sulcitarsis Mor. Habu, Sadanaga, 1963: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*

vernalis Panz. Larsson, 1941: *IS1b L2-3;* Emden, 1942: *I1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1981: *M2 O;* Desender, Panne, 1983: *DMS2b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*

(Pledarus) haptoderoides Tschit. Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*

microcephalus Motsch. Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*

(Adelosia Steph.) Arndt, Hurka, 1992: *D3b L1-3*

(Adelosia) macer Marsh. Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*

(Melanius Bon.) Bousquet, 1985b: *DS3a L1-3;* Hovorka, 1991b: *D3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3*

(Melanius) anthracinus Ill. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Hovorka, 1991b: *SI3a L1-3;* Arndt, Hurka, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*

gracilis Dej. Larsson, 1941: *IS1b L1-3;* Larsson, 1968: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Hovorka, 1991b: *SI3a L1-3;* Arndt, Hurka, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*

minor Gyll. Larsson, 1941: *IS1b L1-3;* Larsson, 1968: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Hovorka, 1991b: *SI3a L1-3;* Luff, 1993: *RDI1b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*

nigrita Payk. Schi ┗dte, 1867: *S1b L3;* Raynaud, 1936b: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Luff, 1981: *M2 O;* Troester, 1987: *M1a L3;* Arndt, 1991: *I3a L1-3;* Hovorka, 1991b: *SI3a L1-3;* Luff, 1993: *RDI1b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*

rhaeticus Heer	Arndt, 1991: *I3a L1-3;* Hovorka, 1991b: *SI3a L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
rotundangulus Mor.	Habu, Sadanaga, 1971: *S2b L3*
piceolus Chaud.	Hovorka, 1991b: *SI3a L1-3 (latoricaensis);* Arndt, Hurka, 1993: *I3b L1-3*
(Phonias Goz.)	Sharova, 1958: *I1b L1-3;* Bousquet, 1985b: *DS3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3*
(Phonias) diligens Sturm	Emden, Emden, 1927: *S1b L1-3;* Emden, 1932: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*
longinquus Bat.	Habu, Sadanaga, 1971: *S2b L1-3*
strenuus Panz.	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Desender, Panne, 1983: *DMS2b L1-3;* Bousquet, 1985b: *IS3a L1-3;* Bousquet, 1989: *I3a L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Luff, 1993: *RDI1b L3;* Arndt, Hurka, 1993: *I3b L1-3*
ovoideus Sturm	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Cryobius Chaud.)	Bousquet, 1985b: *SD3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3*
(Cryobius) brevicornis Kirby	Bousquet, 1985b: *IS3a L1-3;* Bousquet, 1989: *I3a L1-3*
pinguedineus Esch.	Bousquet, 1985b: *SI3a L1-3;* Bousquet, 1989: *I3a L1-3*
negligens Sturm	Hurka, 1958: *S2b L3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
blandulus Mill.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Haptoderus Chaud.)	Arndt, Hurka, 1992: *S3b L1-3*
(Haptoderus) unctulatus Duft.	Emden, 1942: *S1b L?3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
pumilio Dej.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Eurymelanius Rtt.)	Arndt, Hurka, 1992: *D3a L1-3*
(Lyrothorax Chaud.)	Arndt, Hurka, 1992: *D3b L1-3*
(Lyrothorax) caspius Men.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3;r (Omaseus Dej.) Arndt, Hurka, 1992: S3b L1-3*
(Omaseus) aterrimus Hbst.	Raynaud, 1936b: *S1b L;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
elongatus Duft.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Steropus) aethiops Panz.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Luff, 1993: *RDI1b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
rufitarsis Dej.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Bothriopterus Chaud.)	Bousquet, 1985b: *DS3a L1-3;* Arndt, Hurka, 1992: *D3b L1-3*
(Bothriopterus) adstrictus Esch.	Goulet, 1974: *L1-3;* Thompson, 1979: *IS2a L1-3;* Luff, 1981: *M2 O;* Bousquet, 1985b: *IS3a L1-3;* Bousquet, 1989: *I3a L1-3;* Luff, 1993: *RDI1b L3*
quadrifoveolatus Letzn.	Paarman, 1966: *S2b L1-3;* Arndt, 1991: *I3a L2-3;* Arndt, Hurka, 1992: *D3b L1-3;* Luff, 1993: *RDI1b L3;* Arndt, Hurka, 1993: *I3b L1-3*
oblongopunctatus F.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Paarman, 1966: *S2b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *D3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Morphnosoma Lutsh.)	Bousquet, 1985b: *DS3a L1-3;* Arndt, Hurka, 1992: *D3b L1-3*
(Morphnosoma) melanarius Ill.	Schi └dte, 1867: *S1b L3;* Emden, 1936: *S1b L3 (vulgaris);* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3 (vulgaris);* Sharova, 1964: *I1b L1-3 (vulgaris);* Larsson, 1968: *I1b L1-3 (vulgaris);* Thompson, 1979: *IR2a L2-3;* Luff, 1981: *M2 O;* Bousquet, 1985b: *IS3a L1-3 (Euferonia);* Bousquet, 1989: *I3a L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *D3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*
(Feronidius Jeann.)	Arndt, Hurka, 1992: *D3b L1-3*
(Feronidius) melas Creutz.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *S1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
hungaricus Dej.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Cophosus Dej.)	Arndt, Hurka, 1992: *D3b L1-3*
(Cophosus) cylindricus Hbst.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Petrophilus Chaud.)	Arndt, Hurka, 1992: *D3b L1-3*
(Petrophilus) foveolatus Duft.	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
(Stereocerus Kirby)	Bousquet, 1985b: *SDI3a L1-3;* Makarov, 1994: *I3b L1-3*
(Stereocerus) haematopus Dej.	Thompson, 1979: *IS2a L1-3;* Bousquet, 1985b: *SI3a L1-3;* Bousquet, 1989: *I3a L1-3*
(Oreophilus Chaud.)	Arndt, Hurka, 1992: *D3b L1-3*
(Oreophilus) morio Duft.	Hurka, 1958: *S2b L3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
morio ssp. carpathicus Kult (Cheporus Latr.)	Hurka, 1958: *S2b L3* Arndt, Hurka, 1992: *D3b L1-3*
(Cheporus) burmeisteri Heer	Weidemann, 1971: *S1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3;r (Calopterus Chaud.)* Arndt, Hurka, 1992: *D3b L1-3*
(Calopterus) pilosus Host	Arndt, 1991: *I3a L1-3;* Arndt, Hurka, 1992: *S3b L1-3;* Arndt, Hurka, 1993: *I3b L1-3*
Abax Bon.	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Leonardi, 1972: *I2b L1-3;* Hurka, 1978: *I1b L1-3;* Bousquet, 1985b: *SD3a L1-3;* Casale, 1988: *I1b L1-3;* Bousquet, 1989: *I3a L1-3;* Arndt, 1989: *D3a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
parallelopipedus Pill. & Mitt.	Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Raynaud, 1976e: *S1b L3;* Luff, 1981: *M2 O;* Bousquet, 1985b: *SI3a L1-3;* Bousquet, 1989: *I3a L1-3;* Arndt, 1989b: *IS3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
carinatus Duft.	Arndt, 1989b: *IS3b L1;* Arndt, 1991: *I3a L1-3*
ovalis Duft.	Arndt, 1989b: *IS3b L1-3;* Arndt, 1991: *I3a L1-3*
parallelus Duft.	Arndt, 1989b: *IS3b L1-3;* Arndt, 1991: *I3a L1-3*
Molops Bon.	Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Leonardi, 1972: *I2b L1-3;* Hurka, 1978: *I1b L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
piceus Panz.	Arndt, 1991: *I3a L1-3*
SPHODRINI	Böving, Craighead, 1930: *I1b L1-3 (as Sphodrinae);* Casale, 1988: *I1b L1-3;* Makarov, 1994: *I3b L1-3*
Calathus Bon.	Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Kurka, 1971: *D2b L1-3;* Hurka, 1978: *I1b L1-3;* Thompson, 1979: *I1b L;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
(Calathus) fuscipes Gz.	Böving, 1910: *I1b L?3;* Larsson, 1941: *IS1b L2-3;* Emden, 1942: *I1b L2-3;* Raynaud, 1944: *S1b L3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Kurka, 1971: *IMS1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
(Neocalathus) ambiguus Payk.	Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Kurka, 1971: *IMS1a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
erratus C.Sahlb.	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Raynaud, 1944: *S1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Kurka, 1971: *IMS1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
kollari Putz.	Gardner, 1936: *S1b L?2-3*
melanocephalus L.	Larsson, 1941: *IS1b L1-3;* Raynaud, 1944: *S1b L1-3;* Lindroth, 1956: *S1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b Lv;* Kurka, 1971: *IMS1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
metallicus Dej.	Kurka, 1971: *IMS1a L1-3;* Arndt, 1991: *I3a L1-3*

