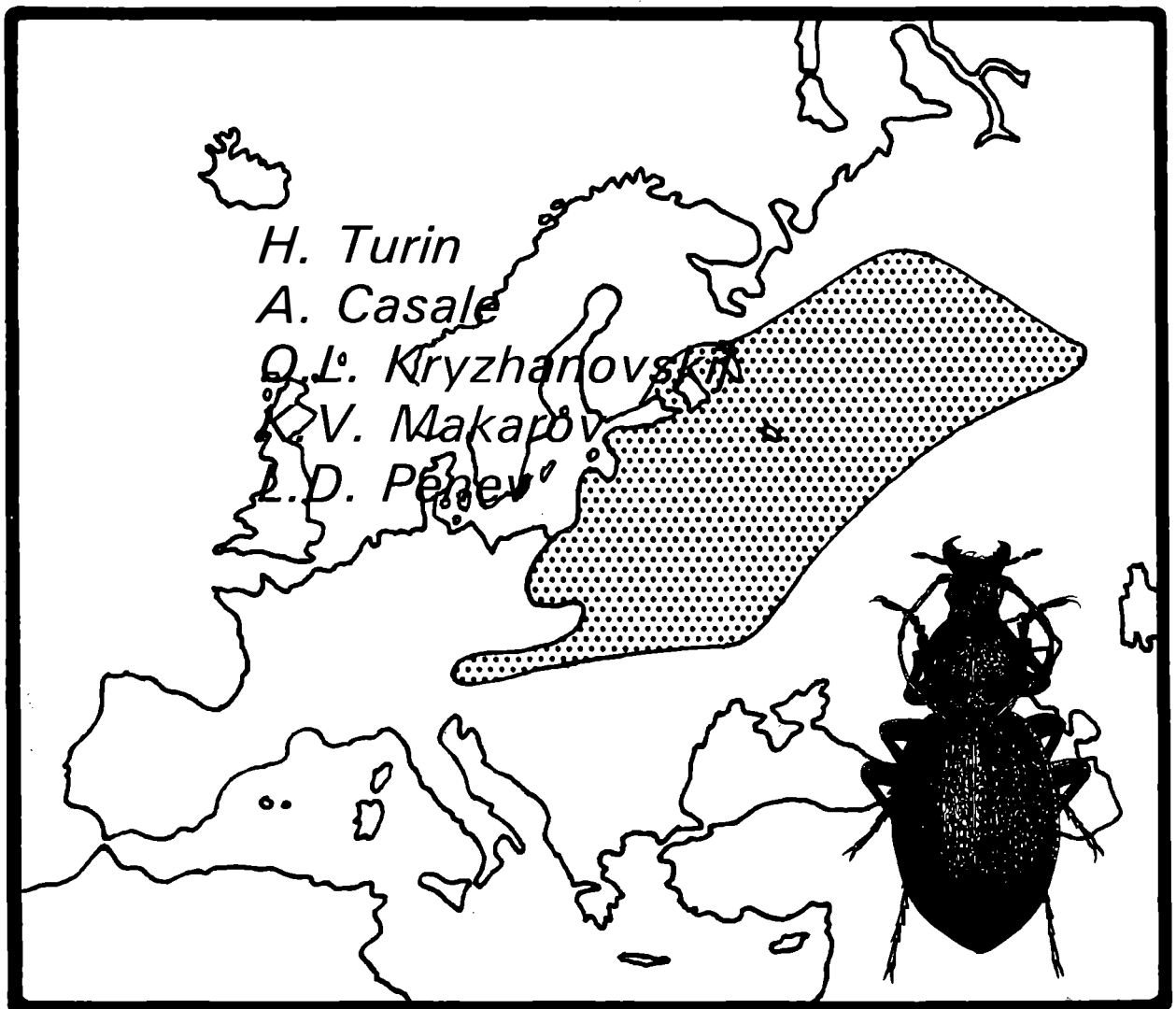


Checklist and Atlas of the Genus *Carabus* Linnaeus in Europe (Coleoptera, Carabidae)



Universal Book Services / Dr. W. Backhuys

Leiden - 1993

Checklist and Atlas of the Genus *Carabus* Linnaeus in Europe (Coleoptera, Carabidae)

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Checklist and Atlas of the genus *Carabus* Linnaeus in Europe (Coleoptera, Carabidae).

H. Turin, A. Casale, O.L. Kryzhanovskij, K.V. Makarov & L.D. Penev.

Abstract: Turin, H., A. Casale, O.L. Kryzhanovskij, K.V. Makarov & L.D. Penev, 1992. Checklist and Atlas of the genus *Carabus* Linnaeus in Europe (Coleoptera, Carabidae) - Universal Book Services / Dr. W. Backhuys, Leiden. This new checklist concerns all 132 *Carabus*-species of the European mainland, including the European part of the former Soviet Union up to the Ural Mountains, as well as the mediterranean islands. Caucasian species were excluded as their numerous taxonomic problems require detailed study beforehand. A special discussion on classification from the viewpoint of larval morphology is added. Some recent classifications of the genus *Carabus* s.l. into several, distinct genera are discussed as well. The distribution of the species is given according to their presence in 39 European regions for which catalogues or atlases are available, with special attention to Eastern Europe. Also, their presence in some adjacent parts has been indicated, such as North Africa, Asia Minor and the Caucasus. For each species a distribution map is presented.

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Introduction

Since the monograph by Breuning (1932-1937), the European *Carabus* have been subject of numerous detailed taxonomic and biological studies. Because of the relatively high number of species, subspecies, micro-races and hybrids in this genus, there are many opinions about sub-generic and sub-specific classification. Especially in complex areas such as the Caucasus where ca. 120 species occur, a reliable overview is hardly possible. Europe, particularly the eastern part, is still more or less "terra incognita" for workers in western Europe, despite all taxonomical and biogeographical research done by workers in

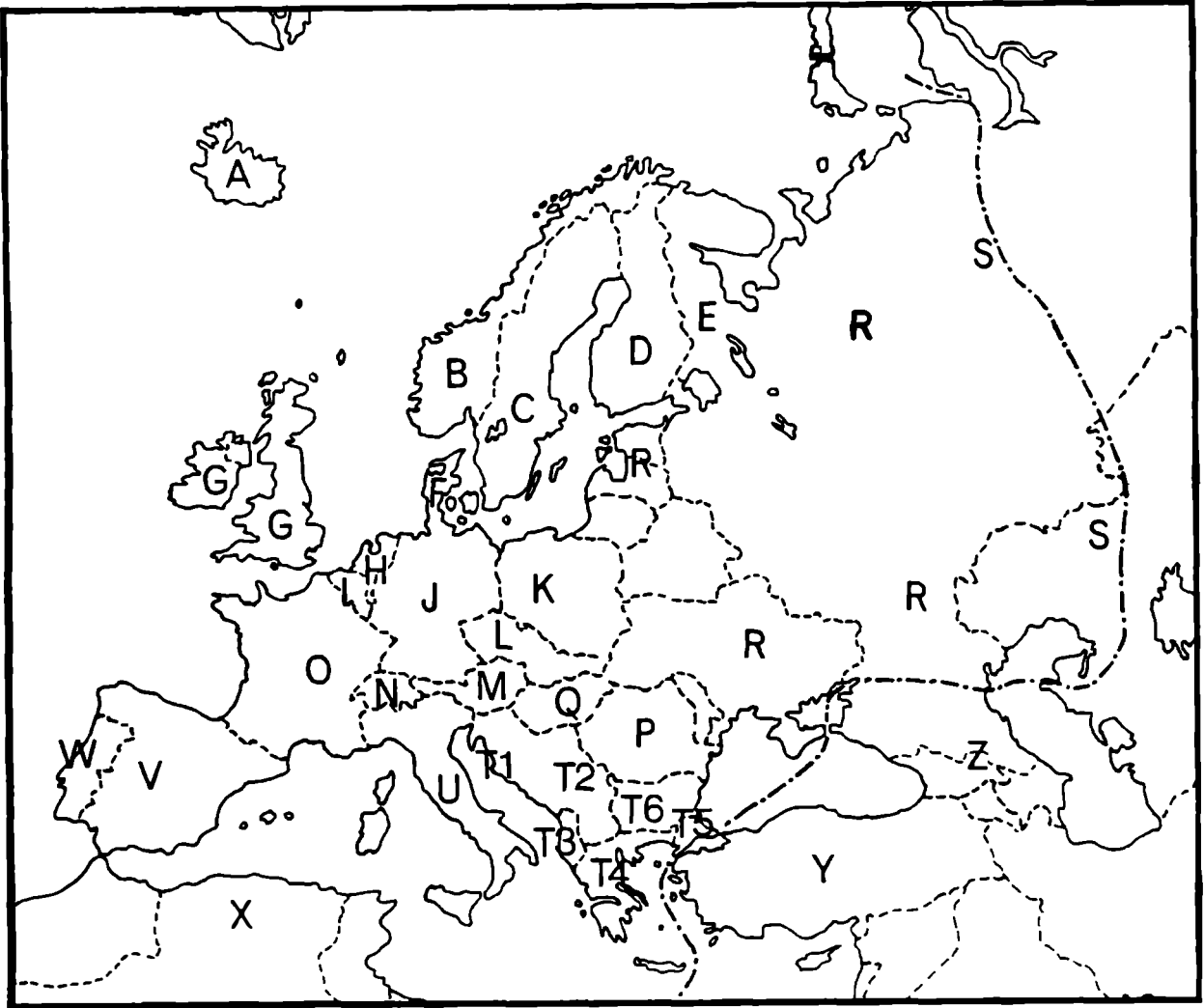


Figure 1. Map of Europe, indicating the territory covered by the present list (see also text and fig. 2). The letters refer to the overview of species' distributions given in table 2 (page 40-42). A = Iceland; B = Norway; C = Sweden; D = Finland; E = Russian Fennoscandia; F = Denmark; G = British Isles; H = The Netherlands; I = Belgium and Luxembourg; J = Germany; K = Poland; L = Czechoslovakia; M = Austria; N = Switzerland; O = France; P = Rumania; R+S = Former European part of the Soviet Union (for a more detailed division see fig. 2); T = Balkan peninsula: T1 = Slovenia, Croatia, Bosnia, Herzegovina, Montenegro, T2 = Serbia; Yugoslavian Macedonia; T3 = Albania; T4 = Greece; T5 = European part of Turkey; T6 = Bulgaria; U = Italy; V = Spain; W = Portugal. X-Z = Adjacent areas: X = North Africa, Y = Asia Minor and Z = Caucasus.

the former Soviet-Union. Recent developments however, opened the possibility to cooperate and to form multinational groups of workers from both eastern and western Europe. The first result of such a cooperation is the present checklist, which also includes the overview of species' distributions given in table 2 (see: page 40-42) and a distribution map for each species. For the East European territory the distributional data are in the first place based on the work of Kryzhanovskij (1965), with later additions by him and Makarov (cf. Kryzhanovskij & Makarov et al. 1992) and recent mapping by Penev. For western Europe and especially the complicated mediterranean region in southern Europe, the list is based on the work of many, mainly French and Italian taxonomists and biogeographers.

Outline of the checklist

Carabus is mainly a palaearctic genus (table 1); only a few species occur in North America and in the Oriental region. Breuning (1932-1937) recognized ca. 480 species, whereas at present the world list includes at least 700 species (Blumenthal, 1991; Ratti et al. 1990; Deuve, 1991) (see table 1). The number of subspecies can still not be reliably estimated, as it is unclear in many cases whether certain forms can be considered proper species, subspecies, or micro-races. The aim of the present study is primarily to provide a basis for ecological and biogeographical studies of the genus *Carabus* on an European scale and it focusses therefore on the species-level taxonomy. Table 1 shows that the inclusion of the Caucasus would have increased the number of species dramatically. Besides this, despite many investigations in this area, the taxonomic problems are still too numerous and complex, necessitating a special approach. The outline of the territory covered by the present checklist only includes the European continent, but excludes both the northern

Nr.	Region	Number of species	
1	Europe, except former USSR	112	Europe 132
2	Eastern Europe (former USSR)	50	
3	Caucasus	121	
4	Former Soviet Middle Asia	86	
5	Siberia	55	
6	Former Soviet far East	35	
7	Japan	32	
8	Mongolia	20	
9	China	260	
10	Indochinese peninsula	8	
11	Middle East, except former USSR	35	
12	Near East (Anatolia)	106	
13	North Africa (Egypt, Morocco, Canary Islands)	12	
14	North America	16	

Table 1. Overview of the area covered by *Carabus* s.l. and the approximate numbers of species for some large regions in this area. These figures were in the first place obtained from the new world list by Deuve (1991). For some regions, further references were consulted: 1-2: The present list and Kryzhanovskij (1965); 2-6: Kryzhanovskij, Makarov et al. (1992); 12: Darge (1991); 13: Alfieri (1976), Antoine (1955), Bedel (1895-1914), Machado (1992) and Lagar Mascaró (1965); 14: Erwin et al., (1977). Because the various papers differ strongly about which taxa have to be considered species or subspecies respectively, the above mentioned figures give only a rough impression of the relative species richness.

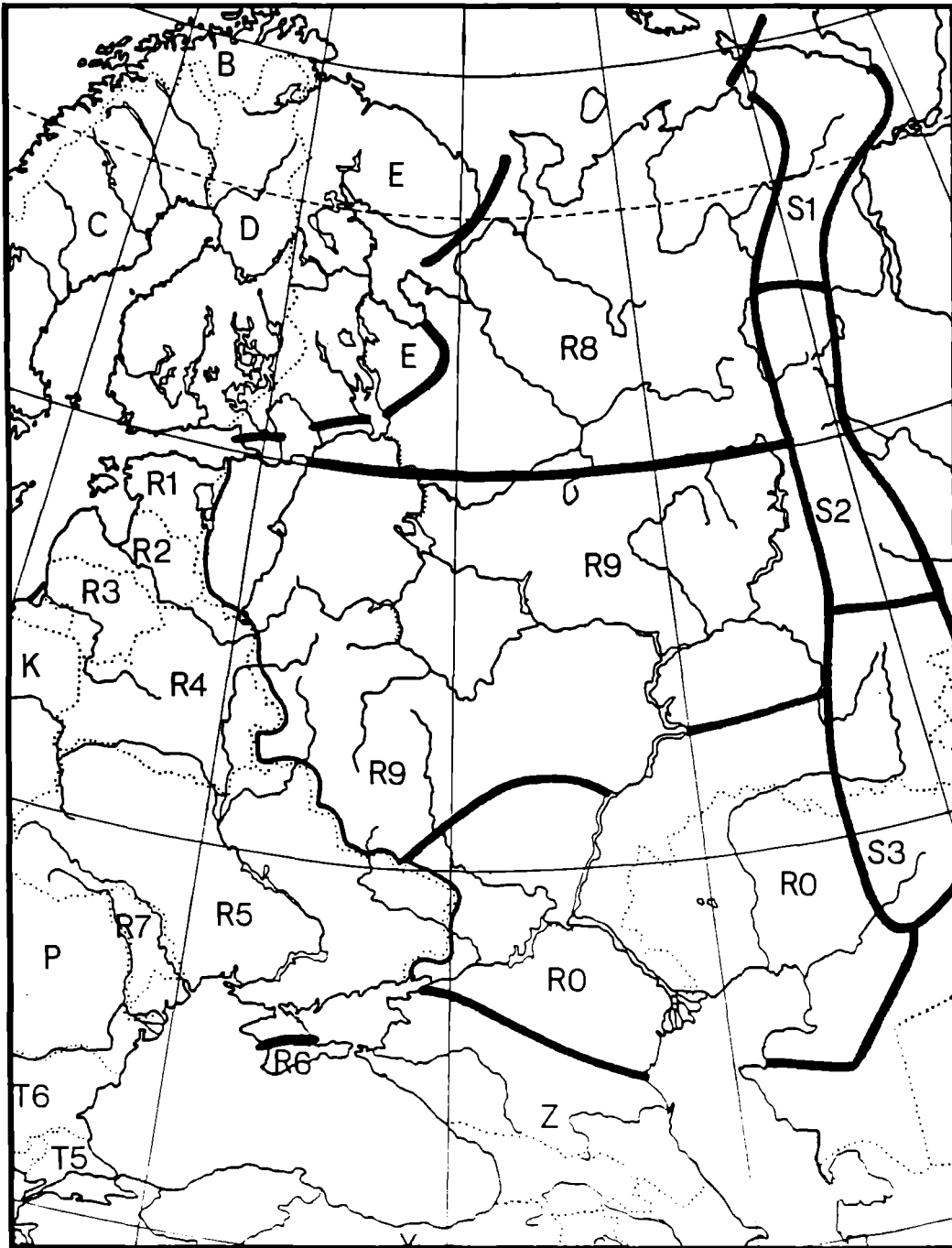


Figure 2.

Division of the East-European plain (see also fig. 1). The letters refer to the overview of species' distributions given in table 2 (page 40-42). B = Norway; C = Sweden; D = Finland; E = Russian Fennoscandia; K = Poland; P = Rumania; R+S = Former European Soviet-territory (see notes in the text), R = East European plain: R1 = Estonia; R2 = Latvia; R3 = Lithuania; R4 = Byelorussia; R5 = Ukraine (including Crimea); R6 = Crimea (separately); R7 = Moldova; R8 = North-Eastern European Russia; R9 = Central European Russia; R0 = Southern European Russia; S = Urals: S1 = Northern Ural mountains; S2 = Central Ural mountains; S3 = Southern Ural mountains; T5 = European Turkey; T6 = Bulgaria. Y-Z = Adjacent areas: Y = Asia Minor; Z = Caucasus.

slope of the Caucasus Major and the adjacent Ciscaucasian plain (fig. 1 and 2). The southern border is given by the Mediterranean Sea, and thus excludes the Canary Islands as well. Concerning the figures presented in table 1, one should be aware of the overlap in the faunas of adjacent areas. This is illustrated by the species' numbers for the first two regions, which in fact, together cover the present list.

Sub-generic classification

As already mentioned, several solutions are possible for sub-generic division and ordering. The present classification was proposed by Makarov (1988, 1990 and 1991; see also Kryzhanovskij, Makarov et al., 1992), with slight modifications mainly by the other authors and according to the world list of Deuve (1991). The classification in the present list takes into consideration both imaginal and larval characters.

A general taxonomic survey based on larval characters

The significant individual and geographical variability of the genus' representatives has led to the description of many forms, which, in turn, limited further analysis of its taxonomy (sensu Mayr, 1969). Starting with the first comprehensive works (e.g. Gehin & Haury, 1885), more than 100 infra-generic groups have been described so far and their composition and borders hitherto are widely discussed. Some authors (Jeannel, 1941-1942; Ishikawa, 1978, 1979) prefer to divide the genus *Carabus* into a number of distinct genera.

In order to solve classificatory problems, some taxonomists turned to features of the male genital apparatus (e.g. Franz, 1924; Gottwald, 1980, 1985; Ishikawa, 1973, 1978, 1979; Kurnakov, 1959; Jeannel, 1941-1942; Meurgues & Ledoux, 1966; Yablokov-Khnzoryan, 1963 etc.). Other workers, however, focused on the morphology of the larval stages (Bengtsson, 1927; Lapouge, 1904, 1929; in part Ishikawa, 1979).

The youngest revision of the genus *Carabus* on a world scale was made by Deuve (1991). He followed the system by Ishikawa (1973, 1978, 1979), using the endophallic structures as main criteria for a classification of infra-generic *Carabus* taxa (for the use of genital structures in systematics, see Makarov, 1991). For example, *Lipastromorphi* Deuve, (1991) turned out to be a combined group, as *Lipaster* sensu Ishikawa (see below). In the complex *Carabus* s.str. several species (from *Nesaeocarabus* Bedel, 1895, *Eurycarabus* Gehin, 1876), known as classic *Metacarabus* representatives (Arndt, 1985; Raynaud, 1975) were also included. We also consider as most artificial the close ranking of *Autocarabus* Seidl., 1887 and *Aulonocarabus* Rett., 1896. These taxa greatly differ in larval morphology and in our opinion belong to distinct phyletic branches. At the same time, Deuve (1991) suggested several valuable improvements in the system of *Carabus*, such as the composition of *Autocarabus* (but not, as mentioned above, the position of it within the genus structure), and the grouping of *Morphocarabus* Gehin, 1885, excluding *C. gaschkewitchi* Motsch., 1859, which belongs to subgenus *Aulonocarabus* (Shilenkov & Makarov, in litt).

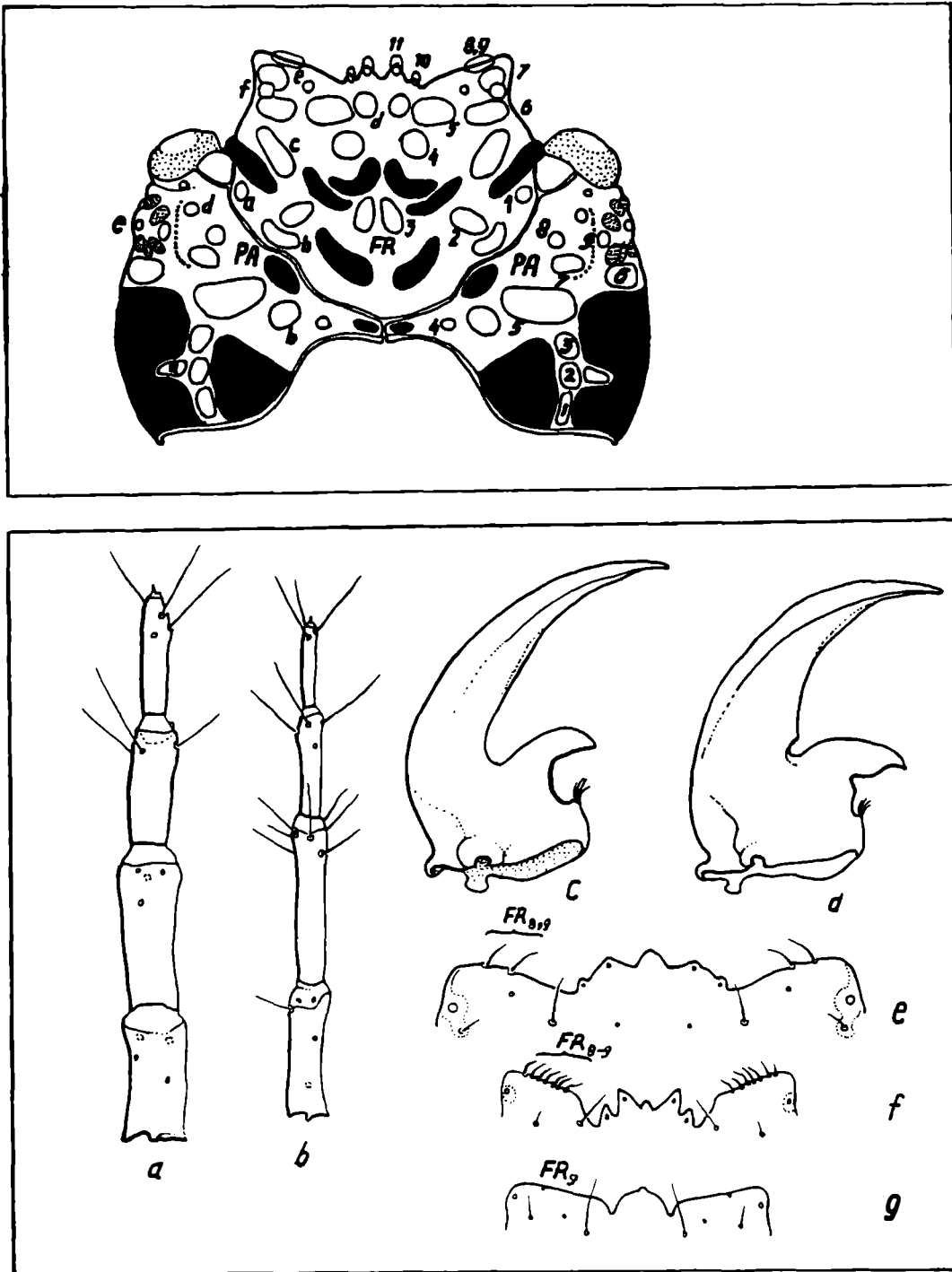


Figure 3 and 4. Fig. 3: Scheme of sensillae and sigillae (black spots) disposition on the dorsal surface of the larvae cranium in *Carabini* (generalized). The numbers and letters indicate the sequence of sensillae after Bousquet & Goulet (1984).

Fig. 4: The main morphological features of *Carabus* larvae in the different subgeneric groups (see also text): 4a,c,e = *C. granulatus* (ARCHEOCARABUS-complex); 4d,f = *C. hungaricus* (METACARABUS-complex); 4b,g = *C. irregularis* (NEOCARABUS-complex); 4a,b = left antenna; 4c,d = left mandible and 4e,f,g = nasale and paraclypeus (dorsal view).

The opportunity of applying larval characters in the taxonomy of *Carabus* was often discussed from different view points (Arndt, 1985; Breuning, 1932-1936; Casale et al., 1982; Hurka, 1961, 1971; Sturani, 1962). This resulted in dividing *Carabus* into three natural groups, which were afterwards interpreted as morpho-ecological types (Arndt, 1985; Hurka, 1971).

The appearance of research methods for the sensory structure initiated a new phase in larval investigations. But the representatives of the tribe *Carabini* are poorly suited for such explorations due to their strong sclerosis and pigmentation, accompanied by a significant modification of sensillae composition. This makes it almost impossible to identify the sensillae only through their disposition.

For homologation of the sensory structures we used additional features -- the sigillae -- the points of muscles and endoskeleton attachment. The comparative-anatomic study of many *Carabinae* species allowed to distinguish and designate about a hundred sigillae. During the investigation of variability in the topography of the sensillae and sigillae in about 200 species of *Carabus*, most of the chaetom structures were homologized and maps of their "areals" were compounded (fig. 3). The use of these structures as markers enabled the structure-functional analysis of macroscopic larval characteristics (Makarov, 1989 a,b). These data were used as a basis for the system of larvae morpho-ecological types in *Carabus* (Makarov, 1987), as well as for the preliminary analysis of the genus' taxonomy (Makarov, 1988, 1990, 1991). Our scheme of the phylogenetic relationships includes three main clusters, which generally coincide with the groups recognized before (Bengtsson, 1927; Breuning, 1932-1936; Lapouge, 1929), although the value and composition of some taxa are significantly reconsidered.

The group *Archeocarabus* Bengtsson, 1927 (for the group-designation we use the Bengtsson's names according to priority principle) approximately corresponds to *Carabi carabogenici* Breuning 1932 (= *Serrilabres* Lapouge, 1929, = *Carabogenies* Lapouge, 1931, = *Carabogenici*+*Spinulati* Ishikawa, 1978) and includes relatively "young" species. Their apomorphic larvae more or less dominate soil strata. From this morphological view point, the larvae of this group are distinguished by the absence of setae on antennomeres I-II, more or less reduced FR 8,9 and a simple form of mandible distal part (fig. 4a,c,e).

The group *Metacarabus* Bengtsson, 1927 (= *Carabi multistriati* Breuning, 1932, = *Quadricuspides* Lapouge, 1929, = *Multistries* Lapouge, 1931, = *Multistriati* (part) Ishikawa, 1978) is distinguished by the plesiomorphic larval features (in particular with *Calosoma* Web., 1801 and *Callisthenes* Fisch., 1821 common ones), which are adapted to their existence mainly in the litter-soil layer. As the *Archeocarabus*, the members of this group have no additional setae on basal antennomeres (fig. 4a), but possess the additional tooth in the basis of the mandible distal part and developed (sometimes sufficiently multiplied) setae group FR 8,9 (fig. 4d,f).

The numerous *Neocarabus* Bengtsson, 1927 (= *Carabi longimandibulares* Breuning, 1932, = *Rostrilabres* + *Quadricuspides* (part) Lapouge, 1929, = *Psiliogenes* + *Pliochetes* + *Tribacogenies* Lapouge, 1931, = *Multistriati* (part) Ishikawa, 1978) are morphologically the most heterogeneous. The majority of this group demonstrate the different, frequently very profound morphological specialisation; in spite of the fact that several species kept several plesiomorphic features (see below). It is interesting, that in some species the imagines are morphologically extraordinary variable (for example *Cratocephalus* s.lato), and the larvae relatively monomorphic. On the contrary, species from rather monomorphic Caucasian *Tribax* have morphologically strongly distinguished larvae. The *Neocarabus* larvae possess the secondary setae on antennomeres I-II and reduced FR 8,9 (fig, 4b,g)).

Below, we consider the main changes in the *Carabus* systematic grouping for the species that belong to the European *Carabus* fauna.

THE ARCHEOCARABUS-COMPLEX

Breuning (1932-1937) classified the species of *Archeocarabus* into three subgenera. In our opinion, one of them, the asiatic *Cyclocarabus* Reitt., 1896 belongs to *Neocarabus* and the subgenus *Carabus* s.str. sensu Breuning has to be separated from it. The position of *Apotomopterus* Hope 1838 in the genus system remains highly isolated. Not long ago, numerous representatives of *Metacarabus* (subgenera *Aulonocarabus* Reitt., 1896, *Diocarabus* Reitt., 1896, *Leptocarabus* Gehin, 1885 and *Semnocarabus* Reitt. 1896 in our opinion), were considered among *Carabus* s.str. We consider it acceptable to group the remaining species in the following way (Makarov, 1990):

a) The subgenera *Trachycarabus* Gehin, 1885 and *Morphocarabus* Gehin, 1885 including the forms whose larvae are specialized to existence in the soil; they possess a reduced set of tergal and, especially, sternal setae, and also specific cranion chaetotaxy. The larvae of the European species of these subgenera are distinguished very clearly, but the presence of some intermediate forms (*C. latreillei* Fisch., 1822 and others) may induce to join them in future. Some species of *Morphocarabus*, related to *C. odoratus* (*C. karpinskii* Kryzhanovskij & Matveev, in litt, *C. chamissonis* Fisch., 1822, *C. mestscherjakovi* Lutsh., 1924 and others) occupy a rather isolated position. Their larvae have several characteristics in common with *Eucarabus* Gehin 1885. The most related subgenera are the Middle Asiatic *Ophiocarabus* Reitt., 1896 and *Cryptocarabus* Reitt., 1896.

b) The composition of the subgenera *Eucarabus* and *Carabus* s.str. is rather heterogeneous. We abstain from further division of them because of scanty material. Among them are several groups of closely related species that can easily be distinguished: *C. arvensis* Herbst, 1784 + *C. stscheglowi* Mnnh., 1827; *C. cancellatus* Ill., 1798 + *C. obsoletus* Sturm, 1815 + *C. auratus* L., 1758 + *C. vagans* Ol., 1795; *C. ullrichi* Germ., 1824 + *C. catenulatus* Scop., 1763 + *C. italicus* Dej.,

1826; the complex of species close to *C. granulatus* L., 1758. *C. clathratus* L., 1761 is worth to be isolated in the separate subgenus *Limnocarabus* Gehin, 1885 (but not to re-approach with *Apotomopterus*, as Ishikawa suggested). Probably, the name *Carabus* s.str. should be kept only for the species group of *C. granulatus*, while the remaining species should be attributed to *Eucarabus*. The Middle Asiatic *Acrocarabus* Lap., 1931, have many plesiomorphic features, and they show distinct similarity with the most primitive *Eucarabus*.

c) Finally, *Archicarabus* Seidl., 1887 we accepted in the system, close to the approach of Breuning. The peculiar *Mimocarabus* Gehin, 1885 are close to *Archicarabus* and *Trachycarabus* because of some characteristics; these taxa are considered as related.

THE METACARABUS-COMPLEX

We accept the group *Metacarabus* sensu Breuning (1932-1937) which includes a number of subgenera *Carabi carabogenici* sensu Breuning (see above). The larvae of this group display a greater morphological similarity between the species than *Archeocarabus* larvae. We suppose that in the European fauna it is worth to distinguish the following subgenera complex:

a) The subgenus *Hemicarabus* Gehin, 1885 represents the original species group, having some features in common with the group *Archeocarabus*. *Homeocarabus* Reitt., 1896, distributed in the East Palaearctic and Nearctic, is very close to this subgenus.

b) The most "typical" *Metacarabus* are represented by *Orinocarabus* Kr., 1878, *Hadrocarabus* Thoms, 1875, *Aulonocarabus*, *Oreocarabus* Gehin, 1876; the differences between the larvae in two former subgenera are conditional. In our understanding, the composition of *Aulonocarabus* differs significantly from the traditional one and is based both on the features of larval morphology and on that of the male genitalia (Shilenkov pers. communication, Kryzhanovskij et al. (1992).

c) The third group of subgenera unites a number of related forms -- *Diocarabus*, *Tomocarabus* Reitt., 1896, and *Pachystus* Motsch., 1865, among which increasing adaptations to digging behaviour are found. The composition of subgenus *Tomocarabus* has to be considered in particular. We accept this subgenus *sensu lato*, thus including *Callistocarabus* Reitt., 1896, *Scambocarabus* Reitt., 1896, *Procrustides* Sem., 1905 and *Eurycarabus* Gehin, 1885. Their species represent a continuous series of forms more or less specialized to soil environments. At the extreme embodiment of this trend *Pachystus* is found.

THE NEOCARABUS-COMPLEX

Among European *Neocarabus* all taxonomic changes concern the disposition of taxa:

- a) The subgenera *Hygrocarabus* Thoms, 1875, *Ctenocarabus* Thoms., 1875, *Rhabdotocarabus* Seidl., 1887, *Chaetocarabus* Thoms, 1875, and *Platycarabus* Mor., 1886 represent a peculiar series of forms with plesiomorphic characteristics combined with high specialization. Their larvae have lateral setae on the tergites (except *Hygrocarabus*) and a poorly modified chaetom of the appendages.
- b) A rather distinct complex is also formed by *Chrysocarabus* Thoms., 1875, *Chrysotribax* Reitt., 1896, *Macrothorax* Desm., 1850, *Lamprostus* Motsch., 1865, as well as the complex *Megodontus* Sol., 1848 + *Pachycranion* Sol., 1848.
- c) The rest of the subgenera comprise the specialized derivatives from various phylogenetic branches of *Neocarabus*; their European representatives are poorly related amongst each other.

Conclusions on the classification of *Carabus*

In conclusion we have to examine the possibility to divide *Carabus* into several distinct genera, but all attempts so far seem clearly artificial. Thus, the genus *Lipaster sensu* Ishikawa, 1979 includes the representatives of the *Neocarabus* (strictly *Lipaster* and *Cyclocarabus*), *Metacarabus* (*Semnocarabus*), and the *Archeocarabus* (*Morphocarabus*, *Trachycarabus*) and others. From the point of view of larval morphology, it will be natural to distinguish *Archeocarabus* + *Metacarabus* on the one hand and *Neocarabus* on the other. But we do not think that it is possible to indicate reliable features for dividing imagines into the same groups. Moreover, the larvae of all three group members represent an almost continuous series of forms with similar specialization trends. Taking all this into account, we consider the genus *Carabus* as a monophyletic and natural unit.

The ordering of sub-genera in the present list:

- | | | |
|----------|---|---|
| Group I | - | Spinulati (see: Deuve, 1991) |
| | 1 | <i>Limnocarabus</i> |
| Group II | - | Digitulati + Lipastromorphi (see: Deuve, 1991) |
| | 2 | <i>Morphocarabus</i> (= <i>Eutelocarabus</i> , = <i>Trachycarabus</i>) |
| | 3 | <i>Carabus</i> s.str. |
| | 4 | <i>Eucarabus</i> (= <i>Xystrocarabus</i>) |
| | 5 | <i>Autocarabus</i> |

Group III –	Archicarabomorphi (see: Deuve, 1991)
6	Archicarabus
Group IV –	Multistriati (partim, see: Deuve, 1991)
7	Hemicarabus
8	Diocarabus
9	Aulonocarabus
10	Mesocarabus (= Hadrocarabus)
11	Orinocarabus (= Oreocarabus sensu Deuve)
12	Oreocarabus
13	Tomocarabus (= Callistocarabus, = Procrustides)
14	Eurycarabus
15	Pachystus
Group V –	Multistriati (partim, see: Deuve, 1991)
16	Ctenocarabus
17	Rhabdotocarabus
18	Hygrocarabus
19	Chaetocarabus
20	Platycarabus (= Pseudocechenus)
21	Heterocarabus
22	Sphodristocarabus
23	Megodontus (= Aulacocarabus)
24	Pachycranion (= Carabulus)
25	Iniopachys
26	Chrysocarabus (= Sellaecarabus)
27	Chrysotribax
28	Macrothorax
29	Lamprostus
30	Procrustes
31	Procerus

The checklist

General remarks

The present checklist was in the first place based on the European list of Turin (1981). However, there are many modifications, particularly for eastern Europe. In Turin (1981), 135 species were recognized for Europe, of which only 108 are also part of the present list.

Because of a more precise definition of the territory of the former Soviet-Union covered by the present list, 14 species were omitted as being non-European: *biebersteini* Menetries, *certus* Reitter, *circassicus* Ganglbauer, *cribratus* Quensel, *obtusus* Ganglbauer, *olgae* Semenov, *prometheus* Reitter, *punctiger* Semenov, *reitteri* Retow, *sculpturatus* Menetries, *starcki* Hetden, *starckianus* Ganglbauer, *vonheydeni* Paulino, and *vincens* Reitter. A further 13 species in Turin (1981) proved to be subspecies, hybrids or synonyms: *alutensis* (ssp. of *rothi*), *antiquus* (ssp. of *lusitanicus*), *bugareti* (hybrid), *castilianus* (ssp. of *lusitanicus*), *catalonicus* (ssp. of *lusitanicus*), *dejeani* (= *gyllenhali*), *deubeli* (ssp. of *planicollis*), *luczoti* (ssp. of *lusitanicus*), *luetgensi* (ssp. of *amplipennis*), *perrini* (ssp. of *planus* (= *campestris*)), *piceus* (ssp. of *violaceus*), *pseudonothus* (hybrid), and *punctatoauratus* (ssp. of *auronitens*).

Yet, 21 species were added to the present list as belonging to the European fauna. These species occur in eastern Europe, mainly the former Soviet territory (11 species), and in the mediterranean area, mainly Italy and the Iberian peninsula (9 species). These species are: *adamellicola* (Ital.), *amplipennis* (Iber.), *canaliculatus* (Sov.), *castanopterus* (Ital.), *cribellatus* (Sov.), *deyrollei* (Iber.), *exaratus* (Sov.), *heteromorphus* (Ital.), *hummeli* (Sov.), *janthinus* (Sov.), *karpinskii* (Sov.), *loschnikovi* (Sov.), *marietii* (Bulg.), *merlini* (Ital.), *odoratus* (Sov.), *preslii* (Ital.), *pseudomonticola* (Iber.), *pseudosteuarti* (Iber.), *rybinskii* (Sov.), *septemcarinatus* (Sov.) and *truncaticollis* (Sov.). The Iberian and the Italian species were recently (re-)established by Jeanne & Zaballos (1986) and Casale et al. (1982).

A further 3 species added to the present list were formerly recognized as subspecies: *levebvrei* (*intricatus*) (Ital.), *nodulosus* (*variolosus*) (Ital.), and *wiedemanni* (*montivagus*) (Bulg.). In total, in the present list 132 species have been recognized and ca. 280 subspecies are mentioned.

Infra- and intraspecific forms

As already mentioned above, the aim of this checklist is not to provide a complete revision of all subspecies or micro-races described in the literature. Therefore we focussed our attention mostly on the species-level taxonomy. Nevertheless, we include all subspecies mentioned in the most recent catalogues and taxonomic works (see sub-chapter "Explanation of the list"). Of course in some cases differences of opinion exist about the taxonomic level of infra-specific forms. For instance in the *C. violaceus*-group (sg. *Megodontus*), it is still object of study if the forms *C. purpurascens* and *C. aurolimbatus* should be treated as subspecies or proper species. The same applies to the group of *C. monilis* and *C. scheidleri* (sg. *Morphocarabus*). Rather complicated also is the species-level taxonomy within the subgenus *Chrysocarabus*, especially the position of the forms *C. lateralis* (*C. lineatus*-group) and *C. punctatoauratus* (*C. auronitens*-group) (see: Allemand & Malausa, 1984; Malausa et al., 1984, Mossakowski, 1979 and Puissegur, 1964).

A list of the most important hybrid forms, mainly after Deuve (1991), is given at the end of the checklist.

Explanation of the list

The species have been numbered within each subgenus, and the subspecies within each species. Within the respective taxonomic levels, species, subspecies and synonyms have been arranged alphabetically. Only the synonyms used in the major keyworks and catalogues have been mentioned. Behind the species name in the heading of each species, the following indications have been given: a) author / year / page of diagnosis; b) page reference to Breuning (1932-1937) and c) page reference to the recent world list of Deuve (1991). Both are comprehensive works concerning all of the genus *Carabus* and are important because of numerous bibliographical references.

The indications in brackets behind the subspecies names and synonyms refer to the page numbers in the most important and recent faunistic and taxonomic works where the name is mentioned. The indications "INL" refer to the numerous, generally unpublished notes, provided by some of the present authors and other contributors: (BON) = Bonadona (1971) - France; (BR) = Breuning (1932-1937) - monograph of *Carabus*; (CAS:INL) = Casale, in litt. - southern Europe; (CAV) = Cavazzuti (1989) - monograph of *Procerus*; (CSV) = Casale, Sturani & Vigna Taglianti (1982) - Italy; (DEU) = Deuve (1991) - world list of *Carabus*; (DEU:INL) = Deuve, in litt.; (FHL) = Freude, Harde & Lohse (1976) - central Europe; (F89) = Supplement to Freude et al. (FHL), by Lucht (1989) - central Europe; (H+W) = Hieke & Wrase (1988) - Bulgaria; (JEA:INL) = Jeanne, in litt. - southern- and western Europe; (J+Z) = Jeanne & Zaballos (1986) - Iberian peninsula; (KRY:INL) = Kryzhanovskij, in litt. - Russia/eastern Europe; (LIN) = Lindroth (1985) - Fennoscandia; (MAK:INL) = Makarov, in litt. - Russia/eastern Europe; (MAN) = Mandl (1972) - Austria; (SHI:INL) = Shilenkov, in litt. - Russia/eastern Europe; (SIL) = Silfverberg (1992) - Fennoscandia, Denmark and the Baltic states; (TUR) = Turin (1981) - European list of *Carabidae* (ZRC:***) = Zoological Record of the specific year - Europe.

Checklist, main list

GENUS - CARABUS Linnaeus 1758 [TACHYPUS Weber 1801]

01 - subgenus LIMNOCARABUS Géhin 1876

001 00	CLATHRATUS	LINNAEUS	1761	218	(BR: 545), (DEU: 23)
01	ANTONELLII	LUIGIONI	1921	105	(CSV:278), (CAS:INL)
02	ARELATENSIS	LAPDUGE	1903	645	(KRY:INL)
03	AURANTIENSIS	MUELLER	1902	192	(CSV:278)
04	CLATHRATUS	S.STR.	----	--	(FHL: 38)
05	JANSONI	KRAATZ	1890	188	(MAK:INL)
06	STYGIUS	GANGLB	1890	117	(MAN: 6)

02 - subgenus MORPHOCARABUS Géhin 1885 [EUTELOCARABUS Reitter 1896] [TRACHYCARABUS Géhin 1885]

001 00	AERUGINOSUS	FISCH-W	1822	101	(BR: 286), (DEU: 47)
01	AERUGINOSUS	S.STR.	----	--	
02	HERMANNI	MANNH	1827	22	(MAK:INL)
002 00	BESSERI	FISCH-W	1822	117	(BR: 491), (DEU: 50)
01	BESSERI	S.STR.	----	--	
003 00	BOSPHORANUS	FISCH-W	1823	87	(BR: 484), (DEU: 54)
01	BOSPHORANUS	S.STR.	----	--	
004 00	COMPTUS	DEJEAN	1831	554	(BR: 350), (DEU: 45)
01	COMPTUS	S.STR.	----	--	
005 00	ERRANS	FISCH-W	1824	84	(BR: 483), (DEU: 50)
01	ERRANS	S.STR.	----	--	
006 00	ESTREICHERI	FISCH-W	1822	112	(BR: 503), (DEU: 49)
01	ESTREICHERI	S.STR.	----	--	
=	ACCURATUS	CHAUDOIR	1848	444	(MAK:INL)
007 00	EXCELLENS	FABRICIUS	1801	171	(BR: 322), (DEU: 43)
01	EXCELLENS	S.STR.	----	--	(KRY:INL)
02	FRIVALDSKYI	KRAATZ	1887	341	(MAK:INL)
=	MOLDAVIENSIS	BORN	1903	295	(MAK:INL)

008	00	HAERES	FISCH-W	1824	89	(BR: 483), (DEU: 50)
	01	FOSSULATUS	DEJEAN	1826	489	
	02	HAERES	S.STR.	----	--	
009	00	HAMPEI	KUESTER	1846	18	(BR: 350), (DEU: 45)
	01	HAMPEI	S.STR.	----	--	(F89: 24)
	02	ORMAYI	REITTER	1896	166	
010	00	HENNINGI	FISCH-W	1817	468	(BR: 275), (DEU: 47)
	01	HENNINGI	S.STR.	----	--	
	=	URALICUS	BORN	1922	21	(SHI:INL)
011	00	HUMMELI	FISCH-W	1823	69	(BR: 269), (DEU: 48)
	01	HUMMELI	S.STR.	----	--	(KRY:INL)
012	00	KARPINSKII	KRYZ+MAT	IN LIT.		(BR:-----), (DEU:---)
	01	KARPINSKII	S.STR.	----	--	(KRY:INL)
013	00	KOLLARI	PALLIARDI	1825	7	(BR: 317), (DEU: 43)
	01	KOLLARI	S.STR.	----	--	
014	00	MONILIS	FABRICIUS	1792	126	(BR: 311), (DEU: 41)
	01	ALTICOLA	BELLIER	1880	301	
	02	AMOENUS	BAUDET-L	1836	38	
	03	CONSITUS	PANZER	1809	315	(BON: 21)
	04	DUPEUXI	DEUVE	1974	87	
	05	INTERPOSITUS	GEHIN	1880	331	(BON: 21)
	06	MONILIS	S.STR.	----	--	(BON: 21)
	=	CATENULATUS	OLIVIER	1795	36	(CSV:269)
	=	SCHARTOWI	HEER	1837	11	(CSV:269)
	07	NORENSIS	PHAM	1977	121	
	08	SAOUENSIS	MANDL	1967	130	
	09	SUBPYRENAEUS	LAPOUGE	1925	199	(J+Z: 22)
015	00	ODORATUS	MOTSCH	1846	100	(BR: 296), (DEU: 49)
	01	SEPTENTRIONALIS	BREUNING	1932	296	
016	00	PLANUS	GEHIN	1885	51	(BR: 479), (DEU: 49)
	01	PLANUS	S.STR.	----	--	
	=	CAMPESTRIS	FISCH-W	1822	106	(DEU:INL)
	02	RETOWSKIANUS	MANDL	1955	246	(DEU:INL)
017	00	REGALIS	FISCH-W	1822	100	(BR: 279), (DEU: 46)
	01	REGALIS	S.STR.	----	--	
	=	JURECEKI	BORN	1922	21	(MAK:INL)
	=	VOLGENSIS	CSIKI	1927	247	(MAK:INL)
018	00	ROTHI	DEJ+BOISD	1829	297	(BR: 352), (DEU: 46)
	01	ALUTENSIS	SAVULESCU	1972	241	
	02	ROTHI	S.STR.	----	--	
019	00	RYBINSKII	REITTER	1896	179	(BR: 484), (DEU: 50)
	01	RYBINSKII	S.STR.	----	--	
020	00	SCABRIUSCULUS	OLIVIER	1795	47	(BR: 494), (DEU: 50)
	01	BULGARUS	LAPOUGE	1908	37	(H+W: 18)
	02	SCABRIUSCULUS	S.STR.	----	--	(MAN: 6)
021	00	SCHEIDLERI	PANZER	1799	2	(BR: 316), (DEU: 44)
	01	HELLERI	GANGLB	1902	154	(FHL: 42), (MAN: 5)
	02	PREYSSLERI	DUFTSCHM	1812	26	
	02	SCHEIDLERI	S.STR.	----	--	(FHL: 42), (MAN: 5)
	03	SIMULATOR	KRAATZ	1876	139	(H+W: 18)
	=	SIMULATUS	BREUNING	1932	316	(KRY:INL)
	04	VERSCOLOR	FRIVALD	1835	253	(H+W: 18)
022	00	SIBIRICUS	FISCH-W	1822	107	(BR: 482), (DEU: 50)
	01	KARELINI	FISCH-W	1830	186	
	02	PERRINI	DEJEAN	1831	536	
023	00	ZAWADSKII	KRAATZ	1854	25	(BR: 322), (DEU: 45)
	01	RONAYI	CSIKI	1905	163	(KRY:INL)

03 - subgenus CARABUS S.STR.

001 00	GRANULATUS	LINNAEUS	1758	413	(BR: 525), (DEU: 32)
01	CRIMEENSIS	BREUNING	1933	537	
02	CORSICUS	BORN	1906	147	(BON: 19)
03	DUARIUS	FISCH-W	1844	13	(MAK: INL)
04	GRANULATUS	S.STR.	----	--	(FHL: 37), (MAN: 6)
05	INTERSTITIALIS	DUFTSCHM	1812	35	(CSV: 283)
06	SULINENSIS	LAPOUGE			(KRY: INL)
002 00	MENETRIESI	MUMMEL	1827	3	(BR: 544), (DEU: 32)
01	KNABLI	MANDL	1951	126	(FHL: 37)
02	MENETRIESI	S.STR.	----	--	(FHL: 37), (MAN: 6)
03	PACHOLEI	SOKOLAR	1911	13	(FHL: 37), (MAN: 6)

04 - subgenus EUCARABUS Géhin 1885 [XYSTROCARABUS Reitter 1896]

001 00	ARVENSIS	HERBST	1784	132	(BR: 382), (DEU: 33)
01	ARVENSIS	S.STR.	----	--	(FHL: 41)
=	ARCENSIS	AUCTT.	----	--	(FHL: 41), (LIN: 54)
=	POMERANUS	GMELIN	1788	1968	(CSV: 254)
02	BASCHKIRIKUS	BREUNING	1932	385	
03	CARPATUS	BORN	1902	154	(BON: 20), (FHL: 41)
=	ALPICOLA	AUCTT.			(NEC HEER)
04	COSTALIS	LAPOUGE	1908	31	(BON: 20)
05	JARRIGEI	COLAS	1971	48	(BON: 20)
06	NORICUS	SOKOLAR	1910	75	(CSV: 254)
07	PSEUDONORICUS	KENYERY	1983	115	(ZRC: 259)
08	SCHRICHELLI	DEJEAN	1826	77	(BON: 20)
=	LIEBMANNI	LENG	1911	698	(BON: 20)
=	RAETZERI	BORN	1898	164	(BON: 20)
=	SEILERI	HEER	1837	10	(BON: 20)
=	SUGINTENSIS	BRUNIER	1922	41	(BON: 20)
09	SILVATICUS	DEJEAN	1826	77	(BON: 20), (CSV: 254), (FHL: 41)
=	ANGLICUS	MOTSCH	1865	291	(BON: 20)
=	BORUSSICUS	CSIKI	1927	225	(BON: 20)
=	DETRITUS	LAPOUGE	1908	31	(BON: 20)
=	SYLVATICUS	DEJEAN	1826	77	(BON: 20)
10	THEBAUDI	COLAS	1971	47	(BON: 20)
11	VENETIANUS	BERNAU	1914	73	(CSV: 254), (MAN: 5)
002 00	CATENULATUS	SCOPOLI	1763	86	(BR: 367), (DEU: 37)
01	CATENULATUS	S.STR.	----	--	(CSV: 261)
=	CATENATUS	PANZER	1805	4	(CSV: 259)
=	HERBSTI	DEJEAN	1826	70	(CSV: 259)
02	FONTANELLAE	REITTER	1897	203	(CSV: 261)
003 00	DEYROLLEI	GORY	1839	327	(BR: 378), (DEU: 35)
01	DEYROLLEI	S.STR.	----	--	
004 00	ITALICUS	DEJEAN	1826	85	(BR: 430), (DEU: 37)
01	ITALICUS	S.STR.	----	--	(CSV: 267)
02	ROSTAGNOI	LUIGIONI	1904	75	(CSV: 267)
=	CANCELLATUS	ALESSAND	1897	36	(CSV: 263)
=	ROSTANOI	DEUVE	1991	37	
=	ULLRICHI	COSTA	1849	31	(CSV: 263)
005 00	OBSOLETUS	STURM	1815	70	(BR: 360), (DEU: 37)
01	OBSOLETUS	S.STR.	----	--	
02	CARPATICUS	PALLIARDI	1825	37	(MAK: INL)
=	FOSSULIFER	FLEISCHER	1893	217	(MAK: INL)

006 00	PARREYSSI	PALLIARDI	1825	5	(BR: 372),(DEU: 38)
01	PARREYSSI	S.STR.	----	--	
007 00	STSCHEGLOWI	MANNH	1827	23	(BR: 376),(DEU: 38)
01	STSCHEGLOWI	S.STR.	----	--	
=	ZAKHARSCHESKII	MOTSCH	1845	13	(MAK:INL)
008 00	ULLRICHI	GERMAR	1824	5	(BR: 416),(DEU: 38)
01	ARROGANS	SCHAUM	1859	44	(KRY:INL)
02	FASTUOSUS	PALLIARDI	1825	13	(FHL: 41),(MAN: 6)
03	RHILENSIS	KRAATZ	1876	141	(H+W: 17)
04	ULLRICHI	S.STR.	----	--	(FHL: 41),(MAN: 6)

05 - subgenus AUTOCARABUS Seidlitz 1887

001 00	AURATUS	LINNAEUS	1761	219	(BR: 638),(DEU: 75)
01	AURATOIDES	REITTER	1896	146	(BON: 18)
02	AURATUS	S.STR.	----	--	(BON: 17),(MAN: 6)
03	HILAIREI	GAVOY	1925	71	(J+Z: 21)
04	HONNORATI	DEJEAN	1826	113	(BON: 18)
05	LESSEREI	DOUE	1855	86	(BON: 18)
06	LOTHARINGUS	DEJEAN	1826	488	(BON: 18)
07	NAVARRICUS	LAPOUGE	1924	177	(J+Z: 21)
08	PS.LOTHARINGUS	BARTHE	1921	68	(BON: 18)
002 00	CANCELLATUS	ILLIGER	1798	154	(BR: 556),(DEU: 71)
01	ALESSIENSIS	APFELBECK	1901	121	(KRY:INL)
01	CANCELLATUS	S.STR.	----	--	(CSV:288),(FHL: 38),(MAN: 6)
02	CARINATUS	CHARPENT	1825	185	(FHL: 39)
03	CELTICUS	LAPOUGE	1898	433	(J+Z: 21)
04	CORPULENTUS	KRAATZ	1880	54	(CSV:288)
05	EMARGINATUS	DUFTSCHM	1812	31	(CSV:288),(MAN: 6)
06	GRANIGER	PALLIARDI	1825	11	(H+W: 17)
07	INTERMEDIUS	DEJEAN	1826	104	(FHL: 39),(H+W: 17),(MAN: 6)
08	OBLONGUS	STURM	1815	44	(FHL: 39)
09	TARNENSIS	GEHIN	1885	31	(BON: 19)
10	TIBISCINUS	CSIKI	1905	142	(FHL: 39),(MAN: 7)
11	TUBERCULATUS	DEJEAN	1826	101	(FHL: 39),(MAN: 7),(SIL: 3)
003 00	CRISTOFORII	SPENCE	1833	500	(BR: 380),(DEU: 71)
01	CRISTOFORII	S.STR.	----	--	
004 00	VAGANS	OLIVIER	1795	39	(BR: 554),(DEU: 71)
01	VAGANS	S.STR.	----	--	(CSV:291)

06 - subgenus ARCHICARABUS Seidlitz 1887

001 00	ALYSSYDOTUS	ILLIGER	1798	147	(BR: 653),(DEU: 59)
01	ALYSSYDOTUS	S.STR.	----	--	(CSV:163)
002 00	MONTICOLA	DEJEAN	1826	157	(BR: 661),(DEU: 61)
01	MONTICOLA	S.STR.	----	--	(BON: 22)
003 00	MONTIVAGUS	PALLIARDI	1825	31	(BR: 671),(DEU: 61)
01	MONTIVAGUS	S.STR.	----	--	
02	VELEBITICUS	HAMPE	1850	346	(CSV:172)

004	00	NEMORALIS	MUELL O F	1764	21	(BR: 665),(DEU: 60)
	01	CONTRACTUS	GEHIN	1885	49	(BON: 22)
	02	LAMADRIDAE	BORN	1895	11	(J+Z: 22)
	03	LAYREI	TARRIER	1975	30	(J+Z: 22)
	04	MERIDIANUS	CSIKI	1927	286	(BON: 22)
	=	MERIDIONALIS	LAPOUGE	1908	19	(J+Z: 22)
	05	MIOLANSICUS	TARRIER	1965	70	(BON: 22)
	06	NEMORALIS	S.STR.	----	--	(MAN: 7)
	=	FOETENS	VOET	1778	71	(CSV:174)
	=	HORTENSIS	FABRICIUS	1775	237	(CSV:174),NEC L.
	=	HORTENSIS	DEJEAN	1826	156	(CSV:174),NEC L.
	07	PASCUORUM	LAPOUGE	1908	19	(BON: 22)
	08	PS.MONTIVAGUS	MANDL	1961	18	(MAN: 7)
	09	VERDONENSIS	PUISSEG	1961	1	(BON: 22)
	=	COLASI	BOURGIN	1963	88	(DEU: INL)
005	00	PSEUDOMONTICOLA	LAPOLGE	1908	20	(BR: 661),(DEU: 60)
	01	HISPANICUS	TARRIER	1975	33	(J+Z: 22)
	02	PSEUDOMONTICOLA	S.STR.	----	--	(J+Z: 22)
	03	SORREDENSIS	REYMOND	1935	57	(J+Z: 22)
	04	PSEUDOPASCUORUM	TARRIER	1975	33	(J+Z: 22)
006	00	ROSSII	DEJEAN	1826	66	(BR: 656),(DEU: 59)
	01	ROSSII	S.STR.	----	--	(CSV:167)
	=	DRAGONETTI	ROZZI	1839	7	(CSV:167)
007	00	STEUARTI	DEYROLLE	1852	240	(BR: 659),(DEU: 60)
	01	BASTIANI	LASSALLE	1983	22	(J+Z: 23)
	02	DURANI	RAYNAUD	1974	72	(J+Z: 22)
	03	FABRICIIRUSPOLI	IBREUNING	1969	60	(J+Z: 22)
	04	STEUARTI	S.STR.	----	--	(J+Z: 23)
	=	HEYDENI	PAULINO	1876	20	(J+Z: 23)
008	00	WIEDEMANNI	MENETRIES	1836	149	(BR: 677),(DEU: 62)
	01	WIEDEMANNI	S.STR.	----	--	(H+W: 19)

07 - subgenus HEMICARARABUS Géhin 1885

001	00	NITENS	LINNAEUS	1758	414	(BR: 850),(DEU: 65)
	01	NITENS	S.STR.	----	--	

08 - subgenus DIOCARABUS Lapouge 1931

001	00	LOSCHNIKOWI	FISCH-W	1823	78	(BR: 308),(DEU: 79)
	01	LOSCHNIKOWI	S.STR.	----	--	(KRY:INL),(MAK:INL)