	micropterus Duft.	Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Kurka, 1971: *IMS1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	ochropterus Duft.	Arndt, 1991: *I3a L1-3*
Calathus	*(Dolichus Bon.)*	Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
	(Dolichus) halensis Schall.	Sharova, 1958: *I1b L1-3;* Kurosa, 1959: *S1b L1-3;* Habu, Sadanaga, 1963: *S3a L1-3;* Sharova, 1964: *I1b L1-3;* Habu, Sadanaga, 1965: *I3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;r (Lindrothius Kurn.)* Arndt, Hurka, 1992: *D3b L1-3;* Makarov, 1994: *I3b L1-3*
	(Lindrothius) caucasicus Chaud.	Arndt, Hurka, 1992: *D3b L1-3*
	horsti Rtt.	Arndt, Hurka, 1992: *D3b L1-3*
Thermoscelis Putz.		Arndt, Hurka, 1992: *D3b L1;* Makarov, 1994: *I3b L1*
	insignis Chaud.	Arndt, Hurka, 1992: *D3b L1*
Taphoxenus Motsch.		Sharova, 1958: *I1b L1-2;* Sharova, 1964: *I1b L1-2;* Hurka, 1978: *I1b L1-3;* Casale, 1988: *I1b L1-3;* Makarov, 1994: *I3b L1-3 (s.l.)*
	(Taphoxenus) gigas Fisch.	Sharova, 1958: *I1b L1-2;* Sharova, 1964: *I1b L1-2*
Sphodrus Clairv.		Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
	leucophtalmus L.	Acrel, 1799: *M1b L?3;* Gernet, 1867: *S1b L?3;* Ganglbauer, 1892: *M1bL?3;* Reitter, 1908: *M1b L?3;* Emden, 1919: *I1b L2-3;* Emden, 1921: *I1b L2-3;* Böving, Craighead, 1930: *M1b L2-3;* Boldori, 1934: *S1b L1-3O;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Jeannel, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
Eremosphodrus Sem.		Makarov, 1994: *I3b L1-2*
Laemostenus Bon.		Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Thompson, 1979: *IR1a L2-3 (Pristonychus complanatus);* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Hovorka, 1991a: *D3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
	(Antisphodroides) koenigi Rtt.	Vereshchagina, Makarov, 1986: *SI1a L2*
	tschitscherini Sem.	Vereshchagina, Makarov, 1986: *SI1a L12P*
	ljovushkini Ver.	Vereshchagina, Makarov, 1986: *SI1a L2-3*
Laemostenus	*(Antisphodrus Schauf.)*	Emden, 1942: *I1b L?3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
	(Pristonychus Dej.)	Emden, 1942: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
	(Pristonychus) mannerheimi Kol.	Hovorka, 1991a: *S3a L1-3*
	terricola Hbst.	Chapuis-Candeze, 1853: *M1b L?3;* Böving, Craighead, 1930: *M1b L1-3;* Boldori, 1934: *S1b L1-3;* Larsson, 1941: *I1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1976: *S1b L3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Hovorka, 1991a: *S3a L1-3;* Luff, 1993: *RDI1b L1-3*
PLATYNINI		
Sericoda Kirby		Thompson, 1979: *S2b L (obsoletus);* Liebherr, 1991: *R3b L1 (bembidionoides)*
Agonum Bon.		Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Thompson, 1979: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
Agonum	*(Agonum Bon.)*	Thompson, 1979: *I1b L1-3;* Hurka, Smrz, 1981: *I2b L1-3*
	(Agonum) ericeti Panz.	Emden, 1929: *I1b L?3;* Emden, 1929: *S1b L?3;* Lindroth, 1955: *S1b L?2-3;* Hurka, Smrz, 1981: *S2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	marginatum L.	Larsson, 1941: *SI1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	muelleri Hbst.	Larsson, 1941: *SI1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	sexpunctatum L.	Hurka, Smrz, 1981: *S2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	versutum Sturm	Larsson, 1941: *SI1b L?3;* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Luff, 1993: *RDI1b L3*
	viduum Panz.	Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3 (incl. moestum)*
	viridicupreum Gz.	Hurka, Smrz, 1981: *S2b L1-3;* Arndt, 1991: *I3a L1-3*
	(Europhilus Chaud.)	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Hurka, Smrz, 1981: *I2b L1-3;* Arndt, 1991: *I3a L1-3*
	(Europhilus) consimile Gyll.	Lindroth, 1955: *S1b L1-3*
	fuliginosum Panz.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Hurka, Smrz, 1981: *IS2b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	gracile Sturm	Hurka, Smrz, 1981: *IS2b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	micans Nic.	Hurka, Smrz, 1981: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	piceum L.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	gratiosum Mnnh.	Thompson, 1979: *IS1a L1*
	thoreyi Dej.	Larsson, 1941: *IS1b L1-2;* Lindroth, 1955: *S1b L1-2;* Sharova, 1958: *I1b L1-2;* Sharova, 1964: *I1b L1-2;* Thompson, 1979: *IS1a L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
Platynus	*(Platynus Bon.)*	Larsson, 1941: *IS1b L1-3;* Thompson, 1979: *I1b L1-3;* Hurka, Smrz, 1981: *I2b L1-3*
	(Platynus) assimile Payk.	Larsson, 1941: *IS1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	krynickii Sperk	Arndt, 1991: *I3a L2-3*
	(Batenus Motsch.)	Hurka, Smrz, 1981: *I2b L1-3*
	(Batenus) livens Gyll.	Hurka, Smrz, 1981: *S2b L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	mannerheimi Dej.	Thompson, 1979: *IS1b L2-3*
	magnum Bat.	Kurosa, 1959: *S1b L?3;* Habu, Sadanaga, 1963: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*
	albipes F.	Kemner, 1913: *S1b L3;* Larsson, 1941: *IS1b L1-3 (ruficornis);* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	obscurum Hbst.	Larsson, 1941: *IS1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
Anchomenus Bon.		Hurka, Smrz, 1981: *I2b L1-3*
	dorsalis Pontop.	Kemner, 1913: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Hurka, Smrz, 1981: *S2b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Liebherr, 1991: *R3b L1;* Luff, 1993: *RDI1b L1-3*
	(Eucolpodes) japonicum Motsch.	Habu, Sadanaga, 1963: *S2b L2-3*
Olisthopus Dej.		Znojko, 1929b: *I1b L?3;* Larsson, 1941: *IS1b L?2-3;* Emden, 1942: *I1b L?3 (Odontonyx);* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Hurka, 1978: *I1b L?1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
	rotundatus Payk.	Böving, 1910: *S1b L3;* Larsson, 1941: *I1b LL2-3;* Sharova, 1964: *I1b LL2-3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L1-3*
Atranus Lec.		Bousquet, 1985a: *D3a L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Synuchus Gyll.		Xambeau, 1898: *S1a L?3;* Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Lindroth, 1956: *D2b L1;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Thompson, 1979: *I1b L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
	(Synuchus) vivalis Ill.	Larsson, 1941: *I1b L1-3;* Lindroth, 1956: *D2b L1;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L1-3*
Synuchus	*(Pristodactyla Dej.)*	Lindroth, 1956: *D2b L1*