09 - subgenus AULONOCARABUS Reitter 1896

001 00	CANALICULATUS	ADAMS	1812	168	(BR: 249),(DEU: 68)
01	CANALICULATUS	S.STR.	----	--	(KRY:INL)
002 00	TRUNCATICOLLIS	ESCHSCH	1833	22	(BR: 775),(DEU: 79)
01	TRUNCATICOLLIS	S.STR.	----	--	(MAK:INL)

10 - subgenus MESOCARABUS Thomson 1875 [HADROCARABUS Thomson 1875]

001 00	DUFOURI	DEJEAN	1829	325	(BR: 827),(DEU:102)
01	DUFOURI	S.STR.	----	--	
002 00	LUSITANICUS	FABRICIUS	1801	171	(BR: 830),(DEU:101)
01	ALBARRACINUS	GANGLB	1886	377	(J+Z: 20)
02	ALCARACINUS	KRAATZ	1886	384	(J+Z: 20)
03	ANTIQUUS	DEJEAN	1826	91	(J+Z: 20)
=	LUCZOTI	LAPORTE	1832	393	(J+Z: 20)
=	PORTALEGRENSIS	GANGLB	1886	378	(J+Z: 20)
=	MERTOLAENSIS	BREUNING	1975	131	(J+Z: 20)
04	ARAGONICUS	GANGLB	1886	375	(J+Z: 20)
=	LOGRONICUS	BREUNING	1926	223	(J+Z: 20)
=	SORIANUS	JEANNE	1972	78	(J+Z: 20)
05	BAGUENAI	BREUNING	1926	226	(J+Z: 20)
06	BOLIVARI	BREUNING	1926	217	(J+Z: 20)
07	BREUNINGI	CSIKI	1927	82	(J+Z: 19)
=	KRICHELDORFFI	BREUNING	1926	233	(J+Z: 19)
08	BREVIS	DEJEAN	1826	93	(J+Z: 20)
09	CASTILIANUS	DEJEAN	1826	87	(J+Z: 20)
=	VIVESI	JEANNE	1973	7	(J+Z: 20)
10	COMPLANATUS	DEJEAN	1826	93	(J+Z: 19)
11	EGESIPPEI	LA FERTE	1847	450	(J+Z: 19)
=	SABROSENSIS	REITTER	1896	90	(J+Z: 19)
12	FUENTEI	BREUNING	1926	215	(J+Z: 20)
13	HELLUO	DEJEAN	1826	94	(J+Z: 21)
=	ALICANTINUS	GANGLB	1886	376	(J+Z: 21)
14	LATUS	DEJEAN	1826	92	(J+Z: 20)
=	GOUGELETI	REICHE	1863	472	(J+Z: 20)
=	LEPTOPUS	THOMSON	1875	648	(J+Z: 20)
15	LUSITANICUS	S.STR.	----	--	(J+Z: 20)
=	VIEIRAE	PAULINO	1875	16	(J+Z: 20)
=	VICIRAE	DEUVE	1991	102	
16	MOLOSSOIDES	LASSALLE	1984	57	(J+Z: 20)
17	MORODERI	BREUNING	1926	233	(J+Z: 19)
18	SCHAUMI	GAUBIL	1849	17	(J+Z: 20)
=	HELLWIGI	SCHAUM	1862	3	(J+Z: 20)
=	DESCENSUS	SCHAUF	1871	194	(J+Z: 20)
=	MEDIOTUBERCULAT.	SCHAUF	1882	537	(J+Z: 20)
19	TRABUCCARIUS	FAIRMAIRE	1857	727	(BON: 24),(J+Z: 18)
=	CATALONICUS	GANGLB	1886	375	(DEU:INL)
20	TRYPALSI	BREUNING	1975	130	(J+Z: 21)
003 00	MACROCEPHALUS	DEJEAN	1826	88	(BR: 834),(DEU:101)
01	AMAYENSIS	LASSALLE	1984	58	(J+Z: 19)
02	ASTURICUS	BORN	1925	2	(J+Z: 19)
=	JOAQUINI	BREUN+TG	1974	65	(DEU:INL)

03	BARCELECOANUS	LAPOUGE	1924	173	(J+Z: 19)
04	CANTABRICUS	CHEVR	1840	9	(J+Z: 19)
05	LIEBEI	EIDAM	1925	333	(J+Z: 19)
06	MACROCEPHALOIDES	JEANNE	1972	78	(J+Z: 19)
07	MACROCEPHALUS	S.STR.	----	--	(J+Z: 19)
004 00	PROBLEMATICUS	HERBST	1786	177	(BR: 806),(DEU: 99)
01	ALLUAUDI	COLAS	1936	18	(BON: 24)
02	ANDORRANUS	LAPOUGE	1908	55	(J+Z: 18)
03	AVERNUS	LAPOUGE	1902	82	(BON: 24)
04	BELGICUS	LAPOUGE	1913	3	(BON: 24)
05	BEPMALEI	LAPOUGE	1904	370	(J+Z: 21)
06	CLAIRVILLEI	LAPOUGE	1813	3	(BON: 25)
07	GALLICUS	GEHIN	1885	15	(BON: 24),(FHL: 36),(LIN: 59),(MAN: 8)
08	ICELANDICUS	LINDROTH	1968	177	(KRY:INL),(ZRC:468)
09	INFLATUS	KRAATZ	1878	158	(BON: 24),(CSV:132)
10	MAYETI	GEHIN	1885	16	(INCERTAE SEDIS, DEUVE:1977)
11	MULSANTI	GEHIN	1885	16	(BON: 24)
12	NAVARRENSIS	BREUNING	1932	808	(J+Z: 18)
13	OCCITANUS	LAPOUGE	1910	72	(BON: 24)
14	PLANIUSCULUS	HAURY	1885	15	(J+Z: 18)
=	JUGICOLA	LAPOUGE	1908	53	(DEU:INL)
15	PROBLEMATICUS	S.STR.	----	--	(BON: 24),(CSV:132),(FHL: 36),(MAN: 8)
=	CATENULATUS	AUCT. NEC SCOPOLI			(CSV:129)
16	PRUNIERI	PHAM	1978	145	(J+Z: 18)
17	SOLIDUS	LAPOUGE	1899	197	(BON: 24),(J+Z: 18)
18	SOLUTUS	OBERTH	1884	147	(BON: 24)
19	STRANDI	BORN	1926	65	(LIN: 60),(SIL: 3)
20	WOCKEI	BORN	1898	74	(LIN: 60),(SIL: 3)
21	XAXARSI	LAPOUGE	1917	83	(J+Z: 18)

11 - subgenus ORINOCARABUS Kraatz 1878 [CARPATHOPHILUS Reitter 1896]

001 00	ADAMELLICOLA	GANGLB	1904	186	(BR: 755),(DEU: 82)
01	ADAMELLICOLA	S.STR.	----	--	(CSV:240)
002 00	ALPESTRIS	STURM	1815	111	(BR: 755),(DEU: 82)
01	ALPESTRIS	S.STR.	----	--	(FHL: 45),(MAN: 7)
02	DOLOMITANUS	MANDL	1956	57	(CSV:244),(MAN: 7)
03	HICKERI	BREUNING	1927	13	(MAN: 7)
04	HOPPEI	GERMAR	1824	8	(CSV:244),(FHL: 45),(MAN: 7)
05	ROTTENMANICUS	SOKOLAR	1907	121	(MAN: 7)
06	TYROLENSIS	KRAATZ	1878	429	(MAN: 7)
003 00	BERTOLINII	KRAATZ	1878	432	(BR: 762),(DEU: 82)
01	BERTOLINII	S.STR.	----	--	(CSV:242)
004 00	CARINTHIACUS	STURM	1815	68	(BR: 774),(DEU: 83)
01	CARINTHIACUS	S.STR.	----	--	(CSV:248),(MAN: 8)
005 00	CASTANOPTERUS	VILLA	1833	32	(BR: 755),(DEU: 82)
01	CASTANOPTERUS	S.STR.	----	--	(CSV:238)
=	LOMBARDUS	KRAATZ	1878	325	(CSV:238)
006 00	CENISIUS	KRAATZ	1878	322	(BR: 745),(DEU: 81)
01	CENISIUS	S.STR.	----	--	(CSV:218)
02	CERESIACUS	BORN	1896	81	(CSV:218)
03	FENESTRELLANUS	BEUTHIN	1899	204	(CSV:218),(CAS:INL)
04	ISERANICUS	DEUVE+S	1977	213	(DEU:INL)

007 00	CONCOLOR	FABRICIUS	1792	125	(BR: 740),(DEU: 82)
01	CONCOLOR	S.STR.	----	--	(CSV:228)
=	ALPINUS	DEJEAN	1826	166	(CSV:228)
02	LEPONTINUS	BORN	1908	138	(CSV:228)
008 00	FAIRMAIREI	THOMS	1875	717	(BR: 749),(DEU: 81)
01	FAIRMAIREI	S.STR.	----	--	(CSV:215)
02	PELVICUS	CAVAZZUTI	1973	136	(CSV:215)
03	STECKI	BORN	1902	319	(CSV:215)
009 00	HETEROMORPHUS	K DANIEL	1896	33	(BR: 745),(DEU: 81)
01	HETEROMORPHUS	S.STR.	----	--	(CSV:219)
010 00	LATREILLEANUS	CSIKI	1927	304	(BR: 763),(DEU: 83)
01	LATREILLEANUS	S.STR.	----	--	(CSV:223)
=	LATREILLEI	DEJEAN	1826	168	(CSV:223)
011 00	LINNEI	PANZER	1813	109	(BR: 733),(DEU: 83)
01	FOLGARICUS	BERNAU	1913	197	(FHL: 44),(MAN: 7)
02	LINNEI	S.STR.	----	--	(FHL: 44),(MAN: 7)
=	ANGUSTATUS	PANZER	1813	109	(CSV:202)
03	TRANSDANUBIALIS	KENYERY	1983	115	(ZRC:260)
012 00	PUTZEYSIANUS	GEHIN	1876	13	(BR: 751),(DEU: 81)
01	GERMANAE	CAS+CAV	1976	290	(CSV:210)
02	OMENSIS	BORN	1901	522	(CSV:210)
03	PEDEMONTANUS	GANGLB	1892	80	(CSV:210)
04	PUTZEYSIANUS	S.STR.	----	--	(CSV:210)
05	RAYNAUDIANUS	DEUVE+SIM	1977	215	(CAS:INL)
013 00	SYLVESTRIS	PANZER	1793	5	(BR: 765),(DEU: 82)
01	GUYICOLASI	DEUVE+SIM	1976	245	(DEU:INL)
02	HABERFELLNERI	GANGLB	1892	81	(FHL: 45),(MAN: 8)
03	KOLBI	BREUNING	1927	27	(MAN: 8)
04	MICKLITZI	SOKOLAR	1910	77	(MAN: 8)
05	NIVOSUS	HEER	1837	13	(MAN: 8)
06	REDTENBACHERI	GEHIN	1876	68	(MAN: 8)
07	SYLVESTRIS	S.STR.	----	--	(CSV:233),(FHL: 45),(MAN: 8)
=	SILVESTRIS	AUCTT	----	--	(DEU:INL)
08	TRANSSEYLVANICUS	DEJEAN	1826	166	(FHL: 45)
09	VAFER	CSIKI	1927	298	(MAN: 8)

12 - subgenus OREOCARABUS Géhin 1876

001 00	AMPLIPENNIS	LAPOUGE	1924	175	(BR: 696),(DEU: 80)
01	AMPLIPENNIS	S.STR.	----	--	(J+Z: 23)
=	ERRANS	GORY	1839	326	(J+Z: 23),NEC FISCHER, 1832
=	LUETGENSI	BEUTHIN	1886	151	
02	GETSCHMANNI	LAPOUGE	1924	176	(BR: 696),(DEU: 80)
002 00	GHILIANI	LA FERTE	1846	447	(BR: 700),(DEU: 81)
01	GHILIANI	S.STR.	----	--	(J+Z: 23)
02	NEGREI	BREUNING	1966	78	(J+Z: 23)
003 00	GLABRATUS	PAYKULL	1790	14	(BR: 723),(DEU: 84)
01	EXTENSUS	KRAATZ	1885	243	(MAN: 7)
=	GIBBOSUS	HEYDEN	1866	250	
02	GLABRATUS	S.STR.	----	--	(MAN: 7)
=	LAEVIGATUS	SCRIBA	1790	4	(CSV:186)
03	LAPPONICUS	BORN	1909	129	
04	LATOR	BORN	1895	10	(MAK:INL)

004 00	GUADARRAMUS	LA FERTE	1846	447	(BR: 699),(DEU: 81)
01	GUADARRAMUS	S.STR.	----	--	(J+Z: 23)
=	DUERENSIS	RAYNAUD	1974	67	(J+Z: 23)
005 00	HORTENSIS	LINNAEUS	1758	414	(BR: 701),(DEU: 84)
01	HORTENSIS	S.STR.	----	--	(MAN: 7)
=	GEMMATUS	FABRICIUS	1781	300	(CSV:189)
=	STRIATUS	DEGEER	1781	90	(CSV:189)
006 00	PRESLII	DEJEAN	1830	20	(BR: 702),(DEU: 84)
01	NEUMEYERI	SCHAUM	1856	160	(CSV:194)
02	PRESLII	S.STR.	----	--	
007 00	PSEUDOSTEUARTI	LAPOLIGE	1924	176	(BR: 699),(DEU: 80)
01	PSEUDOSTEUARTI	S.STR.	----	--	(J+Z: 23)
=	STEUARTI	HEYDEN	1880	281	(J+Z: 23)

13 - subgenus TOMOCARABUS Reitter 1896 [CALLISTOCARABUS Reitter 1896] [PROCRUSTIDES Semenov 1905]

001 00	ANTIPAI	PANIN	1943	210	(BR:-----),(DEU: 96)
01	ANTIPAI	S.STR.	----	--	
002 00	BESSARABICUS	FISCH-W	1824	100	(BR: 884),(DEU: 93)
01	BESSARABICUS	S.STR.	----	--	
02	CONCRETUS	FISCH-W	1823	102	
003 00	CONVEXUS	FABRICIUS	1775	238	(BR: 861),(DEU: 94)
01	CONFUSUS	TARRIER	1975	39	(J+Z: 23)
02	CONVEXUS	S.STR.	----	--	(FHL: 40),(MAN: 8)
=	PAGANETTII	BORN	1905	121	(CAS:INL)
=	STRIOLATUS	FISCHER	1823	93	(CSV:155)
03	DILATATUS	DEJEAN	1826	158	(CSV:155),(H+W: 19),(MAN: 8)
04	KISKUNENSIS	ADAM+AL.	1986	125	(ZRC:281)
05	PYRENAEICOLA	CSIKI	1927	177	(BON: 22),(J+Z: 23)
=	PYRENAICUS	BORN	1907	190	(J+Z: 23)
004 00	MARGINALIS	FABRICIUS	1794	440	(BR: 892),(DEU: 99)
01	MARGINALIS	S.STR.	----	--	

14 - subgenus EURYCARABUS Géhin 1885

001 00	FAMINI	DEJEAN	1826	62	(BR: 898),(DEU: 38)
01	FAMINI	S.STR.	----	--	(CSV:143)
002 00	GENEI	GENE	1839	45	(BR: 828),(DEU: 39)
01	GENEI	S.STR.	----	--	(CSV:138)

15 - subgenus PACHYSTUS Motschulsky 1865

001	00	CAVERNOSUS	FRIV	1837	181	(BR: 797),(DEU: 94)
	01	CAVERNOSUS	S.STR.	----	--	(CSV:151)
	02	VARIOLATUS	COSTA	1839	6	(CSV:151)
002	00	CRIBELLATUS	ADAMS	1812	167	(BR: 791),(DEU: 93)
	01	CRIBELLATUS	S.STR.	----	--	
	=	PERFORATUS	FISCH-W	1822	93	
	=	VARIOLARIS	MENETRIES	1849	27	
003	00	GRAECUS	DEJEAN	1826	145	(BR: 799),(DEU: 94)
	01	GRAECUS	S.STR.	----	--	
	02	MORIO	MANNH	1830	58	(H+W: 15)
004	00	HUNGARICUS	FABRICIUS	1792	128	(BR: 790),(DEU: 93)
	01	HUNGARICUS	S.STR.	----	--	(MAN: 8)
	02	MINGENS	QUENSEL	1806	173	(KRY:INL)
	=	GASTRIDULUS	FISCH-W	1823	83	
	03	SCYTHUS	MOTSCH	1847	22	
	04	VIENNENSIS	KRAATZ	1877	252	(MAN: 8)
005	00	TROJANUS	DEJEAN	1826	146	(BR: 804),(DEU: 95)
	01	TROJANUS	S.STR.	----	--	

16 - subgenus CTENOCARABUS Thomson 1875

001	00	GALICIANUS	GORY	1839	308	(BR:1170),(DEU:102)
	01	GALICIANUS	S.STR.	----	--	

17 - subgenus RHABDOTOCARABUS Seidlitz 1887

001	00	MELANCHOLICUS	FABRICIUS	1798	54	(BR:1172),(DEU:103)
	01	COSTATUS	GERMAR	1824	5	(J+Z: 17)
	=	CASTILIENSIS	BORN	1924	9	(J+Z: 17)
	=	CUENCAENSIS	RAYNAUD	1972	50	(J+Z: 17)
	=	EXILIS	RAYNAUD	1972	50	(J+Z: 17)
	=	LEONENSIS	BREUNING	1964	60	(J+Z: 17)
	=	PYRENAEENSIS	GEHIN	1885	44	(J+Z: 17)
	02	MELANCHOLICUS	S.STR.	----	--	(J+Z: 16)
	03	SUBMERIDIONALIS	BREUNING	1975	131	(J+Z: 16)

18 - subgenus HYGROCARABUS Thomson 1875

001 00	MODULOSUS	CREUTZER	1799	108	(BR:1167),(DEU:103)
01	MODULOSUS	S.STR.	----	--	(CSV:297)
002 00	VARIOLOSUS	FABRICIUS	1787	194	(BR:1166),(DEU:103)
01	VARIOLOSUS	S.STR.	----	--	(H+W: 16)

19 - subgenus CHAETOCARABUS Thomson 1875

001 00	ARCADICUS	GISTL	1850	622	(BR:1037),(DEU:107)
01	ADONIS	HAMPE	1853	134	
002 00	INTRICATUS	LINNAEUS	1761	217	(BR:1034),(DEU:106)
01	INTRICATUS	S.STR.	----	--	
=	ANGUSTULUS	HAURY	1878	213	(MAK:INL)
=	BOHEMICUS	HAURY	1881	446	(MAK:INL)
=	CYANEUS	FABRICIUS	1781	299	(CSV:356)
02	STARENSIS	BORN	1918	197	(MAK:INL)
003 00	KRUEPERI	REITTER	1896	87	(BR:1038),(DEU:106)
01	KRUEPERI	S.STR.	----	--	
004 00	LEFEBVREI	DEJEAN	1826	177	(BR:1038),(DEU:106)
01	BAYARDI	SOLIER	1835	114	(CSV:362)
005 00	MERLINI	SCHAUM	1861	396	(BR:1037),(DEU:107)
01	MERLINI	S.STR.	----	--	(CSV:366)

20 - subgenus PLATYCARABUS Morawitz 1886 [PSEUDOCECHENUS Morawitz 1886]

001 00	BONELLII	DEJEAN	1826	181	(BR:1061),(DEU:104)
=	DEPRESSUS	BONELLI	1810	56	(CAS:INL)
01	BONELLII	S.STR.	----	--	
02	LUCENS	SCHAUM	1857	173	(DEU:INL)
002 00	CREUTZERI	FABRICIUS	1801	173	(BR:1075),(DEU:105)
01	BALDENSIS	SCHAUM	1857	170	(CSV:385)
02	CREUTZERI	S.STR.	----	--	(MAN: 8)
03	HEROS	LAPOUGE	1924	172	(CAS:INL)
03	KIRCHERI	GERMAR	1824	1	(CSV:385)
04	PSEUDOHEROS	KENYERY	1983	113	(ZRC:260)
003 00	CYCHROIDES	BAUDI	1864	197	(BR:1066),(DEU:104)
01	CYCHROIDES	S.STR.	----	--	

004	00	FABRICII	PANZER	1813	6	(BR:1067),(DEU:104)
	01	FABRICII	S.STR.	----	--	(MAN: 8)
	=	BUGNIONII	CHAUDOIR	1837	16	(CSV:375)
	=	HEERI	GERMAR	1824	1	(CSV:375)
	02	KORALPICUS	SOKOLAR	1910	59	(MAN: 8)
	03	MALACHITICUS	THOMSON	1875	660	(FHL: 32),(MAK:INL)
	04	UCRAINICUS	LAZORKO	1951	190	(MAK:INL)
005	00	IRREGULARIS	FABRICIUS	1792	127	(BR:1086),(DEU:105)
	01	IRREGULARIS	S.STR.	----	--	(MAN: 9)
	=	REGULARIS	FISCHER G	1823	50	(CSV:394)
	02	JURASSICUS	BORN	1911	11	(BON: 34)
	03	MONTANDONI	BUYSSON	1882	183	(FHL: 31)
	04	RAMANUS	SOKOLAR	1909	88	(CSV:394),(MAN: 9)

21 - subgenus HETEROCARABUS Morawitz 1886

001	00	MARIETII	CRIS+JAN	1837	5	(BR: 982),(DEU:107)
	01	MARIETII	S.STR.	----	--	(H+W: 16)

22 - subgenus SPHODRISTOCARABUS Géhin 1885

001	00	JANTHINUS	GANGLB	1887	140	(BR: 995),(DEU:110)
	01	JANTHINUS	S.STR.	----	--	

23 - subgenus MEGODONTUS Solier 1848 [AULACOCARABUS Géhin 1876]

001	00	AUROLIMBATUS	DEJ+BOISD	1829	391	(BR:1237),(DEU:156)
	01	AUROLIMBATUS	S.STR.	----	--	(MAK:INL)
002	00	CAELATUS	FABRICIUS	1801	169	(BR:1291),(DEU:159)
	01	CAELATUS	S.STR.	----	--	(CSV:318)
	=	CARNIOLICUS	CROTH	1871	4	(CSV:318)
	02	DALMATINUS	DUFT	1812	39	(CSV:318)
	03	SCHREIBERI	KRAATZ	1877	258	(CSV:318)
003	00	CROATICUS	DEJEAN	1826	40	(BR:1283),(DEU:159)
	01	CROATICUS	S.STR.	----	--	
	02	BOSILJEVICI	DROV+AL.	1985	31	(ZRC:280)
	03	BOSNICUS	APFELBECK	1890	101	(CAS:INL)
	04	LJUBETENSIS	APFELBECK	1918	75	(MAK:INL)

004 00	EXARATUS	QUENSEL	1806	173	(BR:1215),(DEU:155)
01	EXARATUS	S.STR.	----	--	
005 00	GERMARI	STURM	1815	96	(BR:1227),(DEU:157)
01	BUENDNERI	BREUNING	1932	151	(MAN: 9)
02	FIORII	BORN	1901	91	(CSV:333)
03	GERMARI	S.STR.	----	--	(FHL: 34)
04	NEESI	HOPPE+H	1825	482	(BON: 27),(CSV:333),(MAN: 9)
05	SAVINICUS	HAMMER	1906	384	(FHL: 35),(JEA:INL),(MAN: 9)
06	STYRIENSIS	BREUNING	1935	1230	(FHL: 34),(JEA:INL),(MAN: 9)
006 00	GYLLENHALI	FISCH-W	1826	198	(BR:1213),(DEU:155)
01	GYLLENHALI	S.STR.	----	--	(KRY:INL)
=	DEJEANI	FISCH-W	1823	61	(KRY:INL)
007 00	PLANICOLLIS	KUESTER	1846	9	(BR:1276),(DEU:159)
01	PLANICOLLIS	S.STR.	----	--	
008 00	PURPURASCENS	FABRICIUS	1787	195	(BR:1222),(DEU:158)
01	ASTURIENSIS	BORN	1925	1	(J+Z: 14)
02	AURICHALCEUS	KRAATZ	1879	160	(J+Z: 14)
03	CRENATOCOSTATUS	LAPOUGE	1922	129	(BON: 26)
04	EUROPAE	BREUNING	1932	43	(J+Z: 14)
05	FULGENS	CHARPENT	1825	184	(J+Z: 14)
06	GERUNDENSIS	BORN	1916	6	(J+Z: 13)
07	IBERICUS	JEANNE	1976	28	(J+Z: 14)
08	LAEVICOSTATUS	LAPOUGE	1921	128	(BON: 26)
09	LUGENSIS	BREUNING	1972	31	(J+Z: 14)
10	MIXTUS	GEHIN	1876	82	(BON: 26)
11	MUELLERI	HAURY	1878	214	(J+Z: 13)
=	PSEUDOMUELLERI	CODINA	1921	136	(J+Z: 13)
12	PSEUDOFULGENS	BORN	1905	43	(J+Z: 14)
13	PURPURASCENS	S.STR.	----	--	(FHL: 24)
14	SUBFULGENS	JEANNE	1969	122	(J+Z: 14)
009 00	SEPTEMCARINATUS	MOTSCH	1814	181	(BR:1218),(DEU:156)
01	SEPTEMCARINATUS	S.STR.	----	--	
010 00	VIOLACEUS	LINNAEUS	1758	414	(BR:1222),(DEU:156)
01	ANDRZEJUSCII	FISCH-W	1823	99	(FHL: 34)
=	ANDREJUSCII	DEUVE	1991	156	
02	ARCTICUS	SPARRE-S	1888	94	(BR:1234)
03	AZURESCENS	DEJEAN	1826	130	(CSV:325)
04	CANDISATUS	DUFTSCHM	1812	23	(MAN: 10)
05	DURMITORUS	MANDL	1985	131	(ZRC:280)
06	PICENUS	VILLA	1838	61	(BON: 27),(CSV:325),(KRY:INL),(MAN: 9)
07	PIRINENSIS	MANDL	1985	113	(ZRC:280)
08	RILVENSIS	KOLBE	1887	138	(H+W: 16)
09	SALISBURGENSIS	KRAATZ	1879	159	(BON: 26),(FHL: 33)
=	MEYERI	BORN	1898	188	(FHL: 33)
10	VIOLACEUS	S.STR.	----	--	(FHL: 33),(MAN: 9)
11	WOLFFII	DEJEAN	1826	134	(MAK:INL)

24 - subgenus PACHYCRANION Solier 1848 [CARABULUS Lutshnik 1924]

001 00	ERMAKI	LUTSHNIK	1924	41	(BR:1220),(DEU:156)
01	ERMAKI	S.STR.	----	--	
=	AMOENUS	CHAUDOIR	1852	93	
002 00	SCHOENHERRI	FISCH-W	1822	27	(BR:1203),(DEU:155)
01	SCHOENHERRI	S.STR.	----	--	

25 - subgenus INIOPACHYS Solier 1848

001 00	AURICULATUS	PUTZEYS	1872	70	(BR: 964),(DEU:135)
01	AURICULATUS	S.STR.	----	--	(J+Z: 18)
02	UBINENSIS	PUISSEGUR	1955	120	(J+Z: 18)
002 00	PYRENAEUS	SERVILLE	1821	45	(BR: 960),(DEU:135)
01	CERDANUS	LAPOUGE	1924	167	(J+Z: 17)
02	COSTULUS	GEHIN	1885	40	(CAS:INL)
03	OCCIDENTALIS	JEANNE	1969	120	(J+Z: 18)
04	PUNCTATULUS	CSIKI	1927	118	(BON: 34)
05	PYRENAEUS	S.STR.	----	--	(J+Z: 18)
=	PUNCTATUS	GEHIN	1885	40	(J+Z: 18)
=	IGNITUS	REITTER	1896	79	(J+Z: 18)
06	VALLIERENSIS	COLAS	1965	104	(J+Z: 18)

26 - subgenus CHRYSOCARABUS Thomson 1875 [SELLAECARABUS Sturani 1947]

001 00	AURONITENS	FABRICIUS	1792	129	(BR:1462),(DEU:165)
01	AUBRYI	COLAS	1969	28	(BON: 32)
=	VALLIERENSIS	JEANNE	1969	113	(DEU:INL)
02	AURONITENS	S.STR.	----	--	(BON: 30),(FHL: 35),(MAN: 10)
=	AURATONITENS	ILLIGER	1798	157	(CSV:408)
03	BARTHEI	LAPOUGE	1912	32	(BON: 32)
04	BIGERRIO	LAPOUGE	1924	164	(BON: 32)
05	BOSCENSIS	NICOLAS	1923	17	(BON: 32)
06	BOUISSETI	BARTHE	1936	37	(BON: 32)
07	CANIGOUENSIS	SCHAEFER	1966	115	(BON: 31)
08	CARLITTENSIS	BARTHE	1912	34	(BON: 32)
09	COSTELLATUS	GEHIN	1882	5	(BON: 31)
10	CUPREONITENS	CHEVR	1861	143	(BON: 31)
11	ERRENSIS	ROUSELLE	1974	218	(J+Z: 15)
12	ESCHERI	PALLIARDI	1825	9	(FHL: 35)
13	FARINESI	DEJEAN	1826	115	(BON: 32)
=	RAYNAUDI	COLAS	1969	29	(BON: 32)
14	FESTIVUS	DEJEAN	1826	115	(BON: 31)
15	FORSTERI	MANDL	1981	53	(ZRC:223)
16	KRAUSSI	LAPOUGE	1898	71	(CSV:408),(FHL: 35),(MAN: 10)
17	MONTANUS	GEHIN	1882	7	(BON: 32)
18	PANDELLEI	GEHIN	1882	7	(J+Z: 15)
19	PUNCTATO AURATUS	GERMAR	1824	4	(BON: 31),(J+Z: 15)
20	SUBFESTIVUS	OBERTH	1884	147	(BON: 31)
002 00	LINEATUS	DEJEAN	1826	117	(BR:1448),(DEU:163)
01	ALIVENSIS	BREUNING	1966	77	(J+Z: 15)
02	BASILICUS	CHEVROLAT	1836	170	(J+Z: 16)
03	BEHARRICUS	NICOLAS	1916	25	(J+Z: 16)
04	BILINEATUS	GEHIN	1885	42	(J+Z: 15)
05	FORTICOSTIS	KRAATZ	1896	334	(J+Z: 15)
06	LATERALIS	CHEVR	1840	10	(J+Z: 15)
07	LEONENSIS	BORN	1918	67	(J+Z: 15)
08	LINEATUS	S.STR.	----	--	(J+Z: 15)
09	NUMANCIANUS	RAYNAUD	1969	212	(J+Z: 16)
10	QUASILINEATUS	TARRIER	1975	61	(J+Z: 15)
11	SALMANTINUS	BOLIVAR	1922	453	(J+Z: 15)
12	TROBERTI	KRAATZ	1860	61	(BON: 33),(J+Z: 16)

003 00	OLYMPIAE	SELLA	1855	469	(BR:1442),(DEU:161)
01	OLYMPIAE	S.STR.	----	--	
004 00	SOLIERI	DEJEAN	1826	119	(BR:1444),(DEU:162)
01	BONNETIANUS	COLAS	1937	324	(BON: 30)
=	BONNETI	COLAS	1936	178	(BON: 30)
02	CLAIRI	GEHIN	1885	41	(BON: 30),(CSV:413)
03	LIGURANUS	BREUNING	1932	167	(CSV:413)
04	SOLIERI	S.STR.	----	--	(BON: 29)
005 00	SPLENDENS	OLIVIER	1791	326	(BR:1455),(DEU:164)
01	AMMONIUS	LAPOUGE	1910	38	(BON: 33)
02	LAPURDANUS	LAPOUGE	1913	11	(BON: 33),(J+Z: 16)
03	SPLENDENS	S.STR.	----	--	(BON: 33),(J+Z: 16)
04	VITTATUS	LAPOUGE	1902	27	(BON: 33)

27 - subgenus CHRYSOTRIBAX Reitter 1896

001 00	HISPANUS	FABRICIUS	1787	195	(BR:1050),(DEU:168)
01	BERARDI	RAYNAUD	1967	242	(BON: 28)
02	BOUDETI	BEUTHIN	1892	211	(BON: 28)
03	HISPANUS	S.STR.	----	--	(BON: 28)
04	LATISSIMUS	LAPOUGE	1910	94	(BON: 28)
002 00	RUTILANS	DEJEAN	1826	173	(BR:1054),(DEU:169)
01	AQUATUS	LAPOUGE	1902	30	(J+Z: 14)
02	ARAGONENSIS	LAPOUGE	1913	6	(J+Z: 14)
=	MONTERRATICUS	CSIKI	1927	138	(J+Z: 15)
03	DELACREI	TARRIER	1982	36	(J+Z: 14),(ZRC:253)
04	JEANNEI	LASS+PHAM	1981	234	(J+Z: 15)
05	OPULENTUS	OBERTHUR	1898	244	(J+Z: 14)
06	PERIGNITUS	REITTER	1896	195	(BON: 29),(J+Z: 14)
07	RUTILANS	S.STR.	----	--	(J+Z: 14)

28 - subgenus MACROTHORAX Desmarest 1850

001 00	MORBILLOSUS	FABRICIUS	1792	130	(BR:1422),(DEU:171)
01	ALTERNANS	PALLIARDI	1825	21	(CSV:310)
=	SERVILLEI	SOLIER	1835	118	(CSV:306)
=	SICANUS	CSIKI	1927	172	(CSV:306)
02	CHEMINORUM	DEUVE	1988	175	(DEU:INL)
03	MACILENTUS	LAPOUGE	1899	103	(J+Z: 17)
=	BALEARICUS	LAPOUGE	1913	9	(DEU:INL)
04	MORBILLOSUS	S.STR.	----	--	(CSV:310)
002 00	PLANATUS	CHAUDOIR	1843	744	(BR:1420),(DEU:171)
01	PLANATUS	S.STR.	----	--	(CSV:312)
=	THOMSONI	FAIRMAIRE	1857	726	(CSV:312)
003 00	RUGOSUS	FABRICIUS	1775	130	(BR:1412),(DEU:170)
01	BOETICUS	DEYROLLE	1852	247	(J+Z: 17)
=	BAETICUS	AUCT.	----	--	(ZRC:1986:280/281)
02	BRANNANI	SCHAUFUSS	1871	194	(J+Z: 17)

03	CELTIBERICUS	GERMAR	1824	5	(J+Z: 17)
04	LAUFFERI	BREUNING	1927	84	(J+Z: 17)
05	LEVANTINUS	LAUFFER	1905	404	(J+Z: 17)
06	PSEUDOBOETICUS	BRANES	1985	6	(ZRC:281)
	= PSEUDOBAETICUS	LASSALLE	1986	73	(DEU:171)
07	RUGOSUS	S.STR.	----	--	(J+Z: 17)
08	SEGURANUS	LAUFFER	1905	404	(J+Z: 17)

29 - subgenus LAMPROSTUS Motschulsky 1865

001 00	TOROSUS	FRIV	1835	252	(BR:1343), (DEU:135)
01	TOROSUS	S.STR.	----	--	(H+W: 14)

30 - subgenus PROCRUSTES Bonelli 1809

001 00	BANONI	DEJEAN	1829	282	(BR:1384), (DEU:141)
01	BANONI	S.STR.	----	--	
002 00	CORIACEUS	LINNAEUS	1758	413	(BR:1389), (DEU:142)
01	CERISYI	DEJEAN	1826	30	(H+W: 14)
02	CORIACEUS	S.STR.	----	--	(FHL: 31)
	= ANGUSTICOLLIS	MOTSCH	1859	123	(CSV:346)
	= CORDICOLLIS	MOTSCH	1865	298	(CSV:346)
	= SPRETUS	DEJEAN	1826	29	(CSV:346)
	= SUBLINEATUS	GEHIN	1885	2	(MAK:INL)
03	EXCAVATUS	CHARPENT	1825	184	(CSV:346)
	= RUGOSUS	DEJEAN	1826	29	(CSV:346)
04	KINDERMANNI	WALT	1838	452	(H+W: 14)
05	MEDITERRANEUS	BORN	1906	203	(CSV:346)
06	RUGIFER	KRAATZ	1877	435	(FHL: 31)
	= PSEUDORUGIFER	SOKOLAR	1906	200	

31 - subgenus PROCERUS Dejean 1826

001 00	DUPONCHELI	DEJEAN	1831	528	(BR:1333), (DEU:160)
01	DUPONCHELI	S.STR.	----	--	(CAV: 65)
002 00	GIGAS	CREUTZER	1799	107	(BR:1331), (DEU:160)
01	GIGAS	S.STR.	----	--	(CAV: 58)
	= SCABROSUS	FABRICIUS	1801	(NEC. OLIVIER)	
02	PARNASSICUS	KRAATZ-KOS.	1884	399	(CAV: 62)

003	00	SCABROSUS	OLIVIER	1795	17	(BR:1318),(DEU:160)
	01	SCABROSUS	S.STR.	----	--	(CAV:107)
	02	TAURICUS	BONELLI	1811	48	(CAV:113)
004	00	SOMMERI	MANNH	1844	868	(BR:1321),(DEU:161)
	01	BURESCHIANUS	BREUNING	1928	109	(CAV: 85),(H+W: 13)

Hybrids

Only the most important names of hybrids are mentioned; they were mainly taken from the world list of Deuve (1991):

(Carabus pacholei Sokolar, 1911 may be a hybrid [*C. arvensis* x *C. ullrichi*] after Deuve (DEU: 35)).

Mesocarabus urculoensis Nicolas, 1919 [*C. problematicus* x *C. lusitanicus*] (DEU: 100)

Platycarabus meschniggi Born, 1920 [*C. bonellii* x *C. fabricii*] (DEU: 104).

Platycarabus sustenensis Born, 1920 [*C. bonellii* x *C. fabricii*] (DEU: 104).

Platycarabus gspani Kobm., 1925 [*C. creutzeri* x *C. irregularis*] (DEU: 105).

Platycarabus konscheggi Born, 1912 [*C. creutzeri* x *C. irregularis*] (DEU: 105).

Platycarabus pseudonothus Kraatz, 1878 [*C. creutzeri* x *C. irregularis*] (DEU: 105).

Megodontus mouthiezi Darnaud & Poussin, 1982 [*C. violaceus* x *C. auronitens*] (DEU: 158).

Megodontus deubeli Reitter, 1896 [*C. violaceus* x *C. planicollis*] (DEU: 158).

Chrysocarabus arraizensis Raynaud, 1938 [*C. lineatus* x *C. splendens*] (DEU: 163).

Chrysocarabus bartheensis Nicolas, 1923 [*C. lineatus* x *C. splendens*] (DEU: 163).

Chrysocarabus jeannae Raynaud, 1936 [*C. lineatus* x *C. splendens*] (DEU: 163).

Chrysocarabus annae Raynaud, 1936 [*C. lineatus* x *C. auronitens*] (DEU: 164)

Chrysocarabus andronnensis Nicolas, 1923 [*C. splendens* x *C. auronitens*] (DEU: 164)

Chrysocarabus boreli Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 164)

Chrysocarabus breiti Le Moul, 1913 [*C. splendens* x *C. auronitens*] (DEU: 164)

- Chrysocarabus bugareti* Jeannel, 1941 [*C. auronitens* and *C. hispanus*] (DEU: 168).
- Chrysocarabus clarofemoratus* Nicolas, 1923 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus croesus* Oberthür, 1898 [*C. hispanus* x *C. rutilans*] (DEU:INL)(JEANNEL, 1941)
- Chrysocarabus esquiyeensis* Nicolas, 1923 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus eugenieae* Raynaud, 1936 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus faustulus* Lapouge, 1910 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus helenae* Mollard, 1992 [*C. rutilans* x *C. auronitens*] (DEU:INL)
- Chrysocarabus ignipennis* Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus kricheldorffi* Le Moul, 1913 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus lanieli* Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus lemoulti* Lapouge, 1910 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus lorentzoi* Raynaud, 1968 [*C. lateralis* x *C. auronitens*] (DEU:INL)
- Chrysocarabus lusianusae* Fradois, 1940 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus nigricornis* Lebis, 1926 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus olieri* Raynaud, 1943 [*C. splendens* x *C. hispanus*] (DEU: 168)
- Chrysocarabus portoi* Raynaud, 1968 [*C. splendens* x *C. lateralis*] (DEU:INL)
- Chrysocarabus pseudofaustulus* Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus pseudoholochrysus* Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus pseudopumicatus* Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus rufofemoratus* Barthe, 1924 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus rugosus* Le Moul, 1912 (non Fabricius) [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus salvanerensis* Raynaud, 1970 [*C. splendens* x *C. auronitens*] (DEU:INL)
- Chrysocarabus vacheri* Basilewski, 1931 [*C. splendens* x *C. auronitens*] (DEU: 165)
- Chrysocarabus vulcanus* Le Moul, 1912 [*C. splendens* x *C. auronitens*] (DEU: 165)

The Atlas, distributions of the species in Europe

General remarks

This part deals with the distributions of all European species. In an overview (table 2) some data are given in addition to the maps. In the present atlas the maps are only given at species level. No information is given about the occurrence(s) of eventual subspecies. Nevertheless, in our opinion, good checklists should contain an optimum of distributional information as well. It must be stressed that we intend to present the best possible distribution images, but that for many species there exist remarkable gaps in faunistic knowledge. Readers who have additional information, criticisms and/or corrections about natural occurrences or species probably being extinct or imported, are invited to let us know! General information about the distributions was taken from Breuning (1932-1937), Darnaud (1977, 1978a-c, 1979a-b, 1980, 1981a-c, 1983a-b and 1984a-b), and Deuve (1991). As shown below, catalogues and checklists are available for almost all political units. As a basis for the species' distributions, the compilation by Turin (1981) was used. However, many new works were issued since, especially for eastern Europe. In table 2, the species' presences have generally been given at the level of countries (see fig. 1). For Russia and other European parts of the former Soviet territory a further division was made (see fig. 2). At the same time, our list can roughly be divided into ten more or less natural geographical regions according to the "Fiziko-geograficheskii atlas mira" (1964), (see fig. 5). However, particularly in the north of the mediterranean regions, these borders will not coincide exactly with political borders (e.g. the river Po instead of the northern border of Italy). For the specific countries/regions, the following sources have been used (see also figs. 1 and 2):

Sources for distributional data

GEOGRAPHICAL REGION	POLITICAL REGION	SOURCE
I - ICELAND	A - Iceland	(Larsson & Gigja 1959)
II - FENNO-SCANDIA	B - Norway	(Lindroth, 1945, 1985; Silfverberg, 1992)
	C - Sweden	(Lindroth, 1945, 1985; Silfverberg, 1992)
	D - Finland	(Lindroth, 1945, 1985; Silfverberg, 1992)
	E - Russian Fennoscandia (Kola penins. + Karelia)	(Poppius, 1899, 1905, 1910; Lindroth, 1945, 1985; Silfverberg, 1992; Uzenbaev et al., 1986; coll)
	F - Denmark	(Bangsholt, 1983; Biström & Silfverberg, 1985; Lindroth, 1985; Silfverberg, 1992)
III - BRITAIN	G - British Isles	(Lindroth, 1974; Pope, 1977, Luff, i.l.)
IV - WESTERN- AND CENTRAL EUROPE	H - The Netherlands	(Turin et al., 1977; Turin, 1990)
	I - Belgium	(Desender, 1986a)
	J - Germany	(Arndt, 1989; Freude et al., 1976; Lucht, 1988, 1989)
	K - Poland	(Burakowski et al., 1973; Lucht, 1988, 1989)
	L - Czechoslovakia	(Kult, 1947; Pulpan & Hurka, 1983)
	M - Austria	(Lucht, 1988, 1989; Mandl, 1958, 1972)
	N - Switzerland	(Du Chatenet, 1986; Lucht, 1988, 1989)
	O - France	(Jeannel, 1941-42, 1949; Bonadonna, 1971)

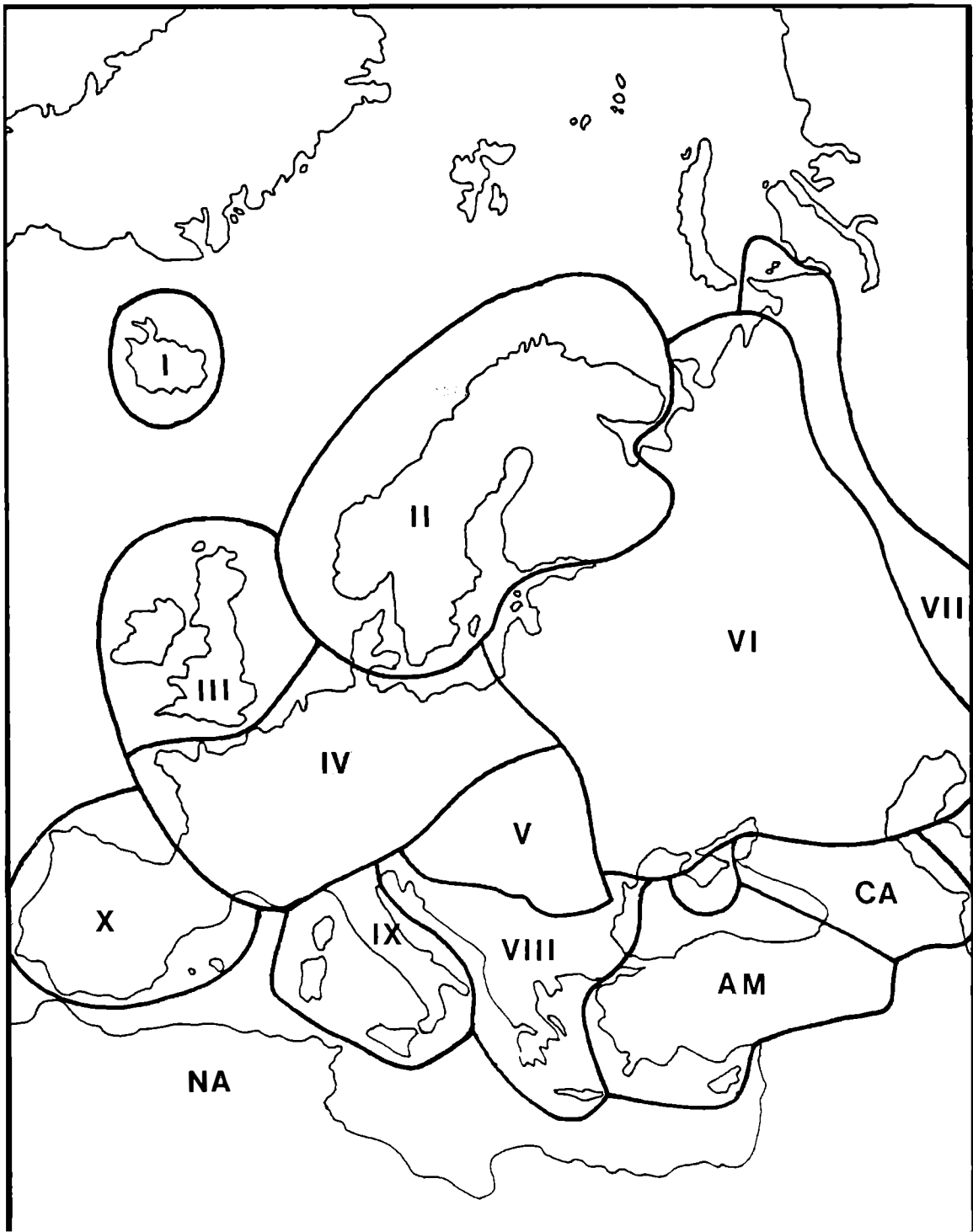


Figure 5.

Division of Europe in geographical regions (after the "Fiziko-geograficheskii atlas mira" 1964): I = Iceland; II = Fennoscandia; III = Britain; IV = Western- and central Europe; V = Pannonia and the Carpathians; VI = East European plain; VII = Urals; VIII = Balkans; IX = Italy; X = Iberia. Adjacent areas: AM = Asia Minor; CA = Caucasus; NA = North Africa.

(sources for distributional data, continued)

GEOGRAPHICAL REGION	POLITICAL REGION	SOURCE
V - PANNONIA AND CARPATHIANS	P - Rumania Q - Hungary	(Breuning, 1932-1937; Panin, 1955) (Adam & Merkl, 1986; Csiki, 1946; Hieke, 1983; Nyilas, in litt.)
VI - EAST EUROPEAN PLAIN	R1 - Estonia R2 - Latvia R3 - Lithuania R4 - Byelorussia R5 - Ukraine (incl. Crimea) R6 - Crimea (separately) R7 - Moldova R8 - North-Eastern Eur. Russia R9 - Middle Eur. Russia R0 - Southern Eur. Russia	(Habermann, 1986; Rathlef, 1905; Silfverberg, 1992) (Rathlef, 1905; Silfverberg, 1992; Spuris, 1983) (Rathlef, 1905; Silfverberg, 1992; coll.) (Aleksandrovich, 1991) (Averin, 1938; Ponomarchuk, 1956; coll.) (Eidelberg et al., 1988; Koval', 1990; coll.) (Adashkevich et al., 1973; Nekulisyau in litt.; coll.) (Kryzhanovskij, 1965, 1980a, 1980b, 1982; coll.) (Kryzhanovskij, 1965; 1980a, 1980b, 1981, 1982; coll.) (Kryzhanovskij, 1965; 1980a, 1981, 1982; coll.)
VII - URALS	S1 - Northern Ural Mts. S2 - Middle Ural Mts. S3 - Southern Ural Mts.	(Andreeva & Eremin, 1991; Korobeynikov, 1991; coll.) (Kozminykh in litt.; Kozminykh & Esjunin, 1991; Kozyrev, 1991; coll.) (Korobeynikov, 1991; Korobeynikov et al., 1991; Kozminykh in litt.; Matveev, 1988; Zinovjev, 1991; coll.)
VIII - BALKANS	T1 - Slovenia, Croatia, Bosnia Herzegovina, Montenegro T2 - Serbia, Yug. Macedonia T3 - Albania T4 - Greece T5 - European Turkey T6 - Bulgaria	(Apfelbeck, 1904; Breuning, 1932-1937; Casale et al., 1982; Cavazzuti, 1989; Drovenik, 1972; Ganglbauer, 1892) (Apfelbeck, 1904; Breuning, 1932-1937; Cavazzuti, 1989; coll.) (Apfelbeck, 1904; Breuning, 1932-1937; Casale et al., 1983; Cavazzuti, 1989; coll.) (Apfelbeck, 1905; Breuning, 1932-1937; Casale et al., 1983; Cavazzuti, 1989; coll.) (Apfelbeck, 1905; Breuning, 1932-1937; Cavazzuti, 1989; Darge, 1990) (Cavazzuti, 1989; Hieke & Wrase, 1988; Gueorguiev, 1989; Wrase, 1991)
IX - ITALY	U - Italy	(Casale, Sturani & Vigna Taglianti, 1983)
X - IBERIA	V - Spain W - Portugal	(Jeanne & Zaballo, 1986) (Jeanne & Zaballo, 1986; Paulino d'Oliveira, 1876)
ADJACENT AREAS	X - North Africa Y - Asia Minor Z - Caucasus	(Alfieri, 1976; Antoine, 1955; Bedel, 1895-1914) (Apfelbeck, 1905; Breuning, 1932-1937; Cavazzuti, 1989; Darge, 1990) (coll.)

Without further information, the regions mentioned above are confined to political borders. In the overview above, "coll." means that (additional) data were obtained from collections and/or numerous small literature sources.

Because Eastern European literature is sometimes hardly accessible to western workers, the distribution overview in table 2 is given more in detail for that part of Europe. The species' presence in the former Soviet territory is mainly based on the work of Kryzhanovskij (1965). The division of these regions is given in fig. 2, about which some notes should be made:

- 1) The boundary between North- (R8) and Middle Russia (R9) almost coincides with the 60° N. and corresponds with the boundary between the southern- and middle taiga subzones,
- 2) Middle Russia (R9) and South Russia (R0) are divided in correspondence with the boundary between the forest-steppe and steppe subzones,
- 3) The Northern Ural (S1) and the Middle Ural (S2) are divided at the 64° N. which corresponds with the boundary between the northern and middle taiga subzones,
- 4) The Middle Ural (S2) and the Southern Ural (S3) are divided by the line between Ufa and Chelyabinsk,
- 5) The Caucasus (Z) is separated from European Russia (R0) by the Kumo-Manych basin (the line Rostov-na-Donu -- Kizlyar Bey),
- 6) The eastern border of Europe is taken along the eastern slope of the Ural Mountains,
- 7) The lists for the Caucasus (Z) as well as Asia Minor (Y) include only the European species and are therefore not complete!

Overview of the species distributions

In table 2 the species' distributions have been summarized according to the above mentioned sources (compare figs. 1, 2 and 5). The table gives some information in addition to the distribution maps. After the species names the presences and absences have been indicated by "+" and "." respectively. A "?" has been used in case of doubtful occurrences. "!" means that a species was mentioned in the literature for this region, but that according to our investigations or more recent publications this (these) record(s) will be erroneous. An "i" indicates where species were introduced, most probably by human activity. Finally, an "*" indicates where the species was still present during the first part of the 20th century, but where it must be regarded as extinct now.

Table 2.

Region		I	II	III	IV	V	VI	VII	VIII	IX	X	ADJAC
Species		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
							1 2 3 4 5 6 7 8 9 0	1 2 3	1 2 3 4 5 6			
ADAMELLICOLA	11 001	.		.		.		. . .		+	. .	. . .
AERUGINOSUS	02 001	.		.		.	. . . ! . . . + + .	+ + +		.	. .	. . .
ALPESTRIS	11 002	.		.	. . + . + . .	.		. . .	+	+	. .	. . .
ALYSSIDOTUS	06 001	.		.	 +	.		. . .		+	+	. . .
AMPLIPENNIS	12 001	.		.		.		. . .		.	+ +	. . .
ANTIPAI	13 001	.		.		+		. . .		.	. .	. . .
ARCADICUS	19 001	.		.		.		. . .	. . ? + . .	.	. .	. . .
ARVENNIS	04 001	.	+ + + + +	+	+ + + + + + + +	+ +	+ + + + + . + + + .	. + +	+	+	. .	. . .
AURATUS	05 001	.	+ i . . +	i	+ + + + + + + +	! ?		. . .		.	+	. . .
AURICULATUS	25 001	.		.		.		. . .		.	+	. . .
AUROLIMBATUS	23 001	.		.		.	. . . + + . . + +	. +		.	. .	. . +
AURONITENS	26 001	.		.	+ + + + + + + +	+ +	 +	. . .	+ +	+	+	. . .
BANONI	30 001	.		.		.		. . .	. . . + . .	.	. .	. . .
BERTOLINII	11 003	.		.		.		. . .		+	. .	. . .
BESSARABICUS	13 002	.		.		.	 + + . . +	. +		.	. .	. . +
BESSERI	02 002	.		.	. . ?	+	 + . + . .	. . .		.	. .	. . .
BONELLII	20 001	.		.	. . + . . + +	.		. . .		+	. .	. . .
BOSPHORANUS	02 003	.		.		.	 +	. . .	. . . ? .	.	. .	. + +
CAELATUS	23 002	.		.	 ? . .	.		. . .	+ + + . . .	+	. .	. . .
CANALICULATUS	09 001	.		.		.		+ + .		.	. .	. . .
CANCELLATUS	05 002	.	+ + + + +	i	+ + + + + + + +	+ +	+ + + + + + + + +	. + +	+ + + . . +	+	+	. . .
CARINTHIACUS	11 004	.		.	 + . .	.		. . .	+	+	. .	. . .
CASTANOPTERUS	11 005	.		.		.		. . .		+	. .	. . .
CATENULATUS	04 002	.		.	 +	.		. . .	+	+	. .	. . .
CAVERNOSUS	15 001	.		.		?		. . .	+ + + ? . +	+	. .	. . .
CENISIUS	11 006	.		.	 +	.		. . .		+	. .	. . .
CLATHRATUS	01 001	.	+ + + + +	+	+ + + + + . +	+ +	+ + + + + + + + +	. + +	+ + ? + ? +	+	. .	. + +
COMPTUS	02 004	.		.		+ +		. . .	. ?	.	. .	. . .
CONCOLOR	11 007	.		.	 + +	.		. . .		+	. .	. . .
CONVEXUS	13 003	.	+ + + + +	.	+ + + + + + + +	+ +	+ + + + + ? + . + +	+ + +	+ + + + + +	+	+	. + +
CORIACEUS	30 002	.	+ + . . +	.	+ + + + + + + +	+ +	+ + + + + . + . + .	. . .	+ + + + + +	+	. .	. . .
CREUTZERI	20 002	.		.	 + +	?		. . .	+	+	. .	. . .
CRIBELLATUS	15 002	.		.		.		. . +		.	. .	. . .
CRISTOPORII	05 003	.		.	 +	.		. . .		.	+	. . .
CROATICUS	23 003	.		.		.		. . .	+ + + ? . .	?	. .	. . .
CYCHROIDES	20 003	.		.		.		. . .		+	. .	. . .
DEYROLLEI	04 003	.		.		.		. . .		.	+ +	. . .
DUFOURI	10 001	.		.		.		. . .		.	+	. . .
DUPONCHELI	31 001	.		.		.		. . .	. . . + . .	.	. .	. . .
ERMAKI	24 001	.		.		.	 + .	+		.	. .	. . .
ERRANS	02 005	.		.		.	. . . + ? . . +	. . .		.	. .	. . .
ESTREICHERI	02 006	.		.		.	. . . + . . + +	. + +		.	. .	. . .
EXARATUS	23 004	.		.		.		. . i		.	. .	. . +

Checklist and Atlas of the Genus Carabus L. in Europe

Region		I	II	III	IV	V	VI	VII	VIII	IX	X	ADJAC
Species		A	B C D E F	G	H I J K L M N O	P Q	R 1 2 3 4 5 6 7 8 9 0	S 1 2 3	T 1 2 3 4 5 6	U	V W	X Y Z
EXCELLENS	02 007	.		.	. . . +	+	. . . + + ? + . + +	. . .		.	. .	. . .
FABRICII	20 004	.		.	. . + + + + +	+	. . . +	. . .		+	. .	. . .
FAIRMAIREI	11 008	.		.	 +	.		. . .		+	. .	. . .
FAMINI	14 001	.		.		.		. . .		+	. .	+ . .
GALICIANUS	16 001	.		.		.		. . .		.	+ +	. . .
GENEI	14 002	.		.	 +	.		. . .		+	. .	. . .
GERMARI	23 005	.		.	 + + +	.		. . .	+	+	. .	. . .
GHILIANI	12 002	.		.		.		. . .		.	+	. . .
GIGAS	31 002	.		.	 + . .	+		. . .	+ + + + . +	+	. .	. . .
GLABRATUS	12 003	.	+ + + + +	+	* + + + + + + +	+	+ + + + + . + + + +	+ + +	+	+	. .	. . .
GRAECUS	15 003	.		.		+		. . .	. ? + + + +	.	. .	. + .
GRANULATUS	03 001	.	+ + + + +	+	+ + + + + + + +	+	+ + + + + + + + + +	. + +	+ + + + . +	+	+	. . +
GUADARRAMUS	12 004	.		.		.		. . .		.	+	. . .
GYLLENHALI	23 006	.		.		.	 +	. . .		.	. .	. . .
HAERES	02 008	.		.		.	 + . . . + +	. . .		.	. .	. . .
HAMPEI	02 009	.		.		+	 +	. . .		.	. .	. . .
HENNINGI	02 010	.		.		.	 + + .	+ + +		.	. .	. . .
HETEROMORPHUS	11 009	.		.		.		. . .		+	. .	. . .
HISPANUS	27 001	.		.	 +	.		. . .		.	. .	. . .
HORTENSIS	12 005	.	+ + + + +	.	. . + + + + + +	+	+ + + + + . . . + .	. + .	+ + ? + . +	+	. .	. . .
HUMMELI	02 011	.		.		.		+ . .		.	. .	. . .
HUNGARICUS	15 004	.		.	 + . . .	+	 + + . . + +	. . .	. + . . . +	.	. .	. . +
INTRICATUS	19 002	.	. + . . +	*	* + + + + + + +	+	* ? . + + . + . . .	. . .	+ + + + + +	+	. .	. . .
IRREGULARIS	20 005	.		.	. * + + + + + +	+	 +	. . .	+ + ? . . .	+	. .	. . .
ITALICUS	04 004	.		.	 + . .	.		. . .		+	. .	. . .
JANTHINUS	22 001	.		.		.		. . i		.	. .	. . +
KARPINSKII	02 012	.		.		.		. . +		.	. .	. . .
KOLLARI	02 013	.		.		+	?	. . .	? +	.	. .	. . .
KRUEPERI	19 003	.		.		.		. . .	. . . + . .	.	. .	. . .
LATREILLEANUS	11 010	.		.		.		. . .		+	. .	. . .
LEFEBVREI	19 004	.		.		.		. . .		+	. .	. . .
LINEATUS	26 002	.		.	 +	.		. . .		.	+ +	. . .
LINNEI	11 011	.		.	. . + + + + . .	+	 + +	. . .	 +	+	. .	. . .
LOSCHNIKOWI	08 001	.		.		.	 + . .	+ + .		.	. .	. . .
LUSITANICUS	10 002	.		.	 +	.		. . .		.	+ +	. . .
MACROCEPHALUS	10 003	.		.	 +	.		. . .		.	+ +	. . .
MARGINALIS	13 004	.		.	. . + + + . . .	+	. . + + + + . . + +	. + .		.	. .	. . .
MARIETTI	21 001	.		.		.		. . .	 + +	.	. .	. + .
MELANCHOLICUS	17 001	.		.	 +	.		. . .		.	+ +	+ . .
MENETRIESI	03 002	.	. . . + .	.	. . + + + + . .	.	+ + + + + . . . + .	. + .	 +	.	. .	. . .
MERLINI	19 005	.		.		.		. . .	. . . + . .	.	. .	. . .
MONILIS	02 014	.	i	+	+ + + ? ? + + +	.		. . .		+	+	. . .
MONTICOLA	06 002	.		.	 +	.		. . .		+	. .	. . .
MONTIVAGUS	06 003	.		.	 + . . .	+		. . .	+ + + ? ? +	+	. .	. . .
MORBILLOSUS	28 001	.		.	 i	.		. . .		+	+	+ . .
NEMORALIS	06 004	.	+ + + + +	+	+ + + + + + + +	.	+ + + + + ?	. i i	+ ?	+	+	. . .
NITENS	07 001	.	+ + + + +	+	+ + + + + + + +	+	+ + + + + . . + + +	+ + +		?	. .	. . .