(Pristodactyla) arquaticollis Motsch. Habu, Sadanaga, 1965: *IS3a L1-3*

Platyderus Steph. Emden, 1942: *I1b L?3;* Lindroth, 1956: *D2b L1 (P. ruficollis);* Hurka, 1978: *I1b L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

AMARINI Böving, Craighead, 1930: *I1b L1-3 (as Amarinae);* Larsson, 1941: *I1b L1-3;* Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Thompson, 1979: *D1b L1-3;* Casale, 1988: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Amara Bon. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Zezea) plebeja Gyll. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Arndt, 1991: *I3a L2-3;* Luff, 1993: *RDI1b L1-3*

(Amara) aenea Deg. Boldori, 1935: *S1b L1-3;* Brachini, 1938: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1976d: *S1b L3;* Luff, 1981: *M2 O;* Desender, 1988: *S2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

chalcites Dej. Kurosa, 1959: *S1b L3;* Habu, Sadanaga, 1963: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*

communis Panz. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

convexior Steph. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

curta Dej. Xambeau, 1893-1907: *S1b L?3;* Luff, 1993: *SDI1b L1-3*

eurynota Panz. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Bíly, 1972: *SD2b L1-3;* Raynaud, 1976d: *S1b L3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

familiaris Duft. Schi ┗dte, 1867: *S1b L?3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Desender, 1988: *S2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

littoralis Mnnh. Thompson, 1979: *IS1a L1-2*

lunicollis Schi ┗dte Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L3*

ovata F. Xambeau, 1893-1907: *S1b ?L3*

similata Gyll. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Kurosa, 1959: *S1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

spreta Dej. Arndt, 1991: *I3a L1-3*

tibialis Payk. Larsson, 1941: *IS1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L3*

Amara (Celia Zimm.) Emden, 1942: *I1b L1-3;* Bíly, 1975: *DI1b L1-3*

(Celia) bifrons Gyll. Schi ┗dte, 1867: *S1b L3;* Larsson, 1941: *IS1b L2-3;* Emden, 1942: *I1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Bíly, 1975: *MSI2a L2-3;* Raynaud, 1976d: *S1b L3;* Thompson, 1979: *IR1b L2;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

brunnea Gyll. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Bíly, 1975: *I2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

cursitans Zimm. Bíly, 1975: *MSI2a L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

erratica Duft. Xambeau, 1902: *S1b L?3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Bíly, 1971: *SD2b L1-3;* Bíly, 1975: *RI2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

fusca Dej. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

infima Duft. Bíly, 1975: *MSI2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

ingenua Duft. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Bíly, 1975: *MIR2a L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

municipalis Duft. Bíly, 1975: *MSI2a L1-2;* Arndt, 1991: *I3a L2-3;* Luff, 1993: *RDI1b L1-3*

praetermissa C.Sahlb. Bíly, 1975: *MSI2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

(Paracelia) quenseli Schoenh. Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Bíly, 1975: *MSI2a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

(Bradytus Steph.) Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Bíly, 1975: *I2b L1-3;* Hurka, Duchac, 1980: *D2b L1-3*

(Bradytus) apricaria Payk. Schi ┗dte, 1867: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *IS1b L1-3;* Hurka, Duchac, 1980: *IS2b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

consularis Duft. Boldori, 1935: *S1b L2-3;* Emden, 1942: *I1b L3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Larsson, 1968: *IS1b L1-3;* Hurka, Duchac, 1980: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

crenata Dej. Hurka, Duchac, 1980: *IS2b L1;* Arndt, 1991: *I3a L1-3*

fulva Mull. Boldori, 1935: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *IS1b L1-3;* Raynaud, 1976d: *S1b L3;* Hurka, Duchac, 1980: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

majuscula Chaud. Hurka, Duchac, 1980: *IS2b L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

simplicidens Mor. Habu, Sadanaga, 1965: *S3a L1*

(Percosia Zimm.) Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Bíly, 1975: *I2b L1-3*

(Percosia) equestris Duft. Schi ┗dte, 1867: *S1b L?3;* Znojko, 1929b: *S1a L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *IS1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

Harpalodema Rtt. Makarov, 1994: *I3b L3*

Curtonotus Steph. Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Bíly, 1975: *I2b L1-3;* Hurka, Duchac, 1980: *D2b L1-3;* Makarov, 1994: *I3b L1-3*

(Curtonotus) alpinus Payk. Forsskahl, 1966: *S1a L3;* Luff, 1993: *RDI1b L3*

aulicus Panz. Schi ┗dte, 1876: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Hurka, Duchac, 1980: *RI2b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

convexiusculus Marsh. Schi ┗dte, 1876: *S1b L3;* Larsson, 1941: *IS1b L2-3;* Emden, 1942: *I2b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Larsson, 1968: *I1b L1-3;* Hurka, Duchac, 1980: *RI2b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

giganteus Motsch. Habu, Sadanaga, 1965: *IS3a L1-3*

Zabrus Clairv. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

(Zabrus) tenebrioides Gz. Znojko, 1929b: *I1bS1a L1-3;* Larsson, 1941: *I1b L1-3;* Arabadzhiev, Balevskij, etc, 1953: *S1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1976: *S1b L1-3;* Epperlein, Wetzler, 1985: *M1b L1-3;* Arndt, 1991: *I3a L1-3*

Zabrus (Pelor Bon.) Makarov, Gurgenidze, Rekk, 1991: *D3a L1-3*

(Pelor) spinipes F. Znojko, 1929b: *I1b L1-3;* Znojko, 1935: *I1b L1-3;* Arabadzhiev, Balevskij, etc, 1953: *S1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3*

trinii Fisch. Makarov, Gurgenidze, Rekk, 1991: *DMS3a L1-3*

HARPALINI Böving, Craighead, 1930: *I1b L1-3 (as Harpalinae);* Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3;* Habu, 1973: *D3b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Anisodactylus Dej. Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Bousquet, Tchang, 1992: *DSV3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Anisodactylus) binotatus F. Böving, 1911: *S1b L1-3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

nemorivagus Duft. Sharova, 1958: *I1b L?2-3;* Sharova, 1964: *I1b L?2-3*

signatus Panz. Habu, Sadanaga, 1961: *S3a L1-3;* Sharova, 1964: *I1b L1-3;* Habu, Sadanaga, 1965: *I3b L1-3;* Habu, 1973: *IS3a L1-3;* Arndt, 1991: *I3a L1-3*

(Pseudanisodactylus) punctatipennis Mor. Kurosa, 1959: *S1a L3;* Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3;* Habu, 1973: *IS3a L1-3*

(Hexatrichus) poeciloides Steph. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3 (pseudaeneus);* Sharova, 1964: *I1b L1-3 (pseudaeneus);* Luff, 1993: *RDI1b L1-3*

Diachromus Er. Emden, 1942: *I1b L?2;* Makarov, 1994: *I3b L1-3*

germanus L. Emden, 1925: *S1b L?2;* Emden, 1942: *I1b L?2;* Sharova, 1958: *I1b L?2;* Sharova, 1964: *I1b L?2;* HÑ¬Òu¿ß´sÒ, 1992: *SD3b L1-3*

Bradycellus Er. Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, 1991: *DI3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Bradycellus) caucasicus Chaud. Sharova, 1958: *I1b L (collaris);* Sharova, 1964: *I1b L (collaris);* Arndt, 1991: *D3a L1-3 (collaris)*

csikii Laczo Arndt, 1991: *D3a L1-3*

harpalinus Serv. Luff, 1993: *SDI1b L1-3*

ruficollis Steph. Luff, 1993: *RDI1b L1-3*

Dicheirotrichus Jacq. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *ID1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *DI3a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Dicheirotrichus) gustavii Crotch Larsson, 1941: *IS1b L1-3 (pubescens);* Emden, 1942: *I1b L1-3;* Hurka, 1975: *R2a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *D3a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

Dicheirotrichus (Trichocellus Ganglb.) Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, 1991: *DI3a L1-3;* Makarov, 1994: *I3b L1-3*

(Trichocellus) rufithorax C.Sahlb. Hurka, 1975: *S2b L1-3;* Arndt, 1991: *D3a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

cognatus Gyll. Larsson, 1941: *I1b L?3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L1-3*

placidus Gyll. Kemner, 1913: *S1b L3;* Larsson, 1941: *I1b L?2-3;* Emden, 1942: *I1b L3;* Luff, 1981: *M2 O;* Arndt, 1991: *D3a L1-3;* Luff, 1993: *RDI1b L1-3*

Stenolophus Steph. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *DI3a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3;* Makarov, 1994: *I3b L1-3*

(Stenolophus) teutonus Schrank Schi┗dte, 1867: *S1b L?3;* Larsson, 1941: *I1b L1-3;* Raynaud, 1944: *S1b L3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, 1991: *DI3a L1-3;* Luff, 1993: *RDI1b L3*

discophorus Fisch. Arndt, 1991: *DI3a L1-3;* Arndt, 1991: *I3a L1-3*

connotatus Bat. Habu, Sadanaga, 1970: *S2a L1-3;* Habu, 1973: *IS3a L1-3*

propinquus Mor. Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3;* Habu, 1973: *IS3a L1-3*

mixtus Hbst. Arndt, 1991: *DI3a L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *I1b L3*

castaneipennis Bat. Habu, Sadanaga, 1965: *IS3a L1-3 (? iridicolor Redt.)*

cyanescens Hope Habu, Sadanaga, 1965: *IS3a L1-3;* Habu, 1973: *SI2a L1-3*

Acupalpus Latr. Larsson, 1941: *IS1b L3;* Emden, 1942: *DI1b L3;* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Hurka, 1975: *DI2b L1-3;* Hurka, 1978: *I1b 1-3;* Arndt, 1991: *DI3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3;* Makarov, 1994: *I3b L1-3*

(Ancylostria) interstitialis Rtt. Arndt, 1991: *I3b L1-3;* Arndt, 1991: *DI3a L1-3*

(Acupalpus) meridianus L. Larsson, 1941: *I1b L3;* Arndt, 1991: *I3a L1-3;* Arndt, 1991: *DI3a L1-3;* Luff, 1993: *RDI1b L3*

suturalis Dej. Arndt, 1991: *DI3a L1-3;* Arndt, 1991: *I3a L1-3*

luteatus Duft. Arndt, 1991: *DI3a L1-3;* Arndt, 1991: *I3a L1-3*

exiguus Dej. Emden, 1942: *I1b L?3*

(Palcuapus) inornatus Bat. Habu, Sadanaga, 1970: *S3a L3;* Habu, Sadanaga, 1973: *S2a L1-3;* Habu, 1973: *S1b L1-3*