Region	I	II	III	IV	V	VI	VII	VIII	IX	X	ADJAC
Species	A	B C D E F	G	H I J K L M N O	P Q	R 1 2 3 4 5 6 7 8 9 0	S 1 2 3	T 1 2 3 4 5 6	U	V W	X Y Z
NODULOSUS 18 001	.		.	. . + . . + + +	. .		. . .	+ . ? . . .	+	. .	. . .
OBSOLETUS 04 005	.		.	. . . + + . . .	++	 +	. . .	. +	.	. .	. . .
ODORATUS 02 015	.		.		. .	 + . . .	+		.	. .	. . .
OLYMPIAE 26 003	.		.		. .		. . .		+	. .	. . .
PARREYSSI 04 006	.		.		. .		. . .	+	.	. .	. . .
PLANATUS 28 002	.		.		. .		. . .		+	. .	. . .
PLANICOLLIS 23 007	.		.		+ ?		. . .		.	. .	. . .
PLANUS 02 016	.		.		. .	 + + . . . +	. . .		.	. .	. . +
PRESLII 12 006	.		.		. .		. . .	+ . + + . .	+	. .	. . .
PROBLEMATICUS 10 004	+	+ + + + +	+	+ + + + + + + +	++	* . + + +	. . .	+	+	+	. . .
PSEUDOMONTICOLA 06 005	.		.		. .		. . .		.	+	. . .
PSEUDOSTEUARTI 12 007	.		.		. .		. . .		.	+	. . .
PURPURASCENS 23 008	.		.	+ + + . . . + +	. .		. . .		.	+	. . .
PUTZEYSIANUS 11 012	.		.	 +	. .		. . .		+	. .	. . .
PYRENAEUS 25 002	.		.	 +	. .		. . .		.	+	. . .
REGALIS 02 017	.		.		. .	 + . . .	+ + +		.	. .	. . .
ROSSII 06 006	.		.		. .		. . .		+	. .	. . .
ROTHI 02 018	.		.		+ ?		. . .		.	. .	. . .
RUGOSUS 28 003	.		.		. .		. . .		.	++	+ . .
RUTILANS 27 002	.		.	 +	. .		. . .		.	+	. . .
RYBINSKII 02 019	.		.		. .	 +	. . .		.	. .	. . .
SCABRIUSCULUS 02 020	.		.	. . . + + + . .	++	 + ? + . + +	. . .	+ + + . + +	.	. .	. + .
SCABROSUS 31 003	.		.		. .	 +	. . .	 + +	.	. .	. + +
SCHEIDLERI 02 021	.		.	. . + + + + . .	++		. . .	+ + ? . . +	.	. .	. . .
SCHOENHERRI 24 002	.		.		. .	 + . .	+ + +		.	. .	. . .
SEPTEMCARINATUS 23 009	.		.		. .	 i . . .	. . .		.	. .	. . +
SIBIRICUS 02 022	.	 ! .	.		. .	 + +	+ + +		.	. .	. ? .
SYLVESTRIS 11 013	.		.	. . + + + + + +	++	 +	. . .	+	+	. .	. . .
SOLIERI 26 004	.		.	 +	. .		. . .		+	. .	. . .
SOMMERI 31 004	.		.		. .		. . .	. . . + . +	.	. .	. + .
SPLENDENS 26 005	.		.	 +	. .		. . .		.	+	. . .
STEUARTI 06 007	.		.		. .		. . .		.	++	. . .
STSCHEGLOWI 04 007	.		.		. .	 + + . . + +	. + +		.	. .	. . .
TOROSUS 29 001	.		.		?	 *	. . .	 + +	.	. .	. + .
TROJANUS 15 005	.		.		. .		. . .	. . . + . .	.	. .	. . .
TRUNCATICOLLIS 09 002	.		.		. .	 + . . .	+		.	. .	. . .
ULLRICHI 04 008	.		.	. . + + + + + .	++	 + . + . . .	. . .	+ + . . . +	.	. .	. . .
VAGANS 05 004	.		.	 +	. .		. . .		+	. .	. . .
VARIOLOSUS 18 002	.		.	. . ? + + . . .	++	 + . + . . .	. . .	. + . . . +	.	. .	. . .
VIOLACEUS 23 010	.	+ + + + +	+	. . + + + + + +	++	+ + + + + ? + + + ?	. + +	+ + . + . +	+	. .	. . +
WIEDEMANNI 06 008	.		.		. .		. . .	. . . + +	.	. .	. + .
ZAWADSZKYI 02 023	.		.	. . . ? + . . .	++	 +	. . .		.	. .	. . .

Table 2.

Distribution of the species:

+ = present, ? = occurrence doubtful, * = old records only, probably extinct, ! = mentioned in the literature for the region, but according to our investigations not present, i = probably introduced.

I - X = geographical regions (see fig. 5), A - Z = political regions (See fig. 1 and 2):

REGION I - ICELAND: A = Iceland; REGION II - FENNOSCANDIA: B = Norway, C = Sweden, D = Finland, E = Russian Fennoscandia (Kola peninsula + Karelia), F = Denmark; REGION III - BRITAIN: G = British Isles; REGION IV - WEST- AND CENTRAL EUROPE: H = The Netherlands, I = Belgium and Luxembourg, J = Germany, K = Poland, L = Czechoslovakia, M = Austria, N = Switzerland, O = France; REGION V - PANNONIAN PLAIN AND CARPATHIANS: P = Rumania, Q = Hungary; REGION VI - EAST EUROPEAN PLAIN: R1 = Estonia, R2 = Latvia, R3 = Lithuania, R4 = Byelorussia, R5 = Ukraine (excluding Crimea), R6 = Crimea, R7 = Moldova, R8 = North-Eastern Russia, R9 = Central Russia, R0 = Southern European Russia; REGION VII - URALS: S1 = Northern Ural mountains, S2 = Central Ural mountains, S3 = Southern Ural mountains; REGION VIII - BALKAN PENINSULA: T1 = Former Yugoslavia: Slovenia, Croatia, Bosnia, Herzegovina, Montenegro, T2 = Former Yugoslavia: Serbia, Macedonia, T3 = Albania, T4 = Greece, T5 = European Turkey, T6 = Bulgaria; REGION IX - ITALY: U = Italy; REGION X - IBERIAN PENINSULA: V = Spain, W = Portugal; ADJAC = ADJACENT REGIONS: X = North Africa, Y = Asia Minor, Z = Caucasus.

The maps

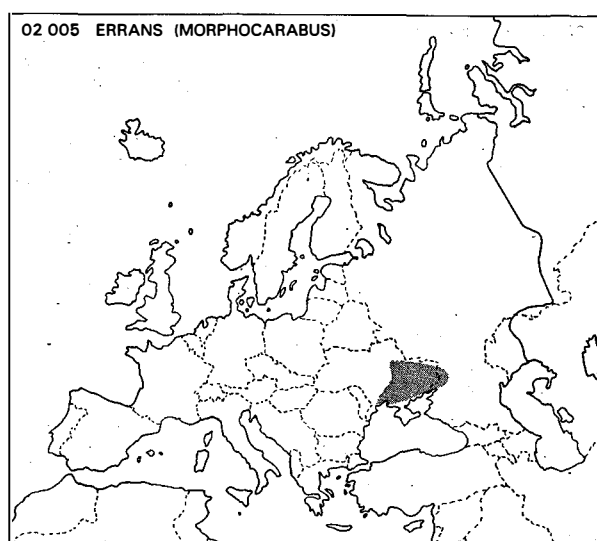
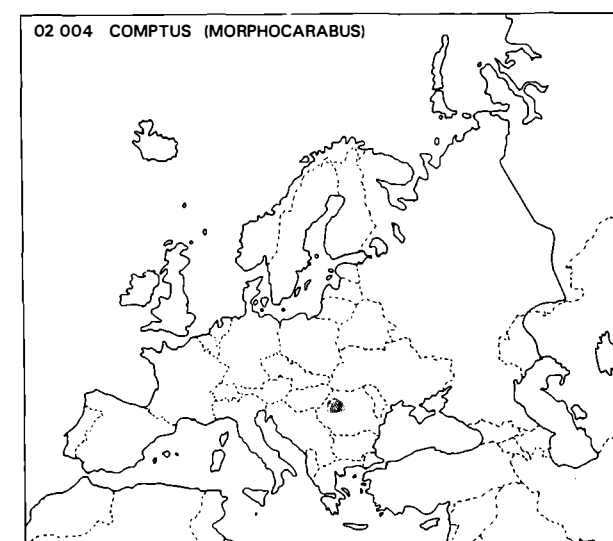
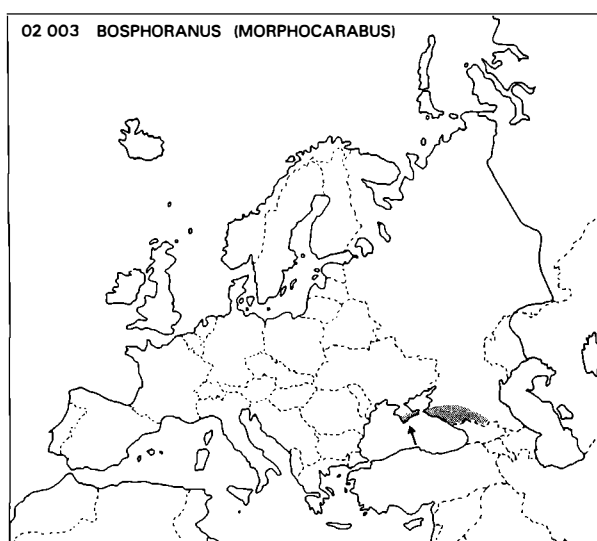
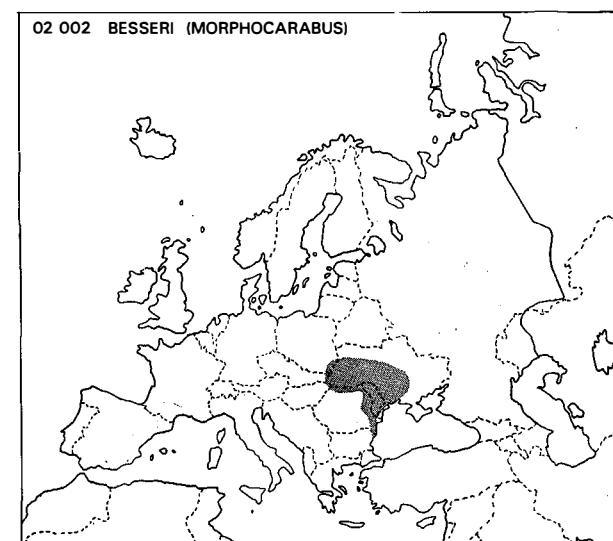
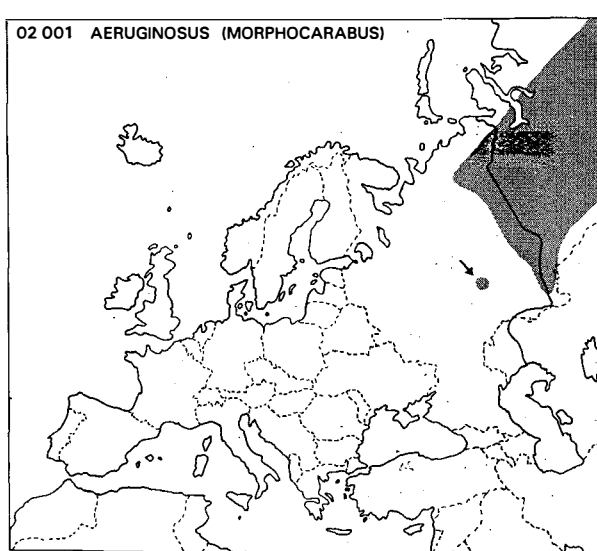
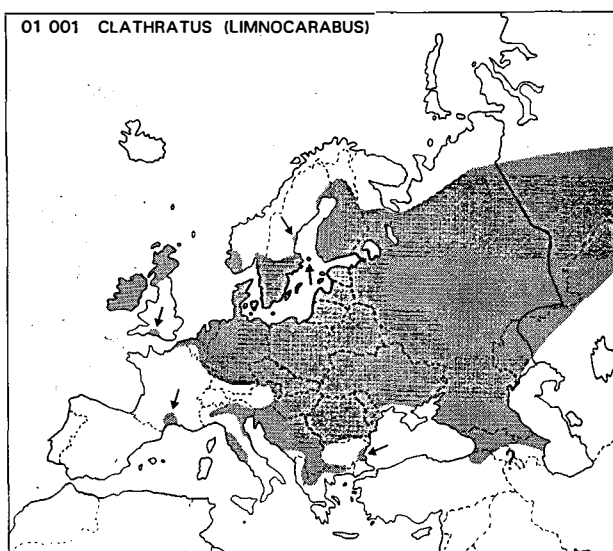
The maps cover the species-group complexes as treated in the present checklist, thus: *Carabus auronitens* includes *C. punctatoauratus*, and *C. violaceus* includes *C. azurescens* as well as *C. picenus* etc. The maps follow the subgenus- and species numbering in the main list.

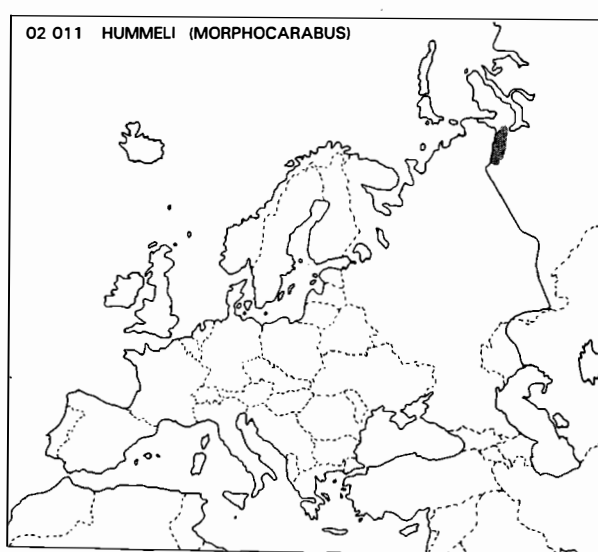
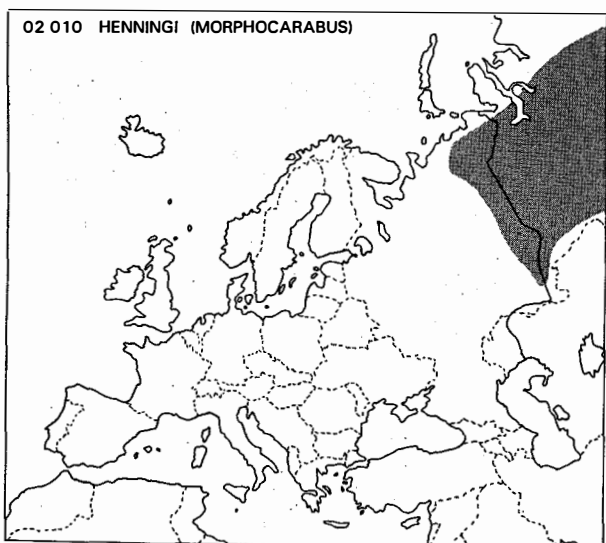
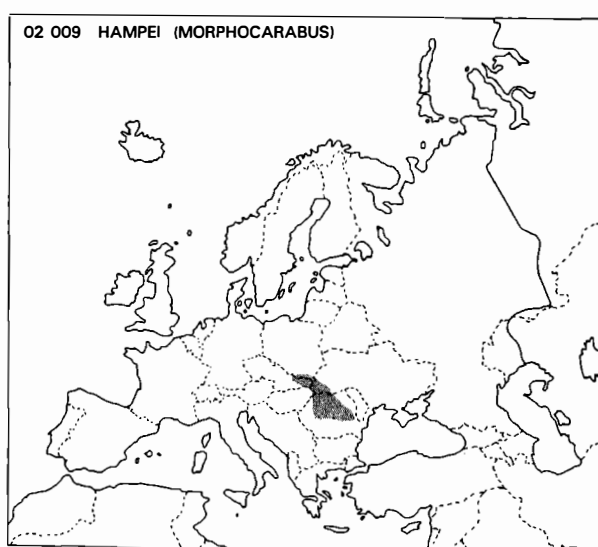
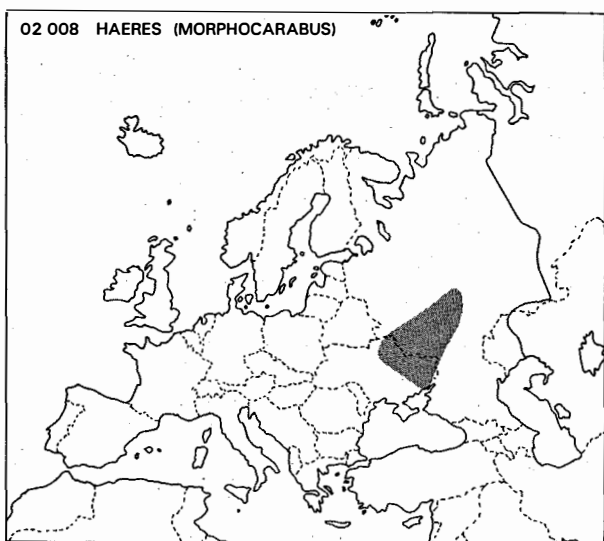
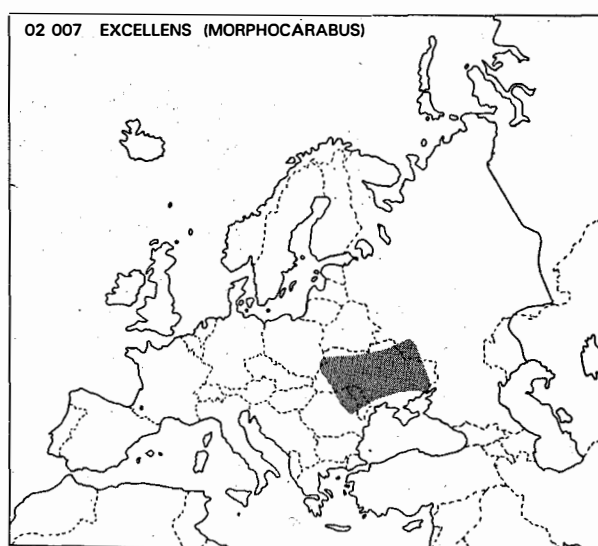
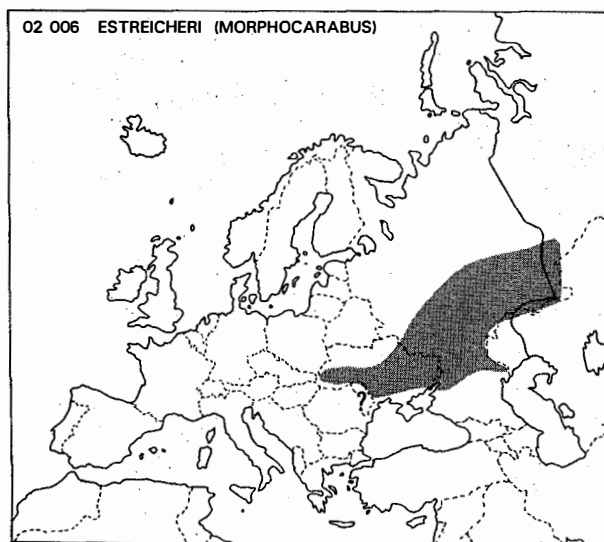
The sources used to compile the distribution maps, have been mentioned above. However, especially for the East European plain, new data have been taken from original sources (e.g. the museum collections of Kiev, Moscow and Saint Petersburg) and our own observations. The accuracy of the distributions has been considerably improved for all species occurring in this area.

Only a few symbols were used in the maps. Generally, for the species' distributions, grey shading has been used. In cases of very small ranges, only the outline of the area is indicated (e.g. some species in the subgenus *Orinocarabus*). Furthermore, relatively inconspicuous occurrences such as e.g. on small islands, have been emphasized by arrows. The symbol (a) has been used where a species presumably is autochthonous. An (e) has been used where a species probably is extinct and an (i) stands for areas where the species recently has been introduced by man.

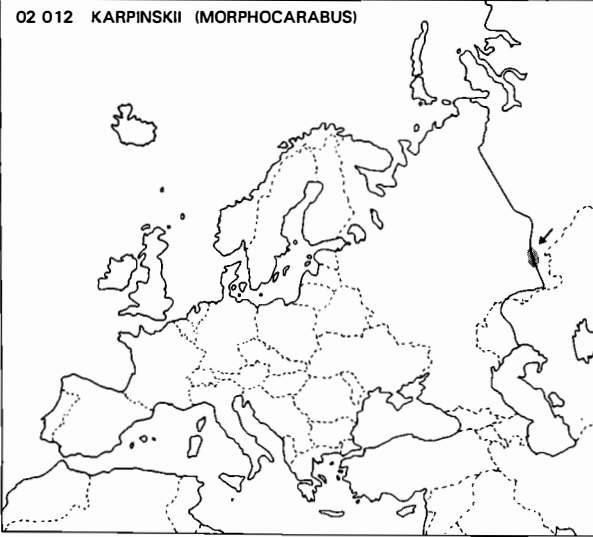
Request

The present list has been prepared as a basis for an extensive biogeographical research program concerning the genus *Carabus in Europe*. Accuracy of the distributions is of great importance for the reliability of such a project as a whole. Readers who can provide us with additional data concerning the distributions of species, or other remarks, are therefore kindly asked to send this information to us.

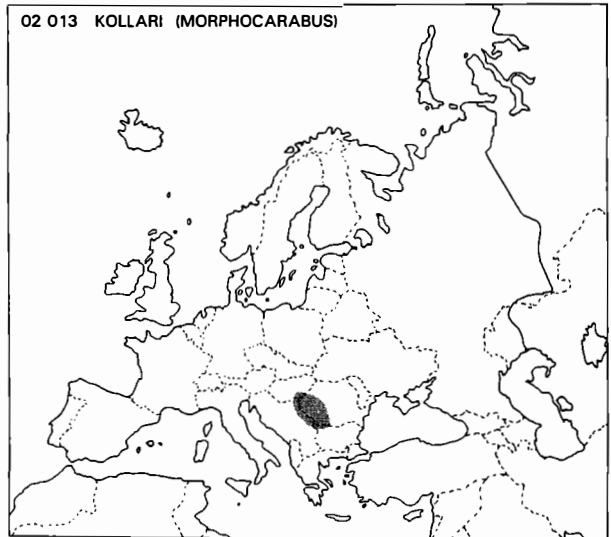




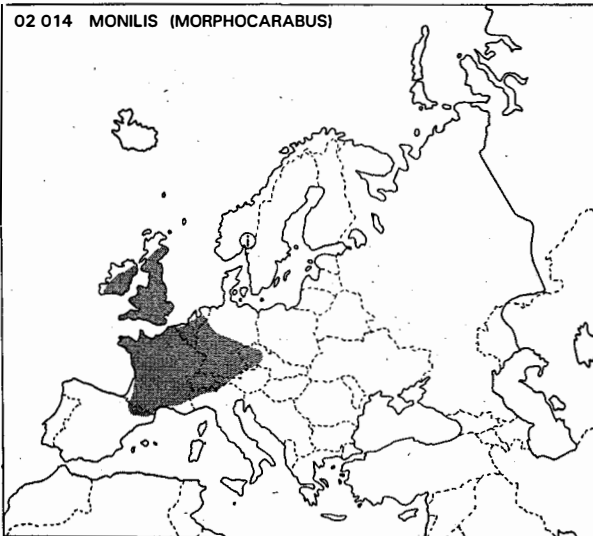
02 012 KARPINSKII (MORPHOCARABUS)



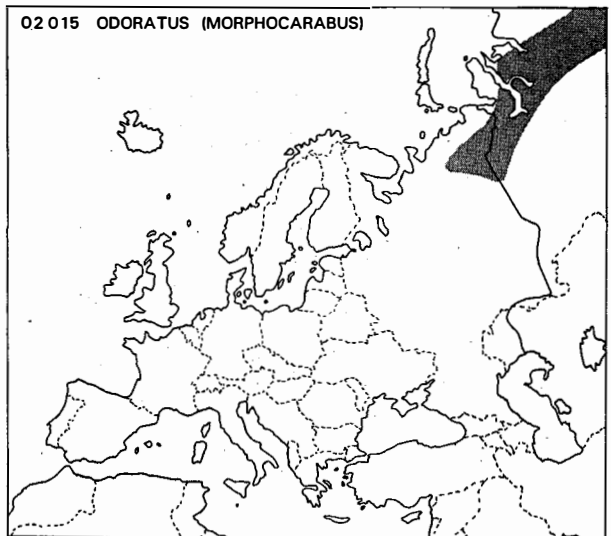
02 013 KOLLARI (MORPHOCARABUS)



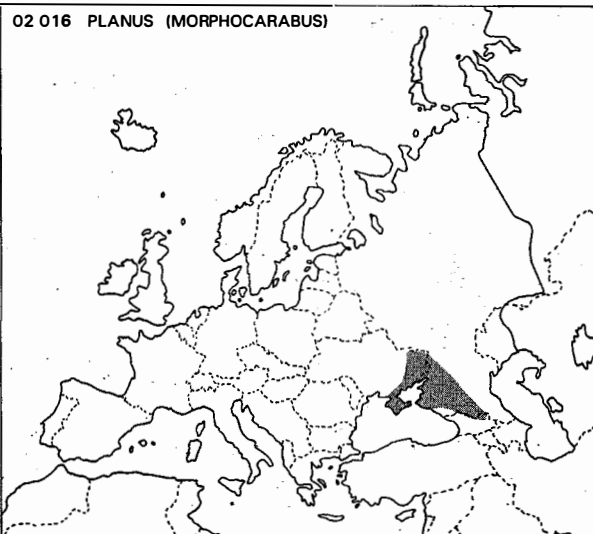
02 014 MONILIS (MORPHOCARABUS)



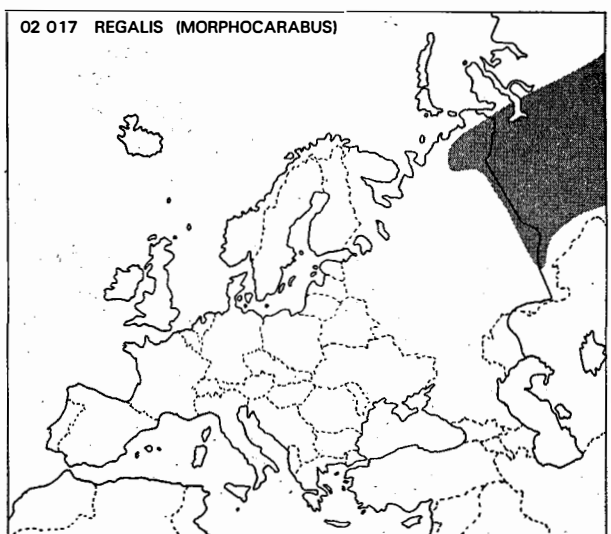
02 015 ODORATUS (MORPHOCARABUS)