Daptus Fisch. Makarov, 1994: *I3b L1-3*

Trichotichnus Mor. Habu, Sadanaga, 1970: *D3a L3 (kantoonus);* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

discrepans Mor. Habu, Sadanaga, 1970: *S3a L3;* Habu, 1973: *IS3a L1-3*

Parophonus Ganglb. Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

(Parophonus) maculicornis Duft. Arndt, 1990: *S3b L1-3;* Arndt, 1991: *I3a L1-3*

Harpalus Latr. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Sharova, 1967: *I2b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

capito Mor. Habu, Sadanaga, 1970: *S3a L1;* Habu, 1973: *IS3a L1*

eous Tschit. Habu, Sadanaga, 1970: *S3a L1;* Habu, 1973: *IS3a L1*

griseus Panz. Habu, Sadanaga, 1965: *IS3a L1;* Habu, 1973: *IS3a L1*

jureceki Jedl. Habu, Sadanaga, 1965: *IS3a L1;* Habu, 1973: *IS3a L1*

ussuriensis Chaud. Habu, Sadanaga, 1965: *IS3a L1-3;* Habu, 1973: *IS3a L1-3*

rufipes Deg. Schi┗dte, 1867: *S1b L3;* Znojko, 1929b: *S1a L1-3 (H.pubescens);* Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Sharova, 1967: *I2b L1-3;* Luff, 1981: *M2 O;* Luff, 1993: *RDI1b L1-3*

sinicus Hope Habu, Sadanaga, 1965: *IS3a L1-3;* Habu, 1973: *IS3a L1-3*

tridens Mor. Habu, Sadanaga, 1965: *IS3a L1-3;* Habu, 1973: *IS3a L1-3*

simplicidens Schaub. Habu, Sadanaga, 1970: *S3a L1;* Habu, 1973: *IS3a L1-2*

tschiliensis ssp. niigatanus Schaub. Habu, Sadanaga, 1970: *S3a L1;* Habu, 1973: *IS3a L1-3*

calceatus Duft. Znojko, 1935: *S1a L3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Sharova, 1967: *I2b L1-3;* Luff, 1993: *RDI1b L1-3*

platynotus Bat. Kurosa, 1959: *S1a L2;* Habu, Sadanaga, 1970: *S3a L12;* Habu, 1973: *IS3a L12*

signaticornis Duft. Hurka, 1992: *S3a L1-3*

tenebrosus Dej. Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3*

rufipalpis Sturm Larsson, 1941: *IS1b L1-3 (rufitarsis);* Sharova, 1964: *I1b L1-3 (rufitarsis);* Arndt, 1991: *I3a L1-3 (rufitarsis);* Luff, 1993: *RDI1b L3*

honestus Duft. Arndt, 1991: *I3a L1-3*

neglectus Serv. Luff, 1993: *SDI1b L3*

rubripes Duft. Larsson, 1941: *IS1b L2-3;* Sharova, 1964: *I1b L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

quadripunctatus Dej. Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

serripes Quens. Sharova, 1964: *I1b L2-3;* Arndt, 1991: *I3a L1-3*

serripes ssp. serripes Quens. Luff, 1993: *SDI1b L3*

pumilus Sturm Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

anxius Duft. Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

subcylindricus Dej. Arndt, 1991: *I3a L1-3*

hirtipes Panz. Arndt, 1991: *I3a L1-3*

corporosus Motsch. Habu, Sadanaga, 1970: *S3a L3;* Habu, 1973: *IS3a L3*

zabroides Dej. Sharova, 1964: *I1b L?2-3*

froelichi Sturm Sharova, 1964: *I1b L2-3*

modestus Dej. Habu, Sadanaga, 1963: *S3a L1-3 (ssp. niponensis Bat);* Habu, Sadanaga, 1965: *I3b L1-3 (ssp. niponensis Bat.);* Habu, 1973: *IS3a L1-3 (ssp. niponensis Bat.)*

tardus Panz. Larsson, 1941: *IS1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

	latus L.	Larsson, 1941: *IS1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	smaragdinus Duft.	Luff, 1993: *SDI1b L1-3*
	autumnalis Duft.	Arndt, 1991: *I3a L1-3*
	dimidiatus Rossi	Sharova, 1964: *I1b L?3 (caspius);* Arndt, 1991: *I3a L1-3*
	caspius Stev.	Sharova, 1964: *I1b L?3*
	dispar ssp. splendens Gebl.	Putshkov, 1992: *SDI32b L1-3*
	circumpunctatus Chaud.	Zetto Brandmayr, Brandmayr, 1978: *S2a L1-3*
	affinis Schrank	Schi ┗dte, 1867: *S1b L3;* Larsson, 1941: *IS1b L1-3 (aeneus);* Sharova, 1964: *I1b L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	distinguendus Duft.	Sharova, 1964: *I1b L1-3*
Acinopus Dej.		Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Sharova, 1967: *DI2b L1-3;* Hurka, 1978: *I1b L1-3;* Makarov, 1994: *I3b L1-3*
Acinopus	*(Acinopus Dej.)*	Sharova, 1967: *DI2b L1-3*
	(Acinopus) laevigatus Men.	Sharova, 1967: *I2b L1-3*
	picipes Ol.	Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3*
	(Haplacinopus) striolatus Zoubk.	Sharova, 1967: *I2b L1-3;r (Osimus Motsch.)* Sharova, 1967: *DI2b L1-3;* Hurka, 1978: *I1b L1-3;* Makarov, 1994: *I3b L1-3*
	(Osimus) ammophilus Dej.	Sharova, 1967: *S2b L1-3*
	(Oedematicus) megacephalus Rossi	Sharova, 1967: *I2b L1-3*
Ophonus Dej.		Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Sharova, 1967: *I2b L1-3;* Hurka, 1978: *I1b L1-3;* Brandmayr, Zetto Brandmayr, 1982: *D2b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
	(Metophonus) nitidulus Steph.	Brandmayr, Zetto Brandmayr, 1982: *IS2b L13;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	cordatus Duft.	Brandmayr, Zetto Brandmayr, 1982: *IS2b L13;* Arndt, 1991: *I3a L1-3*
	rupicola Sturm	Brandmayr, Zetto Brandmayr, 1982: *IS2b L13;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	puncticollis Payk.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	puncticeps Steph.	Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	schaubergerianus Puel	Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	rufibarbis F.	Larsson, 1941: *IS1b L1-3 (seladon);* Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	parallelus Dej.	Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3*
	(Hesperophonus) azureus F.	Larsson, 1941: *IS1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	(Ophonus) stictus Steph.	Sharova, 1958: *I1b L2-3 (obscurus);* Sharova, 1964: *I1b L2-3 (obscurus);* Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3*
	ardosiacus Lutsh.	Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3*
	diffinis Dej.	Emden, 1920: *S1b L1-3;* Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3*
	sabulicola Panz.	Brandmayr, Zetto Brandmayr, 1982: *IS2b L1-3;* Arndt, 1991: *I3a L1-3*
Liochirus Tschit.		Makarov, 1994: *I3b L3*
Ditomus Bon.		Brandmayr, 1975: *I2b L1-3;* Sharova, Makarov, 1983: *I1b L1-3;* Makarov, 1994: *I3b L13*
	calydonius Rossi	Brandmayr, 1975: *IS2b L1-3*
Machozethus Chaud.		Sharova, Makarov, 1983: *DI1b L3;* Makarov, 1994: *I3b L3*
	lehmanni Men.	Sharova, Makarov, 1983: *S1b L3*
Chilotomus Chaud.		Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Brandmayr, 1975: *I2b L3;* Sharova, Makarov, 1983: *I1b L3;* Makarov, 1994: *I3b L3*
	tschitscherini Sem.	Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Sharova, Makarov, 1983: *I1b L3*
Amblystomus Er.		Gardner, 1936: *S1b L?3 (A.quadriguttatus Motsch.);* Emden, 1942: *I1b L?3;* Sharova, 1964: *I1b L?3;* Hurka, 1978: *I1b L?3;* Arndt, 1991: *I3a L?3;* Makarov, 1994: *I3b L?3*
PERIGONINI		Hurka, 1978: *I1b L1-3*
Perigona Cast.		Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3*
PANAGAEINI		Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Panagaeus Latr.		Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
	bipustulatus F.	Schi ┗dte, 1872: *S1b L3;* Luff, 1980: *IS1a L3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	cruxmajor L.	Schi ┗dte, 1872: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Luff, 1980: *IS1a L3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
CALLISTINI		Larsson, 1941: *I1b L1-3 (Chlaeniini);* Emden, 1942: *ID1b L1-3;* Sharova, 1964: *I1b L1-3 (Chlaeniini);* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Callistus Bon.		Makarov, 1994: *I3b L3*
Epomis Bon.		Makarov, 1994: *I3b L3*
	circumscriptus Duft.	Boldori, 1940: *S1b L?3*
Dinodes Bon.		Makarov, 1994: *I3b L1-3*
	decipiens Duf.	Hurka, 1966: *IS1a L3;* Arndt, 1991: *I3a L1-3*
Chlaenius Bon.		Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
	(Lissauchenius) posticalis Motsch.	Habu, Sadanaga, 1965: *IS3a L1-3*
	(Stenochlaenius) coeruleus Stev.	Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3*
	(Chlaenites) spoliatus Rossi	Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1966: *IS1a L2-3;* Arndt, 1991: *I3a L1-3*
	(Chlaenius) festivus Panz.	Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1966: *IM1a L3;* Arndt, 1991: *I3a L1-3*
	velutinus Duft.	Raynaud, 1935d: *S1b L3;* Hurka, 1966: *IM1a L1-3;* Arndt, 1991: *I3a L1-3*
	flavicornis Fisch.	Sharova, 1958: *DI1b L1-3;* Sharova, 1964: *I1b L1-3*
	pallipes Gebl.	Kurosa, 1959: *S1b L3;* Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *R1a L1 I3b L1-3*
	variicornis Mor.	Kurosa, 1959: *S1b L3;* Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*
	(Chlaeniellus) nitidulus Schrank	Raynaud, 1935d: *S1b L3;* Hurka, 1966: *IS1a L3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	kindermanni Chaud.	Hurka, 1966: *IS1a L3*
	tibialis Dej.	Arndt, 1991: *I3a L1-3*
	nigricornis F.	Schi ┗dte, 1867: *S1a L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1966: *IS1a L2;* Luff, 1980: *IS1a L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*
	inops Chaud.	Habu, Sadanaga, 1965: *IS3a L1-3*
	vestitus Payk.	Schi ┗dte, 1867: *S1a L3;* Beling, 1877: *S1b L3;* Reitter, 1908: *S1b L3;* Raynaud, 1935d: *S1b L3;* Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1966: *IS1a L3;* Luff, 1980: *IS1a L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	tristis Schall.	Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1966: *IS1a L3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	tristis ssp. tristis Schall.	Luff, 1980: *IS1a L1-3*
	circumductus Motsch.	Kurosa, 1959: *S1b L3;* Habu, Sadanaga, 1961: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*
Chlaenius	*(Agostenus Stev.)*	Arndt, 1991: *I3a L?3 (Callistus);* Makarov, 1994: *I3b L1-3*
OODINI		Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Oodes Bon. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Oodes) helopioides F. Böving, 1910: *S1a L2-3;* Larsson, 1941: *I1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1980: *IS1a L2-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

gracilis A.Villa & G.Villa Luff, 1993: *SDI1b L3*

Oodes (Lachnocrepis Lec.) Emden, 1941: *I1b L?3;* Makarov, 1994: *I3b L1-3*

(Lachnocrepis) japonicus Bat. Habu, Sadanaga, 1963: *S3a L1-3;* Habu, Sadanaga, 1965: *I3b L1-3*

prolixus Bat. Habu, Sadanaga, 1971: *S1b L3*

LICININI Böving, Craighead, 1930: *I1b L1-3 (as Licininae);* Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Diplocheila Brulle Arndt, 1991: *I3b L1-3;* Makarov, 1994: *I3b L1-3*

Diplocheila (Diplocheila Brulle) Arndt, 1991: *I3b L1-3;* Makarov, 1994: *I3b L1-3*

Licinus Latr. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1970b: *S1b L1-3;* Hurka, 1978: *I1b L1-3;* Luff, 1980: *I1a L1-3;* Arndt, 1991a: *I3a L1-3;* Arndt, 1991b: *I3b L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Licinus) depressus Payk. Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Luff, 1980: *IS1a L1-3;* Arndt, 1991: *I3a L1-3;* Arndt, 1991b: *I3b L1-3;* Luff, 1993: *RDI1b L1-3*

cassideus F. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Arndt, 1991: *I3a L1-3;* Arndt, 1991b: *I3b L1-3*

silphoides Rossi Arndt, 1991: *I3a L1-3;* Arndt, 1991b: *I3b L1-3*

(Neorescius) hoffmannseggi Panz. Arndt, 1991: *I3a L1-3;* Arndt, 1991b: *I3b L1-3*