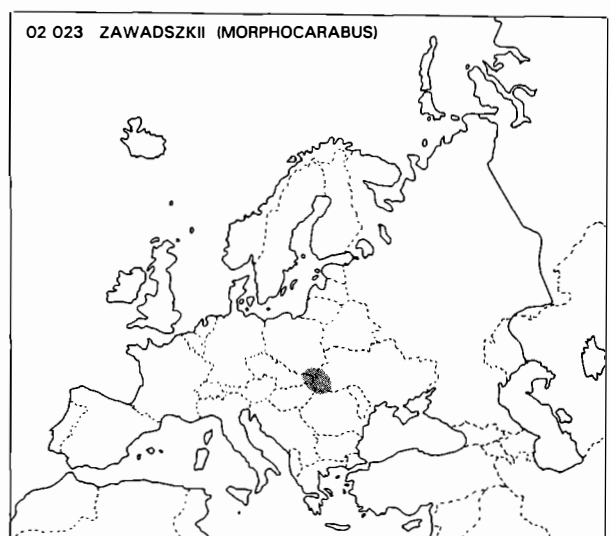
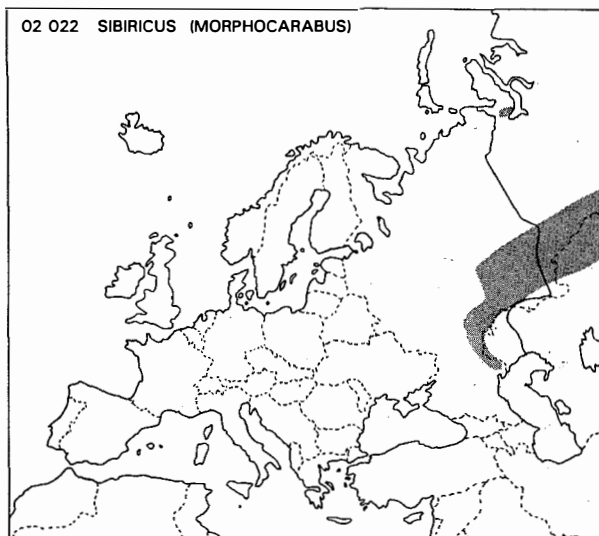
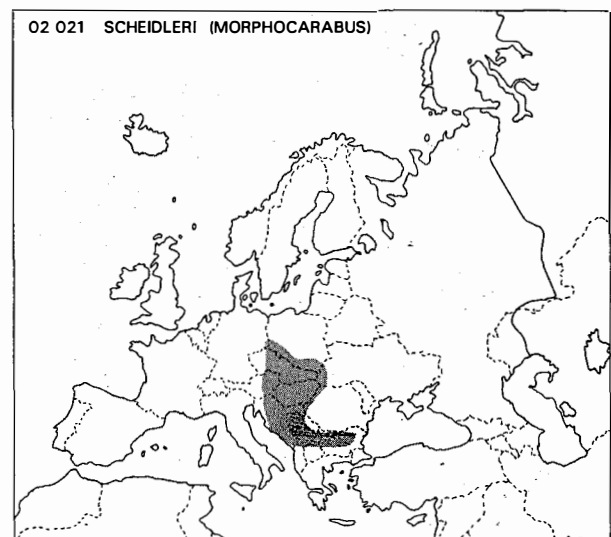
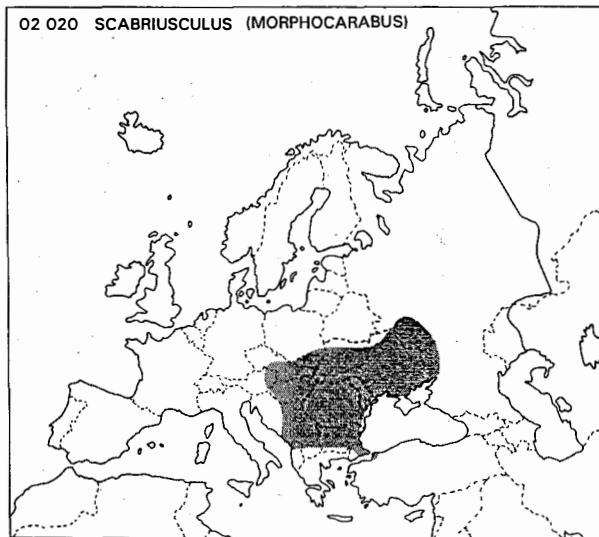
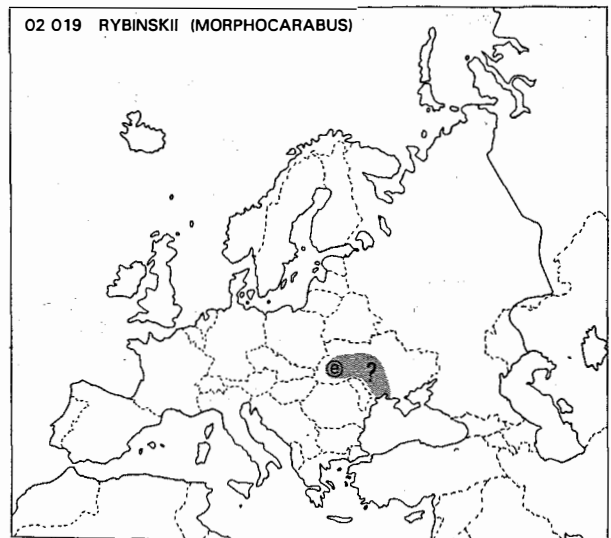
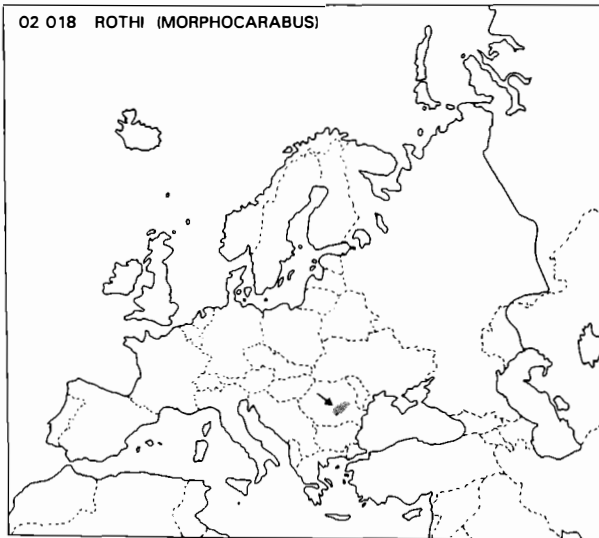


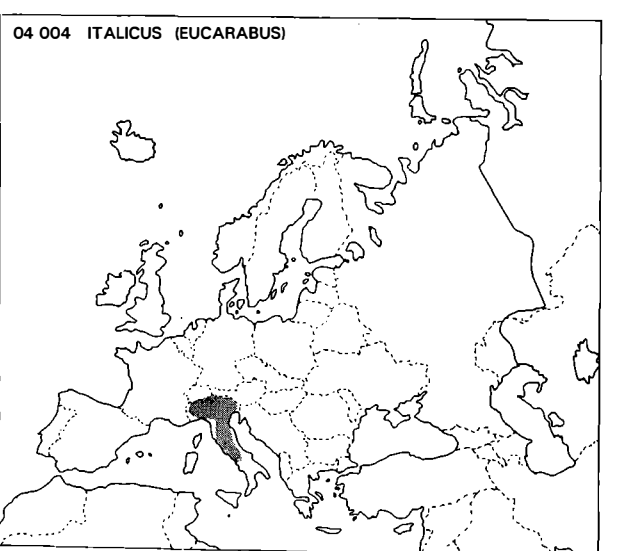
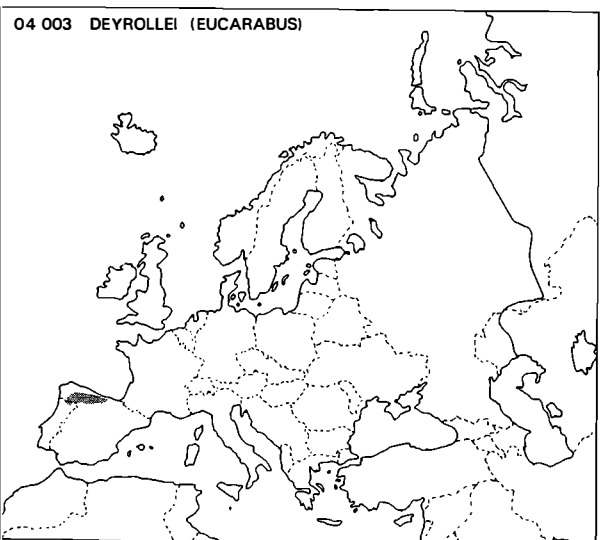
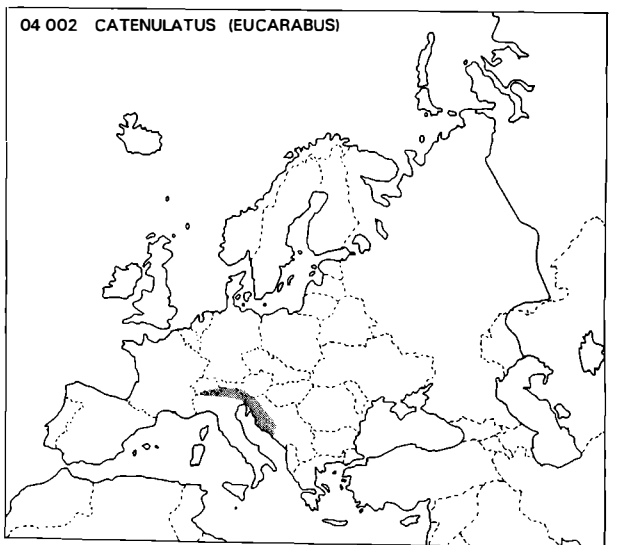
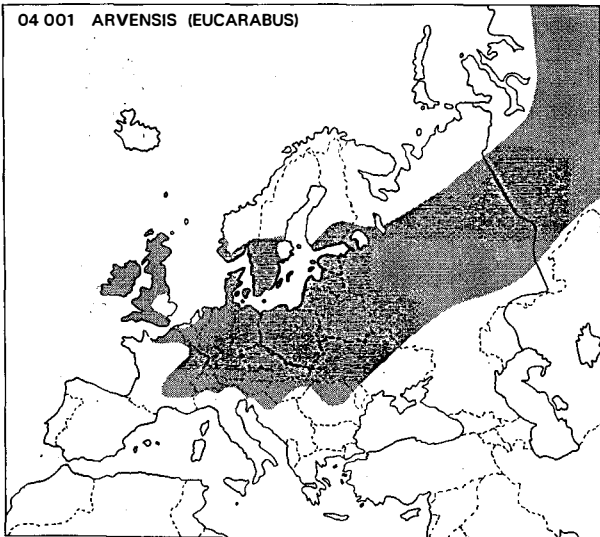
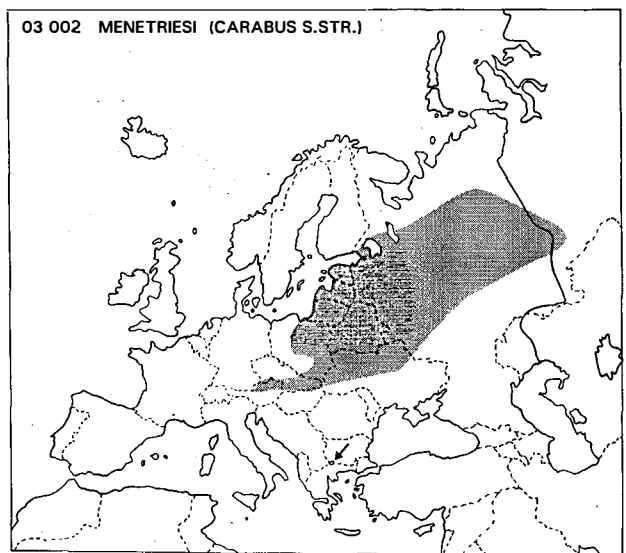
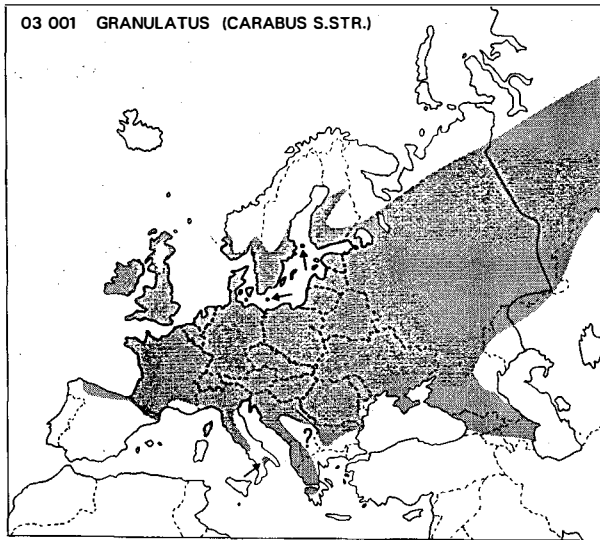
02 016 PLANUS (MORPHOCARABUS)

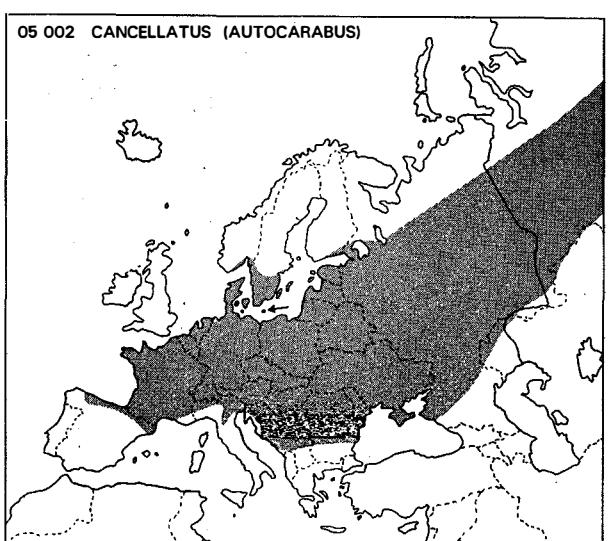
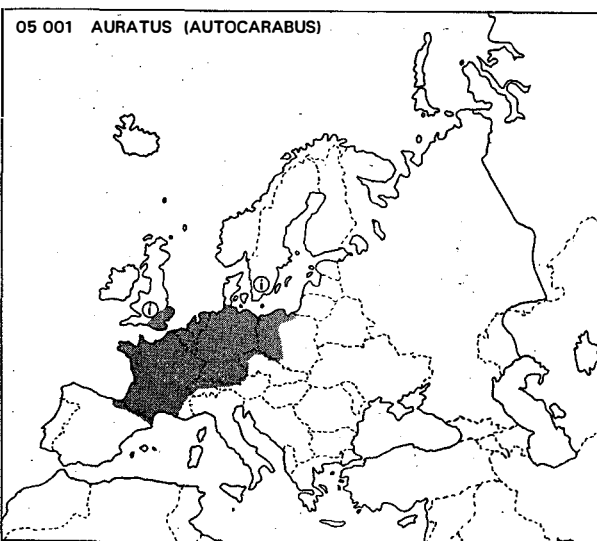
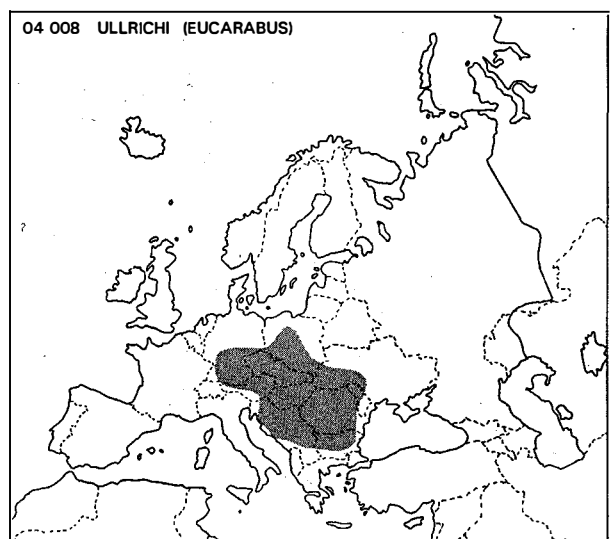
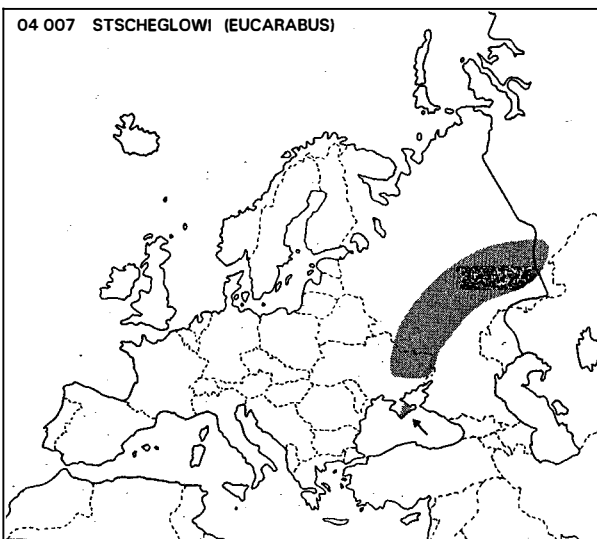
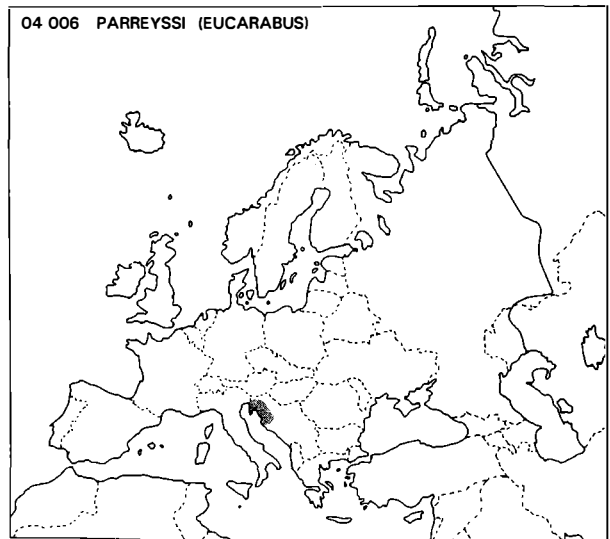
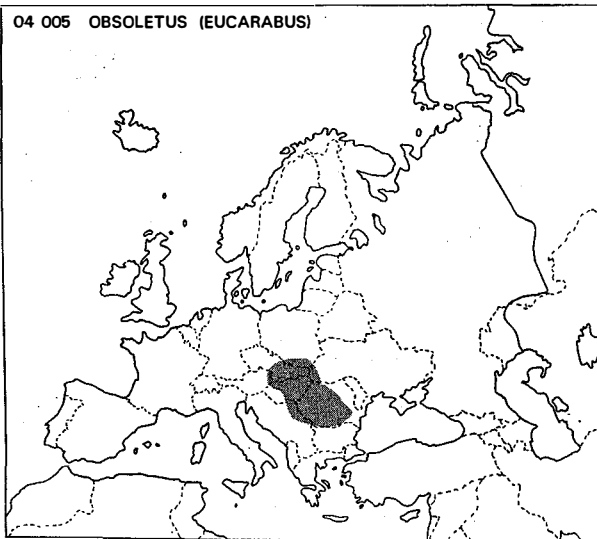


02 017 REGALIS (MORPHOCARABUS)

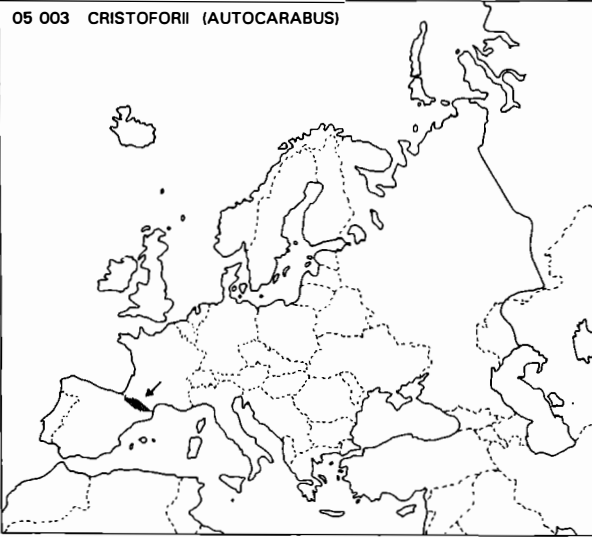




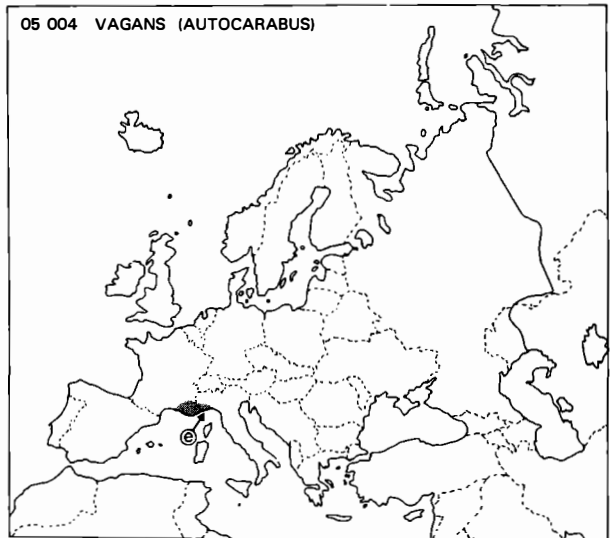




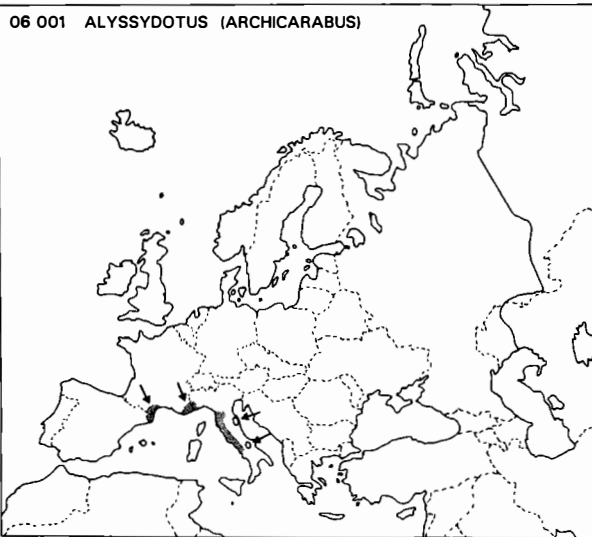
05 003 CRISTOFORII (AUTOCARABUS)



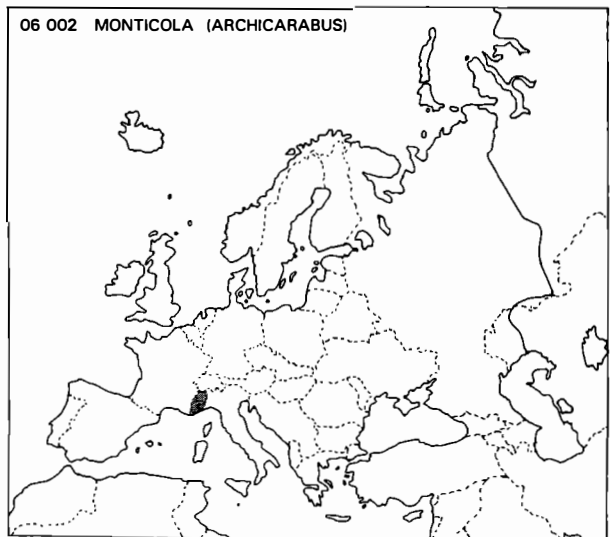
05 004 VAGANS (AUTOCARABUS)



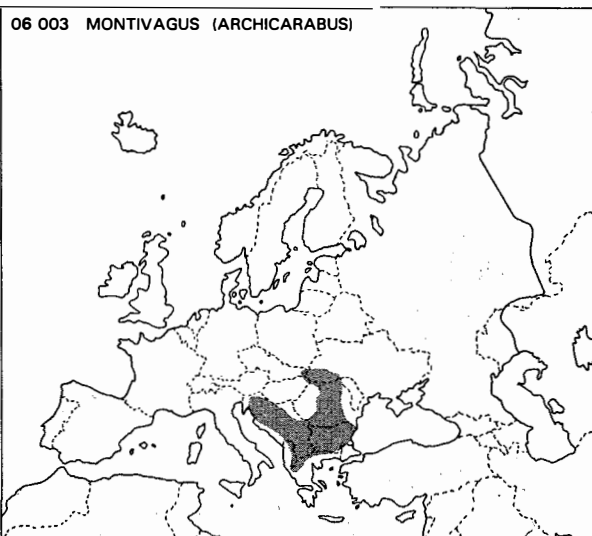
06 001 ALYSSYDOTUS (ARCHICARABUS)



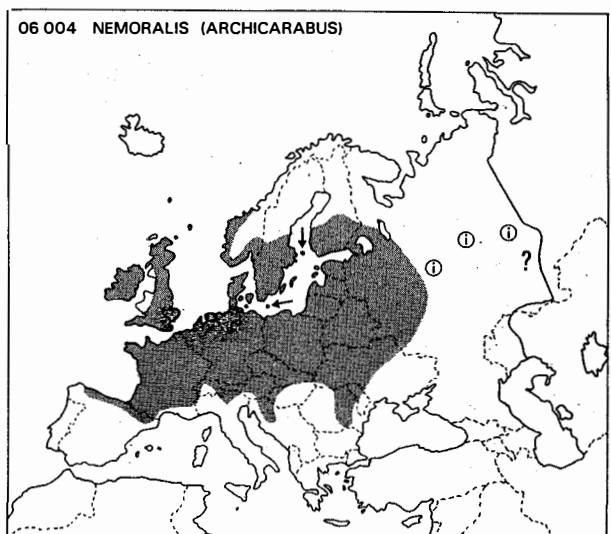
06 002 MONTICOLA (ARCHICARABUS)



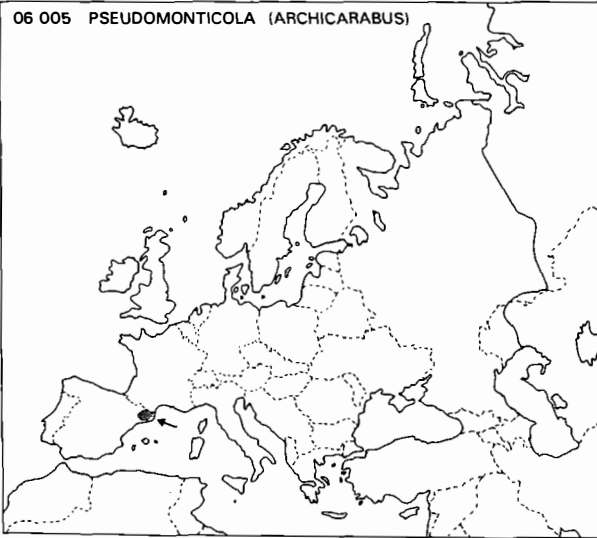
06 003 MONTIVAGUS (ARCHICARABUS)



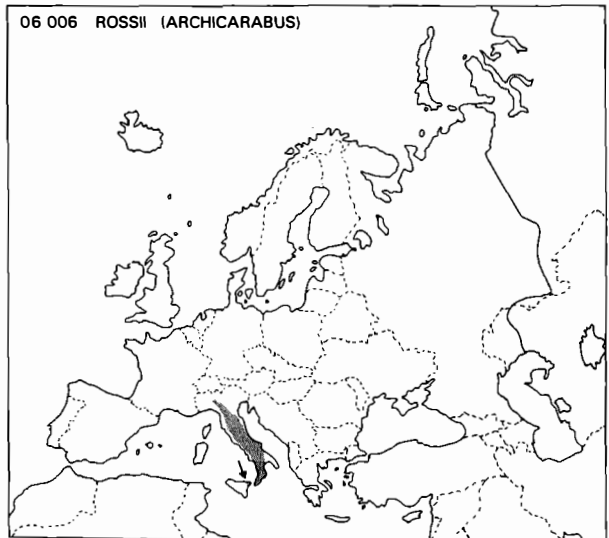
06 004 NEMORALIS (ARCHICARABUS)



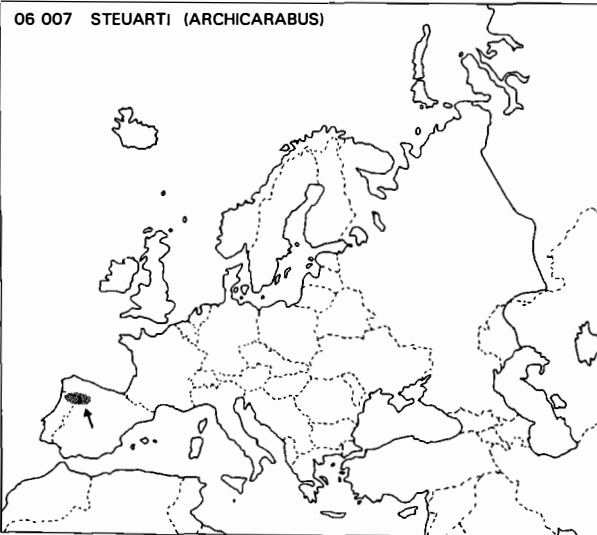
06 005 PSEUDOMONTICOLA (ARCHICARABUS)