Licinus(Tricholicinus Popp.) Makarov, 1994: *I3b L3*

Badister Clairv. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Luff, 1980: *I1a L1-3;* Arndt, 1991a: *I3a L1-3;* Arndt, 1991b: *I3b L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Badister) bullatus Schrank Schi└dte, 1872: *S1b L3 (bipustulatus);* Larsson, 1941: *I1b L2-3;* Sharova, 1958: *I1b L2-3 (bipustulatus);* Sharova, 1964: *I1b L2-3 (bipustulatus);* Luff, 1980: *IS1a L1-3;* Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

unipustulatus Bon. Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

(Trimorphus) sodalis Duft. Luff, 1980: *IS1a L2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

MASOREINI Emden, 1942: *ID1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Masoreus Dej. Gardner, 1938: *S1b L?3 (M.orientalis);* Emden, 1942: *I1b L3;* Sharova, 1958: *I1b L3;* Sharova, 1964: *I1b L3;* Hurka, 1978: *I1b L3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-2*

wetterhalli Gyll. Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Luff, 1993: *RDI1b L1-3*

TETRAGONODERINI Emden, 1942: *ID1b L?3;* Makarov, 1994: *I3b L?3*

Tetragonoderus Dej. Emden, 1942: *I1b L?3;* Makarov, 1994: *I3b L?3*

CORSYRINI Sharova, 1958: *I1b L1-3 (Masoreini);* Sharova, 1964: *I1b L1-3 (Masoreini)*

Corsyra Dej. Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Makarov, 1994: *I3b L1-3*

fusula Stev. in Dej. Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3*

Discoptera Sem. Makarov, 1994: *I3b L1-2*

ODACANTHINI Larsson, 1941: *I1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Odacantha Payk. Rosenberg, 1903: *S1b L3;* Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3;* Makarov, 1994: *I3b L1-3*

melanura L. Larsson, 1941: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

LEBIINI Böving, Craighead, 1930: *I1b L1-3 (as Lebiinae and Dromiinae);* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

Lebia Latr. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Capogreco, 1989: *S2a L1-2;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*

(Lamprias) chlorocephala Hoffm. Rosenberg, 1903: *S1b L?1;* Larsson, 1941: *I1b L1-2;* Lindroth, 1954a: *S1a L1-2;* Arndt, 1991: *I3a L1-2;* Luff, 1993: *RDI1b L1-2*

(Lebia) scapulairs Fourcr. Silvestri, 1904: *S1b L?2*

Parena Motsch. Gardner, 1933: *S1b L?3 (P.nigrolineata Chaud.);* Emden, 1942: *I1b L?3;* Habu, Sadanaga, Minamikawa, 1963: *S3b L1-3 (P.nigrolineata nipponensis);* Habu, Sadanaga, 1967: *S3a L1-3;* Habu, 1981: *S3a L1-3 (P.cavipennis Bat.);* Makarov, 1994: *I3b L1-3*

perforata Bat. Habu, Sadanaga, 1967: *S3a L1-3*

Cymindoidea Cast. Gardner, 1936: *S1b L?2 (C.indica);* Emden, 1942: *I1b L?2;* Sharova, 1958: *I1b L?2;* Sharova, 1964: *I1b L?2;* Makarov, 1994: *I3b L?2*

Demetrias Bon. Emden, 1920: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a 1-3;* Luff, 1993: *RDI1b L1-3*

(Demetrias) atricapillus L. Luff, 1981: *M2 O;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

monostigma Sam. Larsson, 1941: *I1b L;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

Dromius Bon. Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Mahar, Stehr, Simmons, 1983: *D1b L1-3;* Arndt, 1989: *I3b L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

(Dromius) agilis F. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

meridionalis Dej. Luff, 1993: *SDI1b L3*

quadrimaculatus L. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3*

Paradromius Fowl. Sharova, 1958: *I1b L1-3 (Dromius);* Sharova, 1964: *I1b L1-3 (Dromius)*

(Paradromius) longiceps Dej. Luff, 1993: *SDI1b L3*

(Manodromius) linearis Ol. Larsson, 1941: *IS1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

(Calodromius) spilotus Ill. Luff, 1993: *SDI1b L3*

(Philorhizus) melanocephalus Dej. Larsson, 1941: *IS1b L?3;* Luff, 1993: *RDI1b L3*

notatus Steph. Luff, 1993: *SDI1b L3*

Syntomus Hope Gardner, 1931: *S1b L?3 (M. cymindulus);* Larsson, 1941: *IS1b L?3 (S.?truncatellus);* Emden, 1942: *I1b L2-3;* Sharova, 1958: *I1b L2-3;* Sharova, 1964: *I1b L2-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1989: *I3b L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L3;* Makarov, 1994: *I3b L1-3*

truncatellus L. Luff, 1993: *SDI1b L3*

Charopterus Motsch. Makarov, 1994: *I3b L3*

Microlestes Schm.-Goeb. Arndt, 1989: *I3b L1-2;* Arndt, 1991: *I3a L1-2;* Luff, 1993: *RDI1b L3;* Makarov, 1994: *I3b L1-3*

Lionychus Wissm. Arndt, 1991: *I3a 1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*

quadrillum Duft. Arndt, 1989a: *I3bS2b L1-2;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*

Plochionus Latr. & Dej. Emden, 1942: *I1b L?3;* Hurka, 1978: *I1b L?3;* Arndt, 1991: *I3a ?L1-3;* Makarov, 1994: *I3b L*