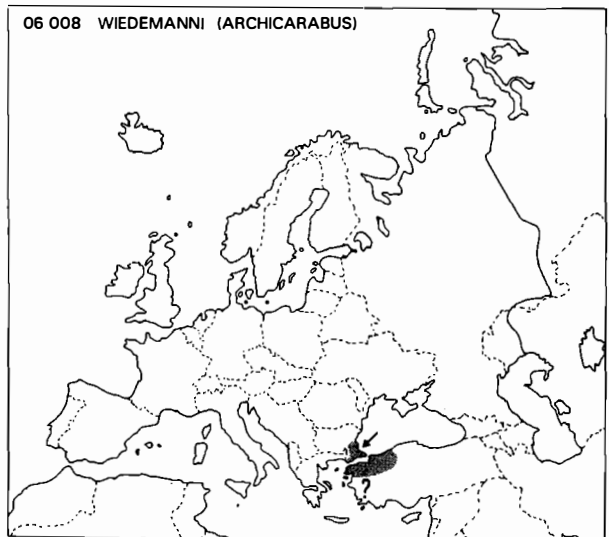
06 006 ROSSII (ARCHICARABUS)



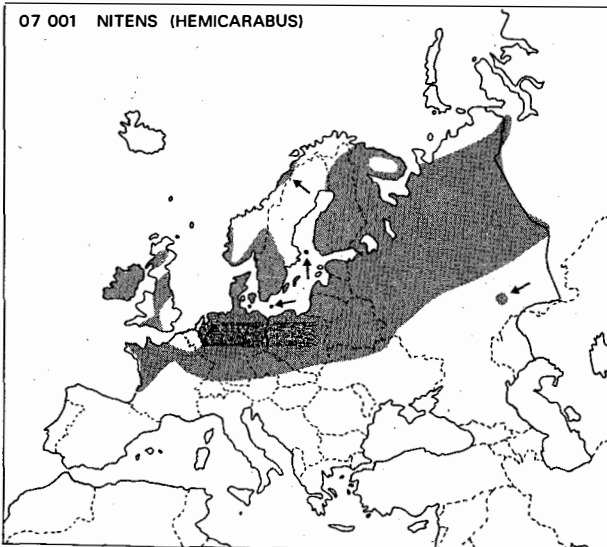
06 007 STEUARTI (ARCHICARABUS)



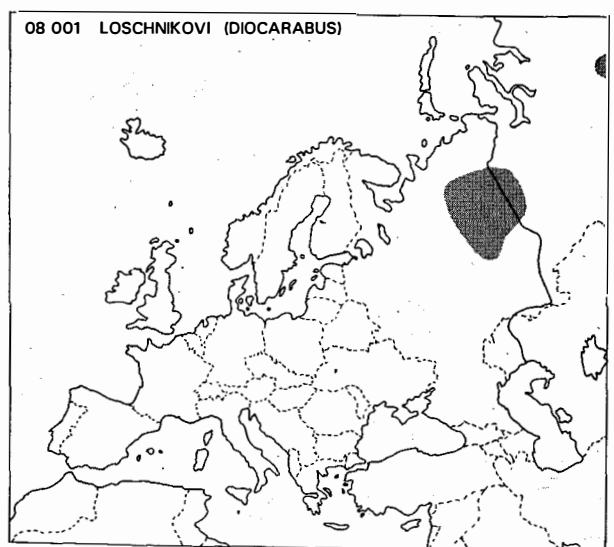
06 008 WIEDEMANNI (ARCHICARABUS)

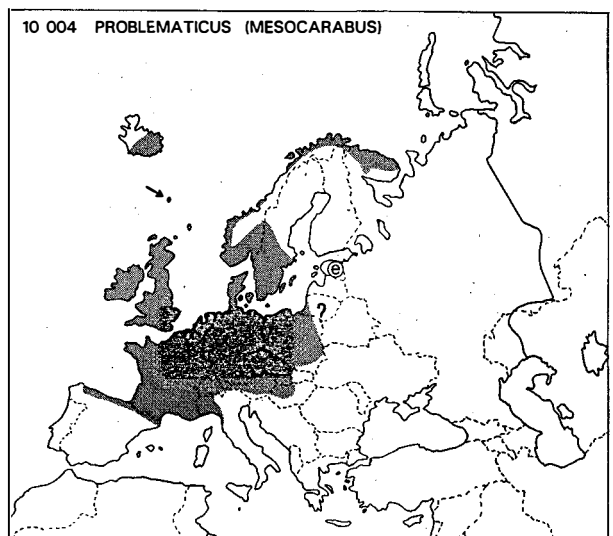
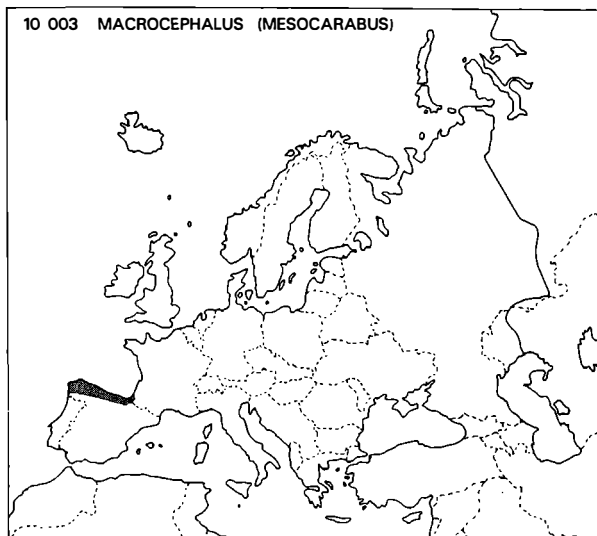
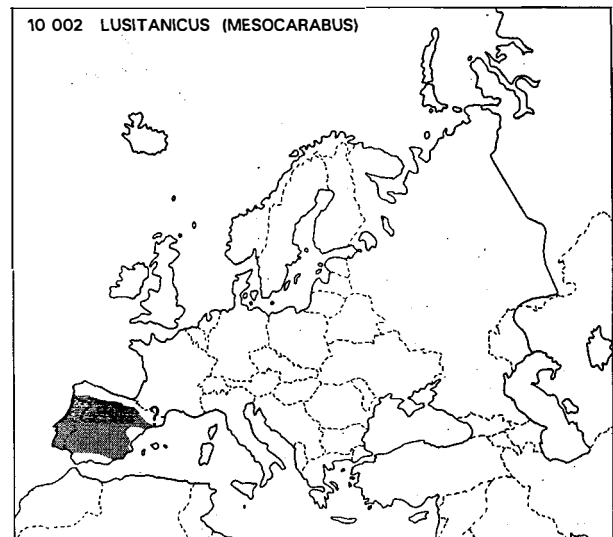
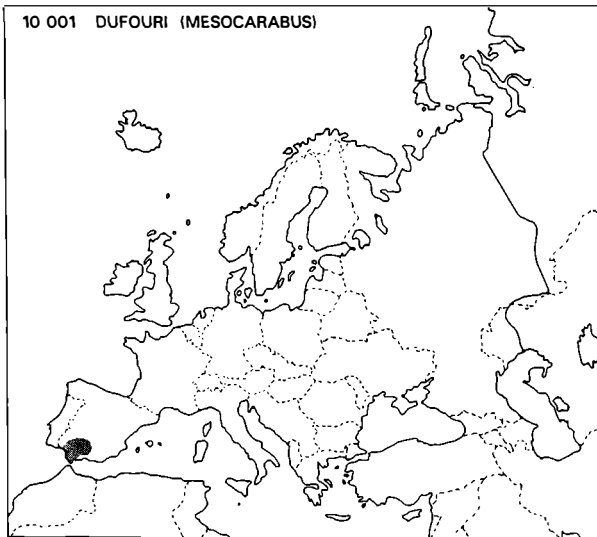
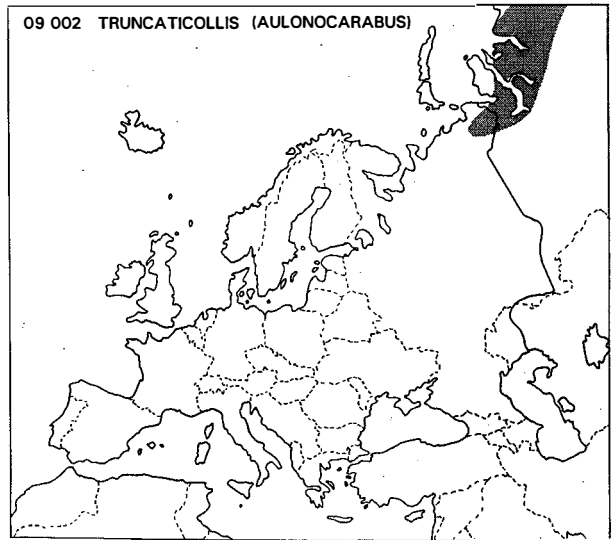
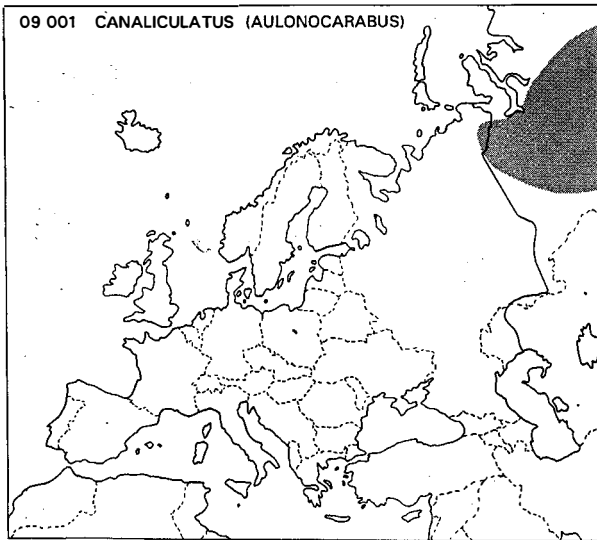


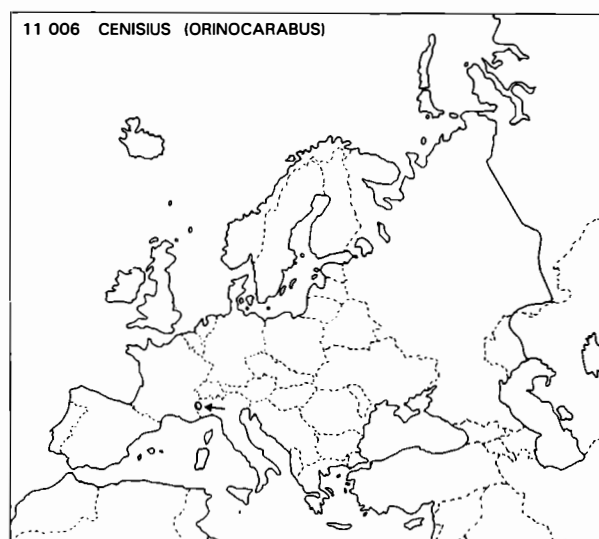
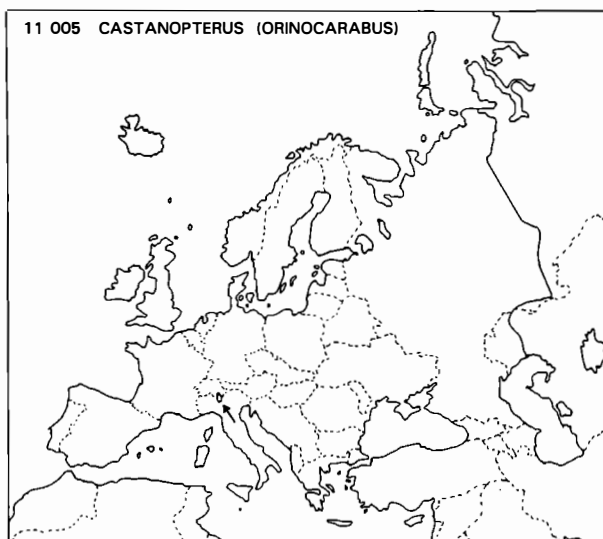
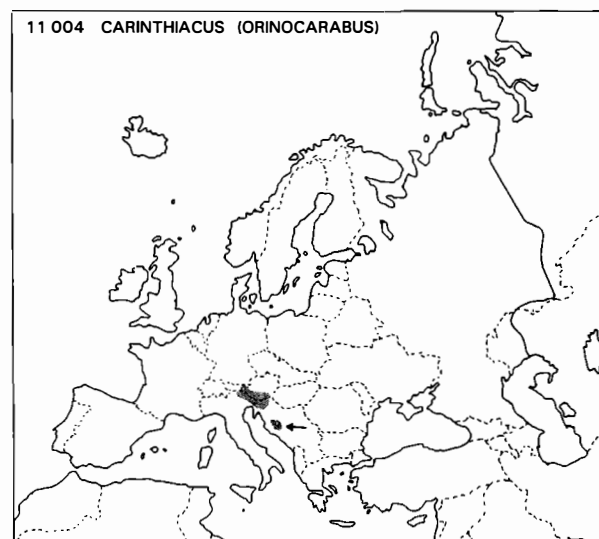
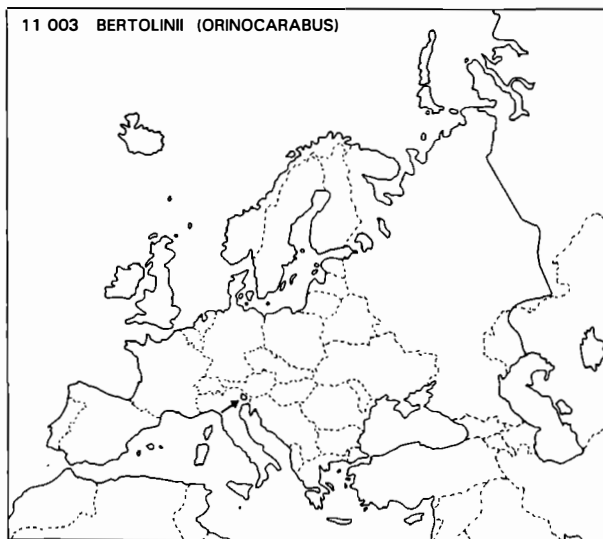
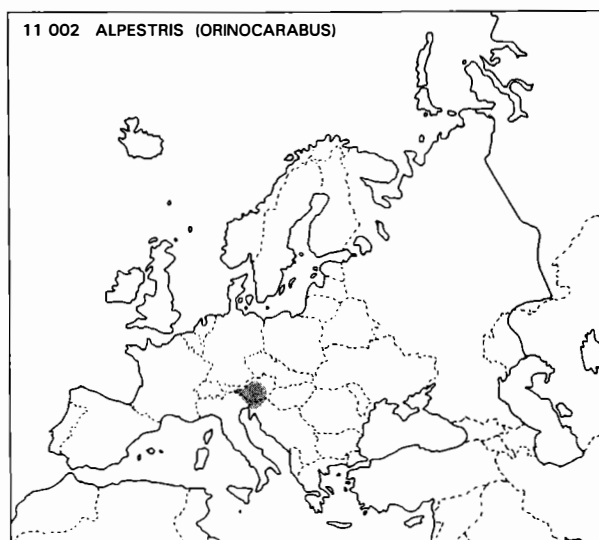
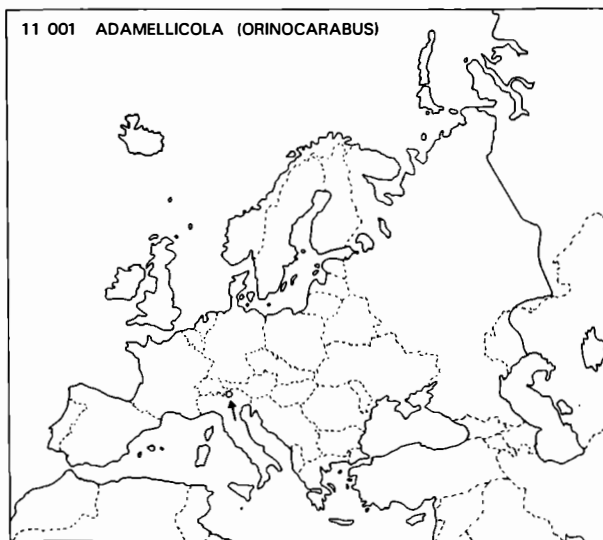
07 001 NITENS (HEMICARABUS)



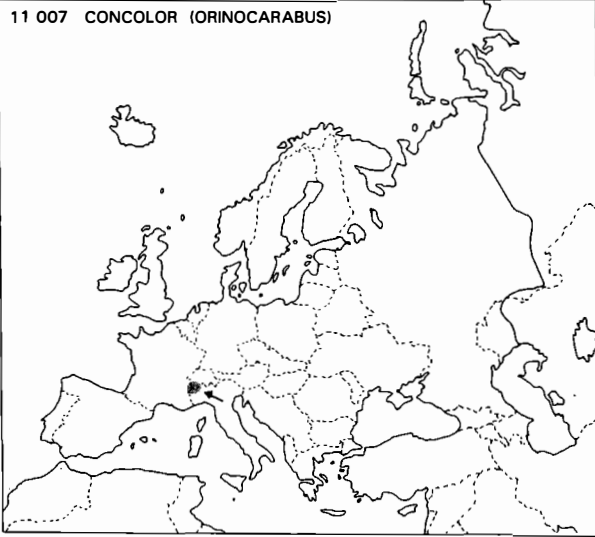
08 001 LOSCHNIKOVII (DIOCARABUS)



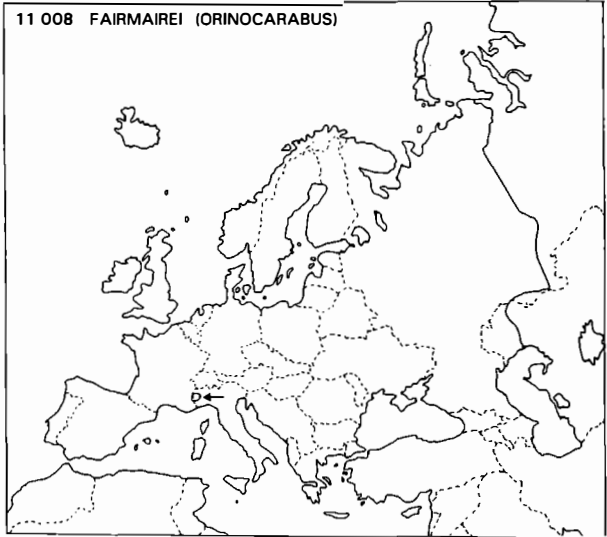




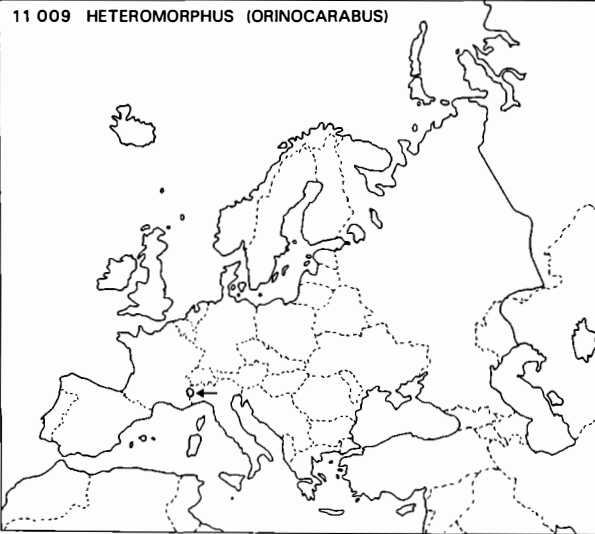
11 007 CONCOLOR (ORINOCARABUS)



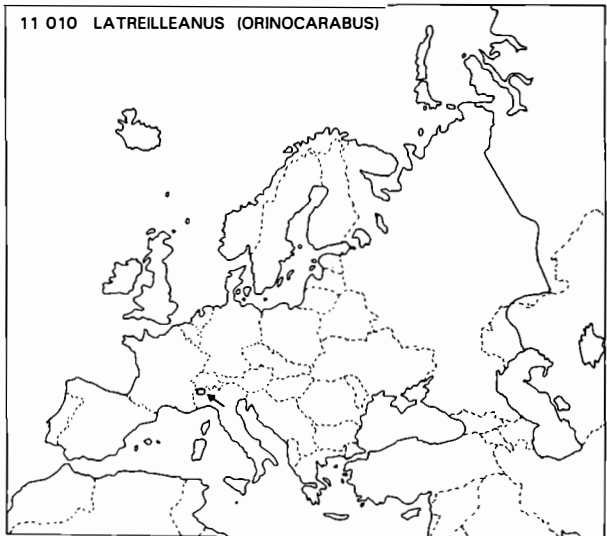
11 008 FAIRMAIREI (ORINOCARABUS)



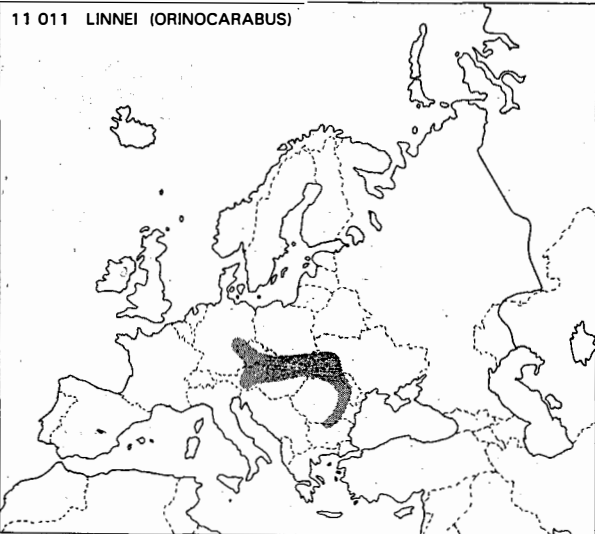
11 009 HETEROMORPHUS (ORINOCARABUS)



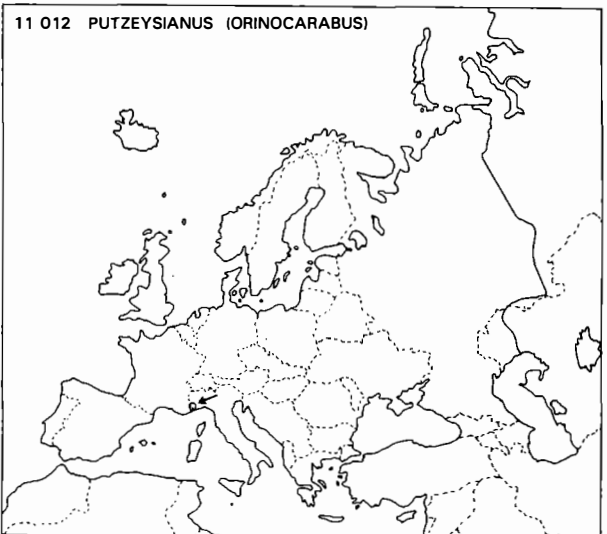
11 010 LATREILLEANUS (ORINOCARABUS)



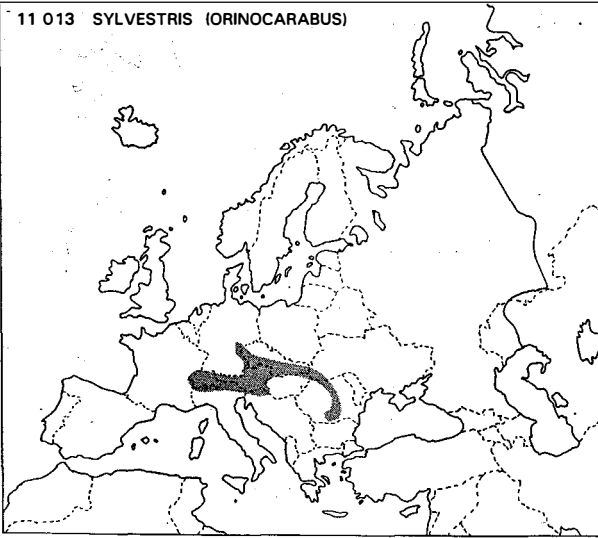
11 011 LINNEI (ORINOCARABUS)



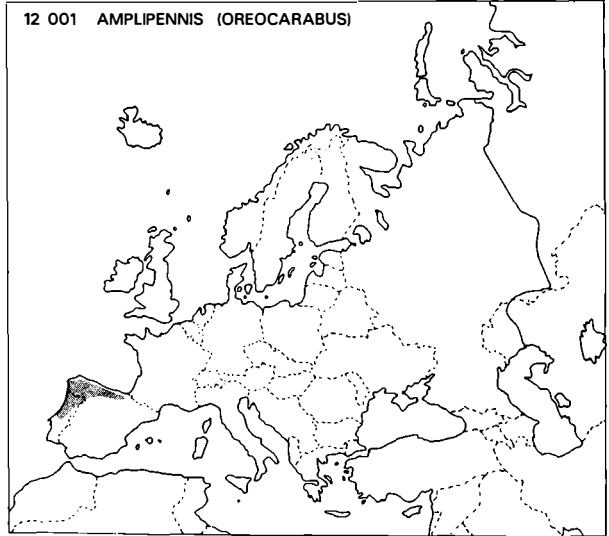
11 012 PUTZEYSIANUS (ORINOCARABUS)



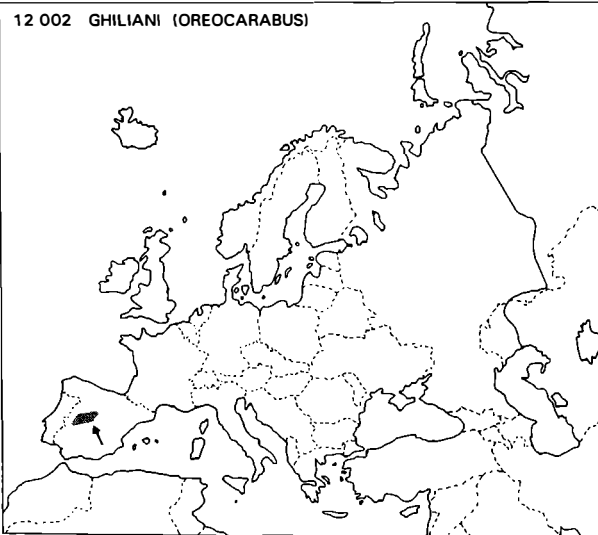
11 013 SYLVESTRIS (ORINOCARABUS)



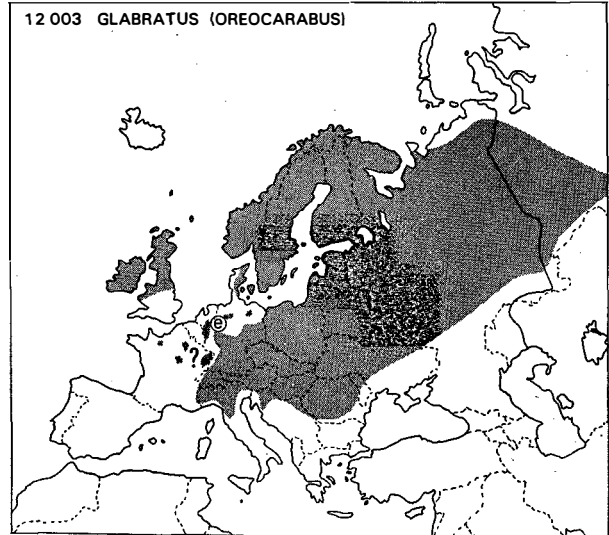
12 001 AMPLIPENNIS (OREOCARABUS)



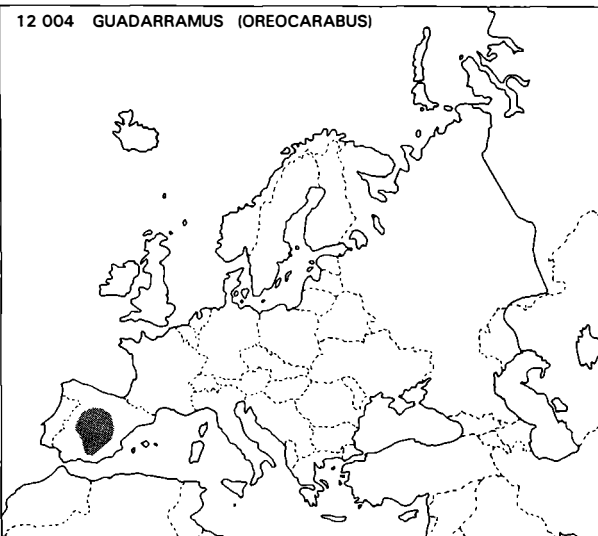
12 002 GHILIANI (OREOCARABUS)



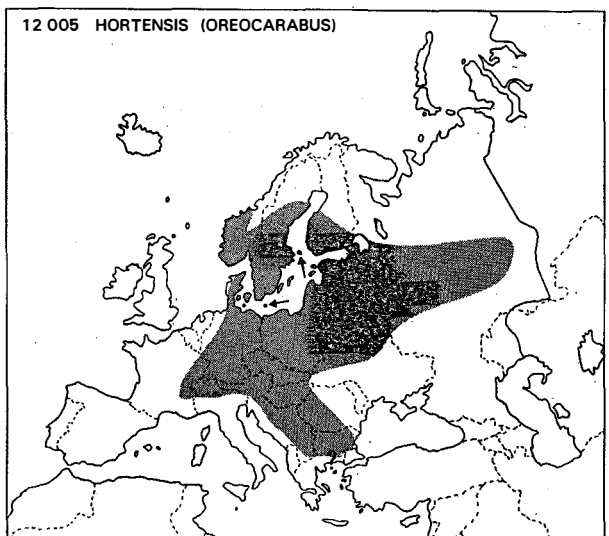
12 003 GLABRATUS (OREOCARABUS)