	pallens F.	Duffey, 1891: *S1b L?3;* Emden, 1942: *I1b L3;* Larson, 1969: *IS1b l3;* Arndt, 1991: *I3a L1-3*
Cymindis Latr.		Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1-3;* Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1969: *D1b L1-3;* Hurka, 1978: *I1b L1-3;* Hurka, 1986: *D3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3;* Makarov, 1994: *I3b L1-3*
Cymindis	*(Cymindis Latr.)*	Hurka, 1986: *ID3b L1-3*
	(Cymindis) angularis Gyll.	Hurka, 1969: *IS2bV L1-3;* Hurka, 1986: *IS3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	axillaris F.	Hurka, 1986: *IS3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *I1b L3*
	humeralis Fourcr.	Hurka, 1969: *IS2bV L1-3;* Hurka, 1986: *IS3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	lineata Quens.	Hurka, 1986: *IS3b L1-3*
	scapularis Schaum	Hurka, 1986: *IS3b L1-3;* Arndt, 1991: *I3a L1-3*
	asiabadense ssp. kryzhanovskii Emetz	Hurka, 1986: *IS3b L1-3*
	(Paracymindis) mannerheimi Gebl.	Hurka, 1986: *IS3b L1-3*
	(Menas Motsch.)	Hurka, 1986: *D1b L1-3*
	(Menas) variolosa F.	Hurka, 1986: *IS3b L1-3;* Arndt, 1991: *I3a L1-3*
	(Pseudocymindis) collaris Motsch.	Hurka, 1986: *IS3b L1-3;r (Tarsostinus Motsch.)*Hurka, 1986: *ID3b L1-3*
	(Tarsostinus) lateralis Fisch.	Hurka, 1986: *IS3b L1-3*
	macularis Fisch.	Hurka, 1986: *IS3b L1-3Arndt, 1991: I3a L1-3;* Luff, 1993: *RDI1b L1-3*
	(Tarulus) vaporariorum L.	Hurka, 1969: *IS2bV L1-3;* Hurka, 1986: *IS3b L1-3;* Arndt, 1991: *I3a L1-3;* Luff, 1993: *RDI1b L1-3*
ANTHIINI		Emden, 1942: *ID1b L1-2;* Sharova, 1958: *DI1b L1-2;* Makarov, 1994: *I3b L1-2*
Anthia Web.		Emden, 1942: *I1b L1-2;* Sharova, 1958: *I1b L1-2;* Makarov, 1994: *I3b L1-2*
DRYPTINI		Emden, 1942: *ID1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
Drypta Latr.		Emden, 1942: *I1b L1-3;* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Habu, Sadanaga, 1965: *IS3a L1-3;* Habu, Sadanaga, 1966: *S2b L3 (D.japonica Bat.);* Raynaud, 1970a: *S1b L3;* Hurka, 1978: *I1b L1-3;* Arndt, 1991: *I3a L1-3;* Makarov, 1994: *I3b L1-3*
	dentata Rossi	Meshil, Petre, 1931: *L? (P.strenuus);* Sharova, 1958: *I1b L1-3;* Sharova, 1964: *I1b L1-3;* Raynaud, 1970a: *S1b L3;* Arndt, 1991: *I3a L1-3*
ZUPHIINI		Emden, 1942: *ID1b L?3;* Arndt, 1991: *I3a L?3*
BRACHININAE		Hurka, 1978: *I1b L1-3*
BRACHININI		Larsson, 1941: *I1b L1;* Emden, 1942: *ID1b L1;* Sharova, 1958: *I1b L1;* Sharova, 1964: *I1b L1;* Hurka, 1978: *I1b L1-3;* Makarov, 1994: *I3b L1-3*
Aptinus Bon.	Hurka, 1978: *I1b L1;* Makarov, 1994: *I3b L1*	
Brachinus Web.		Wickham, 1893: *S1b L1;* Znojko, 1929b: *I1b L1-3;* Larsson, 1941: *IS1b L1;* Emden, 1942: *I1b L1;* Sharova, 1958: *I1b L1;* Wautier, 1964: *D1a L1;* Sharova, 1964: *I1b L1;* Habu, Sadanaga, 1965: *S2b L1 (incomptus);* Ervin, 1967: *S2a L1-3P (pallidus);* Hurka, 1978: *I1b1;* Arndt, 1985: *I3b L1;* Luff, 1993: *DI1b L1;* Makarov, 1994: *I3b L*
	crepitans L.	Larsson, 1941: *I1b L1;* Wautier, 1964: *I1bS1b L1;* Luff, 1993: *RDI1b L1*
	exhalans Rossi	Wautier, 1964: *I1bS1b L1*
	nigricornis Gebl.	Wautier, 1963: *S1b L1;* Wautier, 1964: *I1b L1*
	sclopeta F.	Wautier, 1964: *I1bS1b L1*
Pheropsophus Sol.		Emden, 1919: *S2b L1 (hispanus);* Boldori, 1939: *S1b L1 (africanus);* Emden, 1942: *I1b L1;* Habu, Sadanaga, 1963: *S2b L2-3;* Habu, Sadanaga, 1965: *IS3a L2-3;* Hurka, 1978: *I1b;* Makarov, 1994: *I3b L*
PAUSSINI		Makarov, 1994: *I3b L1*
Paussus L.		Böving, 1907: *S1a L1;* Makarov, 1994: *I3b L1*

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4 Index*

Index of genus-group and suprageneric names

* **In the Index, only valid (=acknowledged) taxa are given** bold**. First the Index refers to the suprageneric and generic-group names, followed by all species-group and infrasubspecific categories.**

Index of species-group and infrasubspecific names

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Amara foveibasis Jedliºka 1956 Stat. nov.
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Asaphidion abnormicolle Heyden 1882 Syn. nov.
Bembidion apterum Netolitzky 1930 Syn. nov.
Bembidion beybienkoi Kryzhanovskij 1979 Stat. nov.
Bembidion davatchii Morvan 1971 Stat. nov.
Bembidion imitator K. Daniel 1902 Stat. nov.
Bembidion iridipiceum Fassati 1957 Stat. nov.
Bembidion prostratum Motschulsky 1844 Stat. nov.
Bembidion sajanum Shilenkov Nom. nov.
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Bembidion mugeti Jedliºka 1937 Syn. nov.
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Bembidion sunicum Khnzorian 1970 Syn. nov.
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Callisthenes rostislavi Semenov 1906 Stat. nov.
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Carabus vernus Semenov & Znojko 1932 Stat. nov.
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Cymindis transversithorax Reitter 1923 Syn. nov.
Cymindis tristis Jakovlev 1887 Syn. nov.
Dicheirotrichu amplipennis H.Bates 1873 Stat. nov.
Dicheirotrichu ponojensis J.Sahlberg 1875 Stat. nov.
Dicheirotrichu punctidorsis Reitter in Tschitschérine 1899 Stat. nov.
Dicheirotrichu angustulus J.Sahlberg 1880 Syn. nov.
Dicheirotrichu gottwaldi Jedliºka 1966 Syn. nov.
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Harpalus dinniki Lutsh. 1933 Syn. nov.
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Harpalus kolenatii Lutshnik 1922 Syn. nov.
Harpalus retowskianus Reitter 1887 Syn. nov.
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Harpalus rhemboides conradti Schauberger 1934 Syn. nov.
Harpalus rotundangulus Jedliºka 1957 Syn. nov.
Harpalus rotundicollis Kolenati 1845 Syn. nov.
Harpalus sachalinensis Matsumura 1911 Syn. nov.
Harpalus sibiricus Csiki 1932 Syn. nov.
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Microderes heterostrictus Tschitschérine 1898 Stat. nov.
Nebria kubanensis Lutshnik 1921 Syn. nov.
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Pseudotaphoxen jureceki Jedliºka 1952 Stat. nov.
Pseudotaphoxen striatipennis Casale 1988 Stat. nov.
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Pterostichus kutensis Poppius 1906 Syn. nov.
Pterostichus laskendariensis Kirschenhofer 1982 Syn. nov.
Pterostichus lederi Tschitschérine 1894 Syn. nov.
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Pterostichus tescorum Tschitschérine 1898 Syn. nov.
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