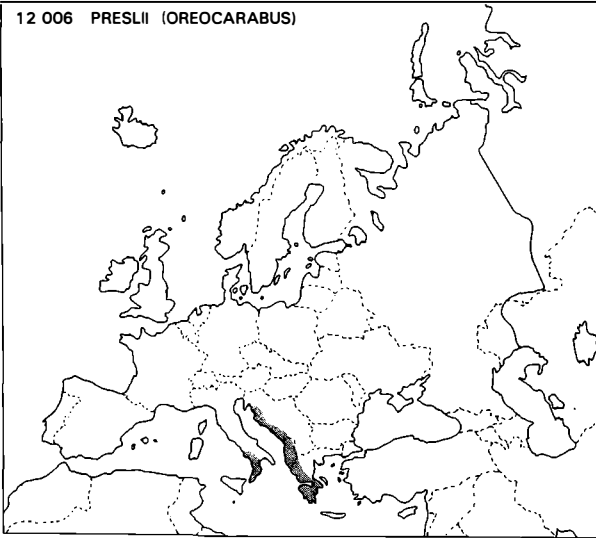
12 004 GUADARRAMUS (OREOCARABUS)



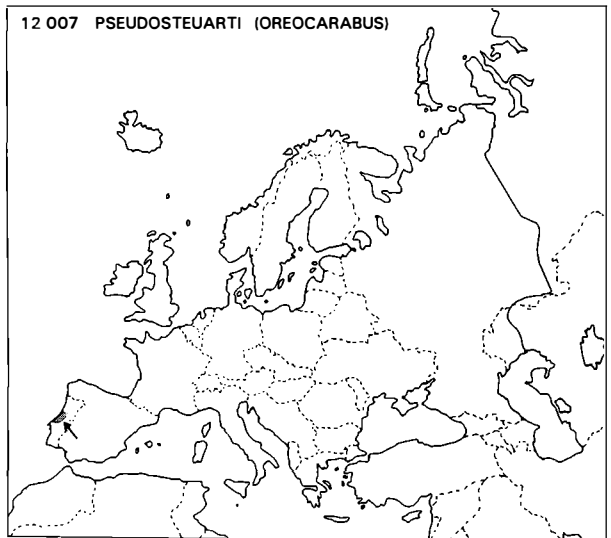
12 005 HORTENSIS (OREOCARABUS)



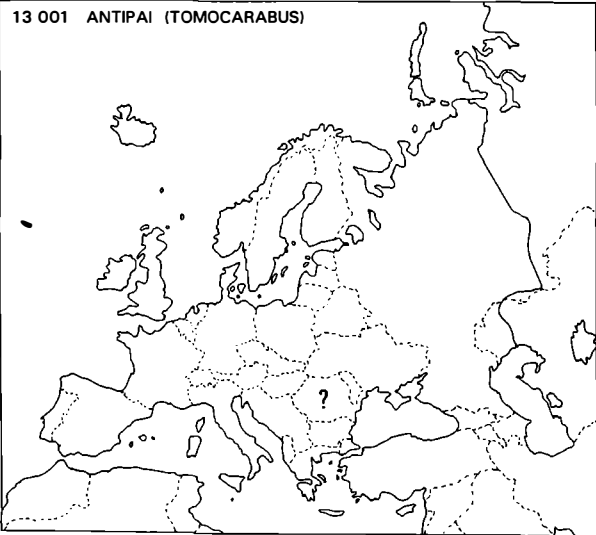
12 006 PRESLI (OREOCARABUS)



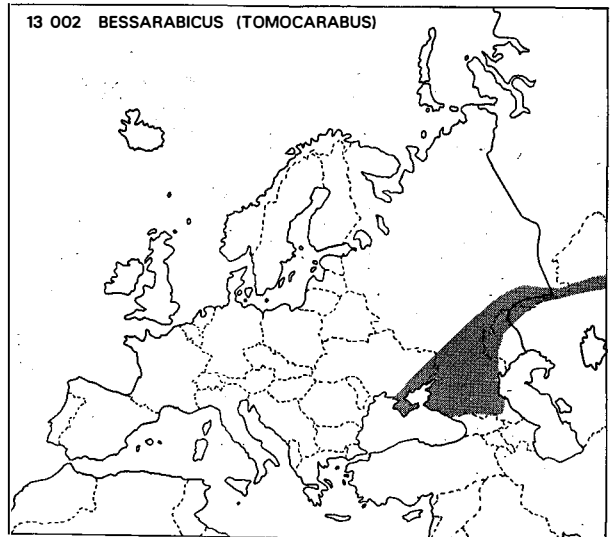
12 007 PSEUDOSTEUARTI (OREOCARABUS)



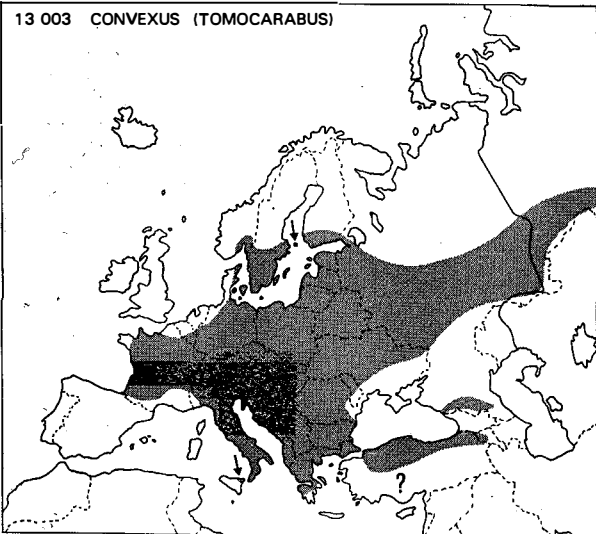
13 001 ANTIPAI (TOMOCARABUS)



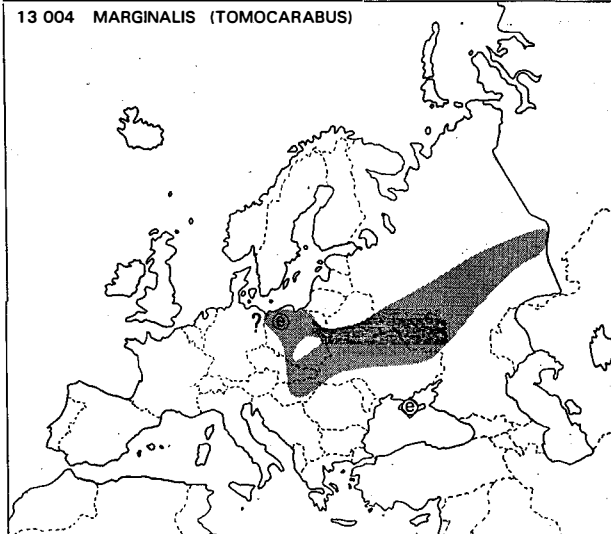
13 002 BESSARABICUS (TOMOCARABUS)



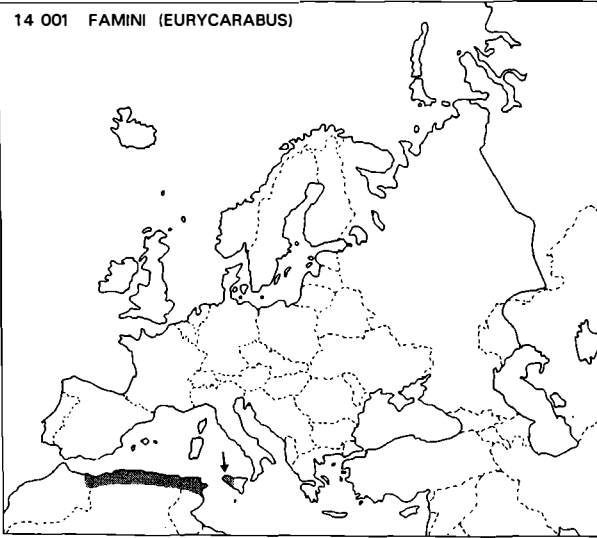
13 003 CONVEXUS (TOMOCARABUS)



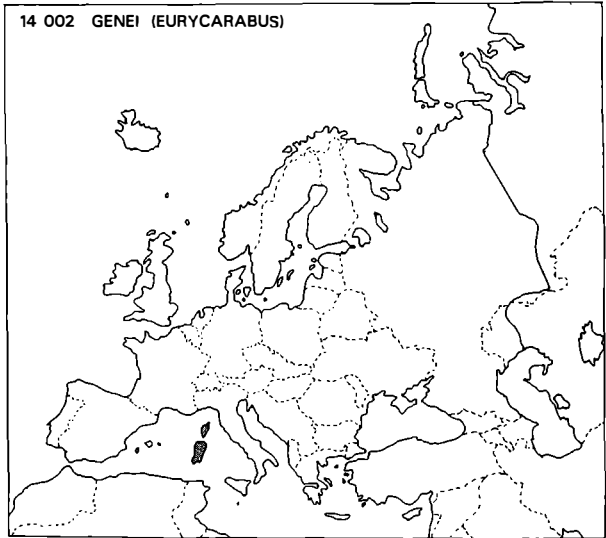
13 004 MARGINALIS (TOMOCARABUS)



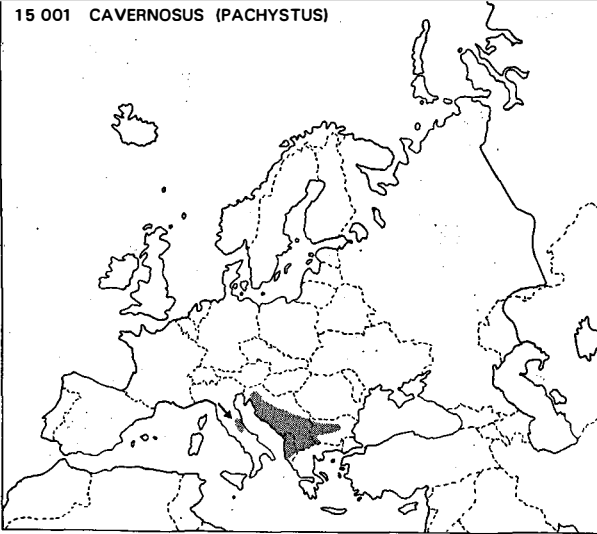
14 001 FAMINI (EURYCARABUS)



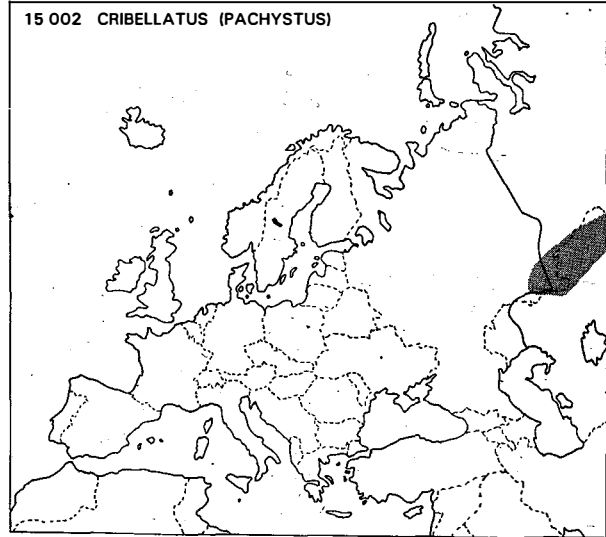
14 002 GENEI (EURYCARABUS)



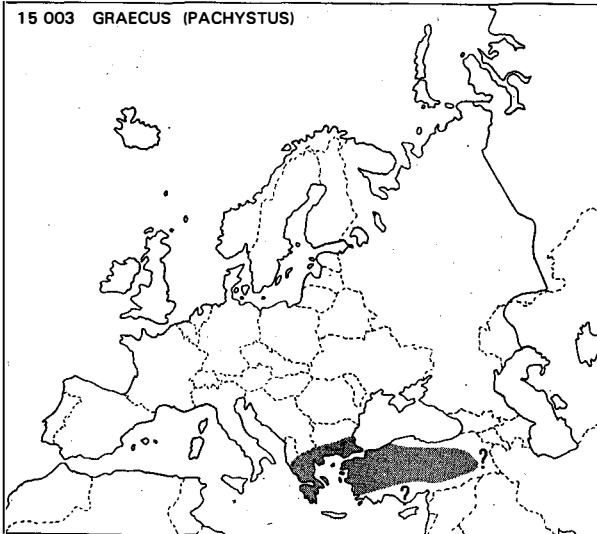
15 001 CAVERNOSUS (PACHYSTUS)



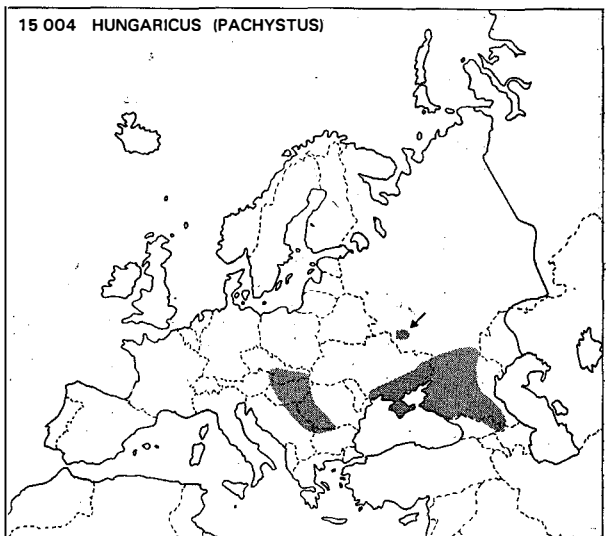
15 002 CRIBELLATUS (PACHYSTUS)

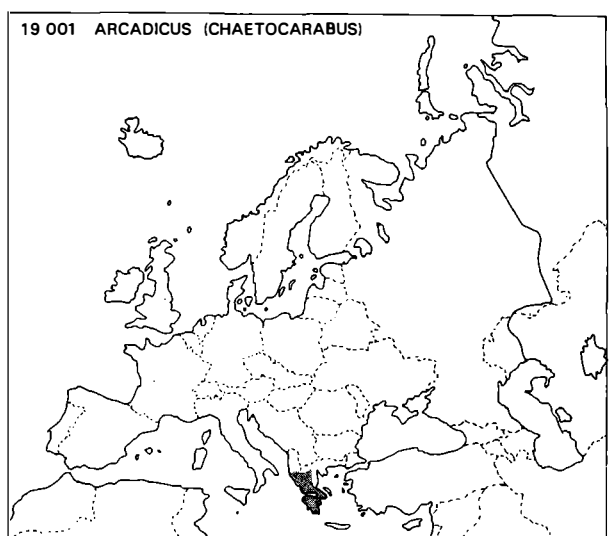
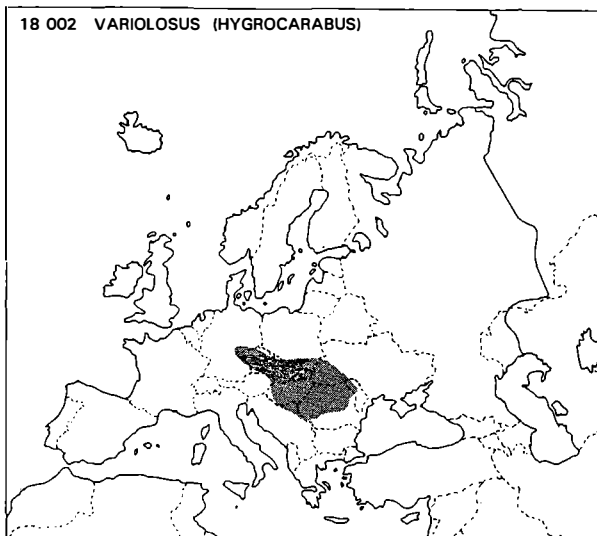
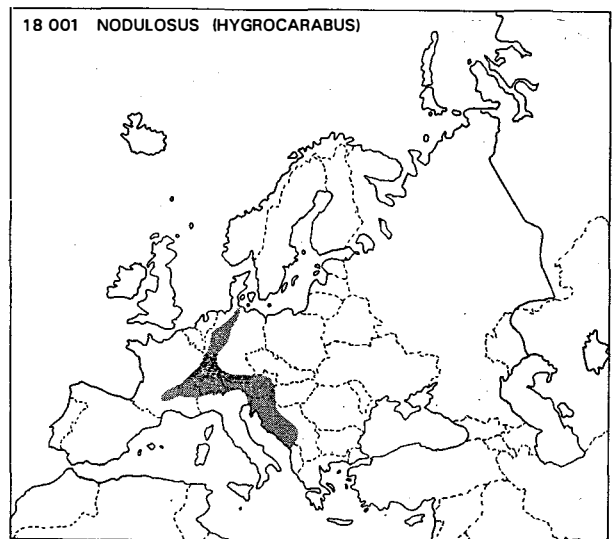
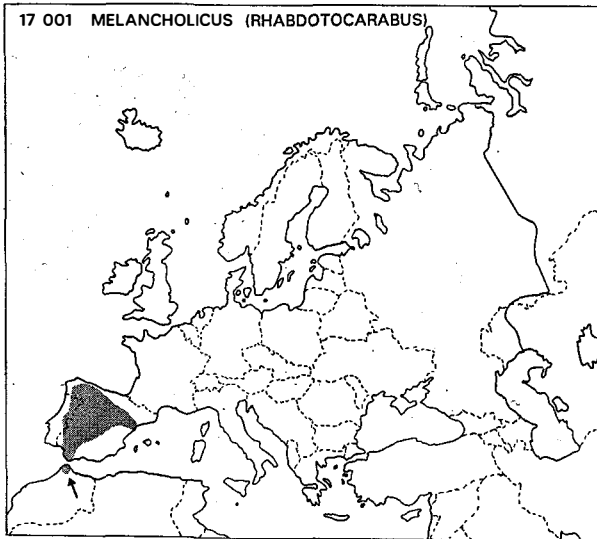
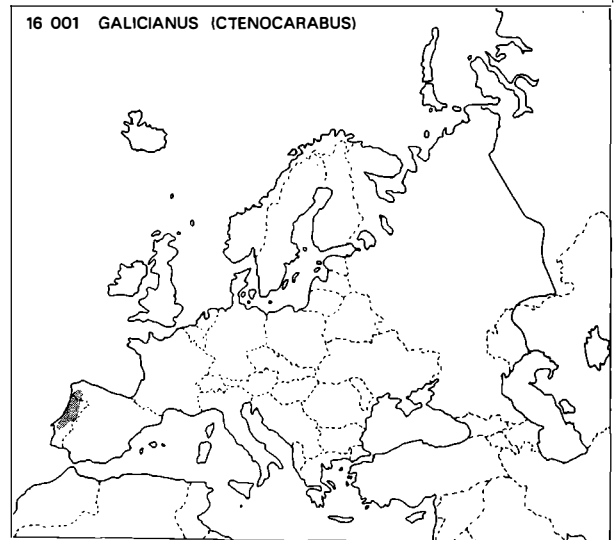
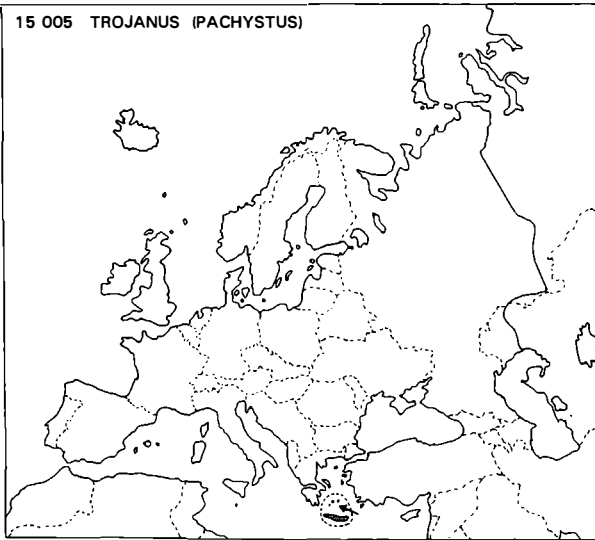


15 003 GRAECUS (PACHYSTUS)

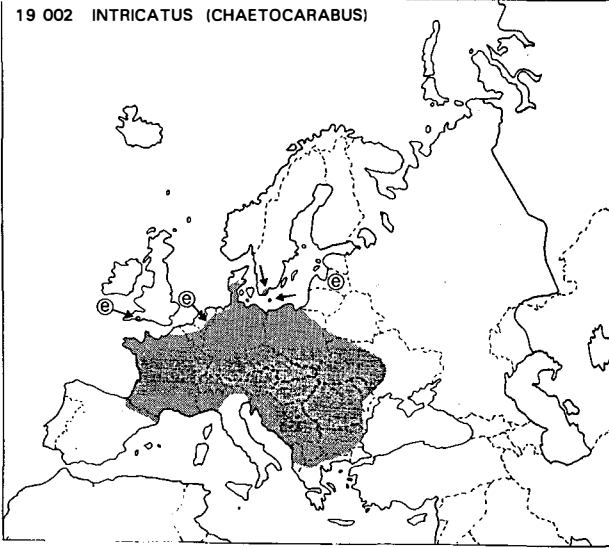


15 004 HUNGARICUS (PACHYSTUS)

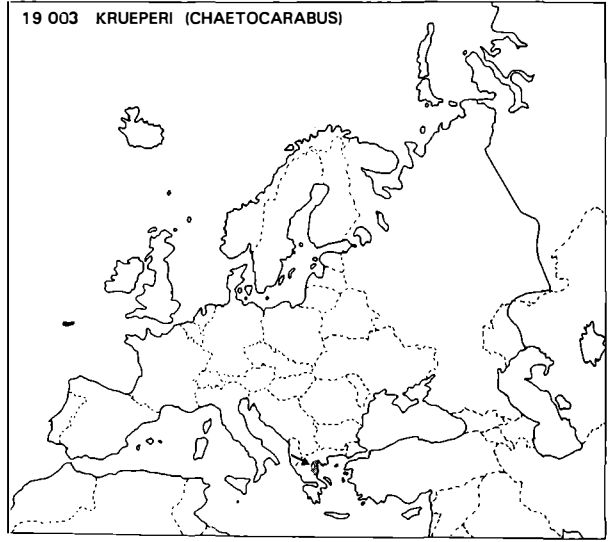




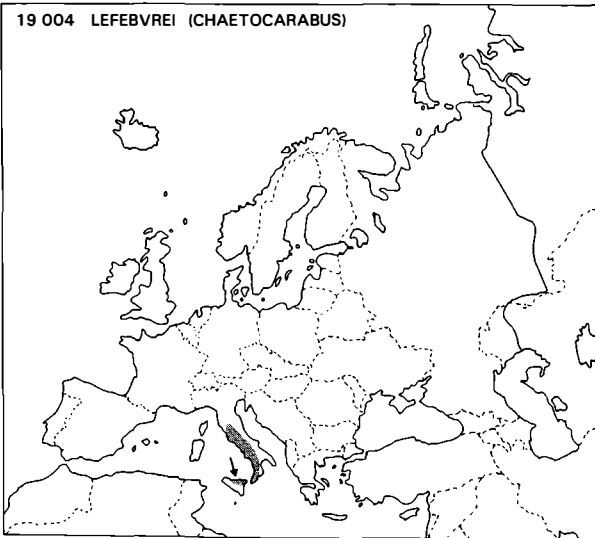
19 002 INTRICATUS (CHAETOCARABUS)



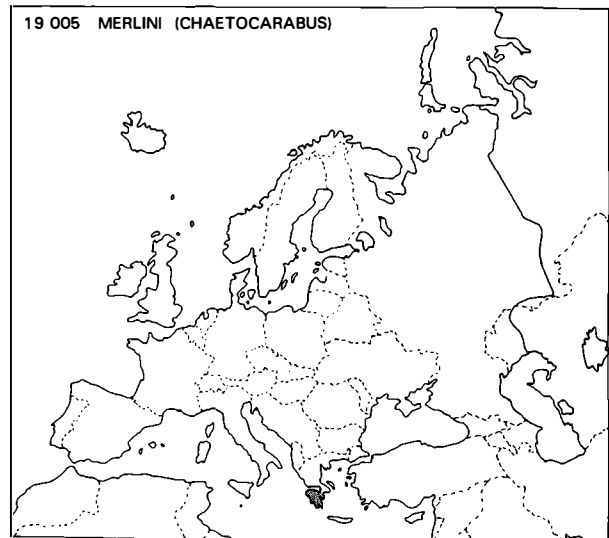
19 003 KRUEPERI (CHAETOCARABUS)



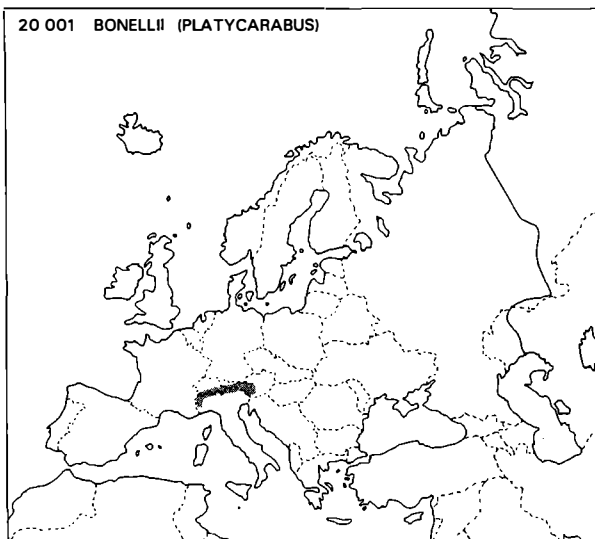
19 004 LEFEBVREI (CHAETOCARABUS)



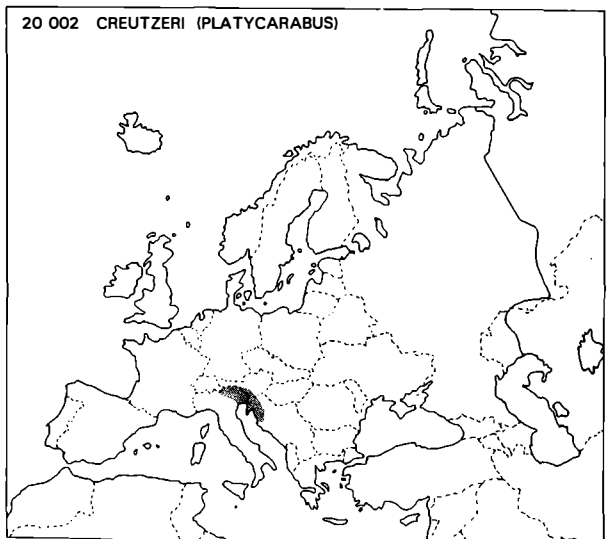
19 005 MERLINI (CHAETOCARABUS)



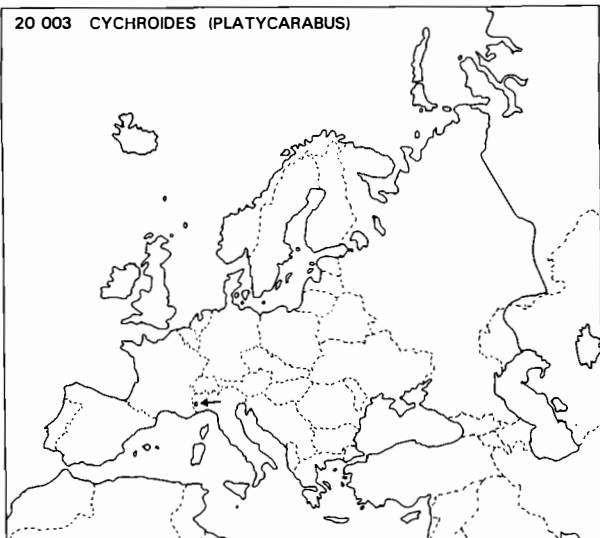
20 001 BONELLII (PLATYCARABUS)



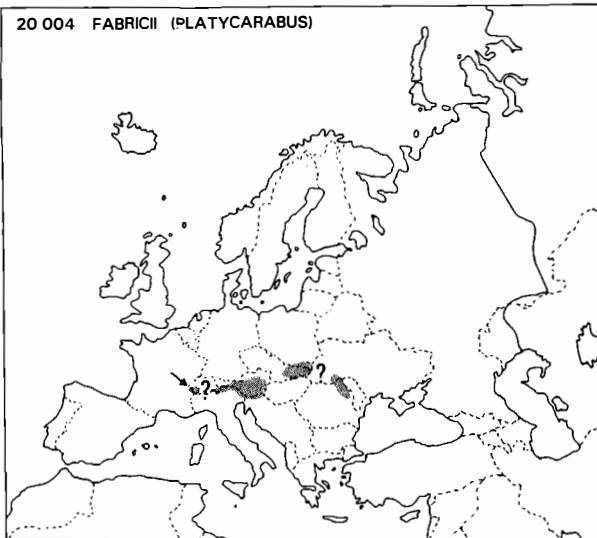
20 002 CREUTZERI (PLATYCARABUS)



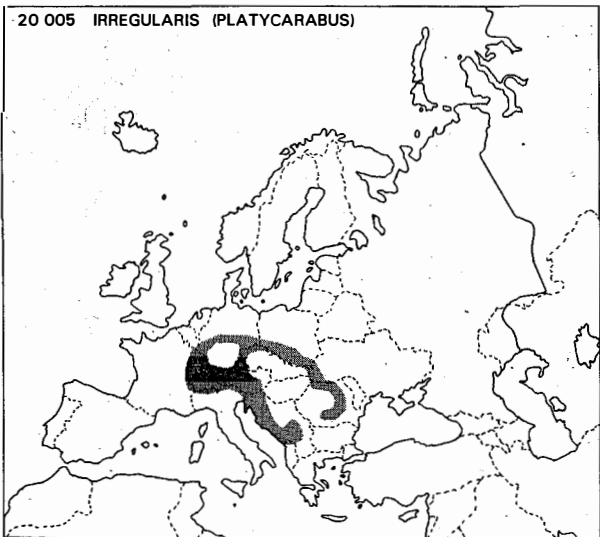
20 003 CYCHROIDES (PLATYCARABUS)



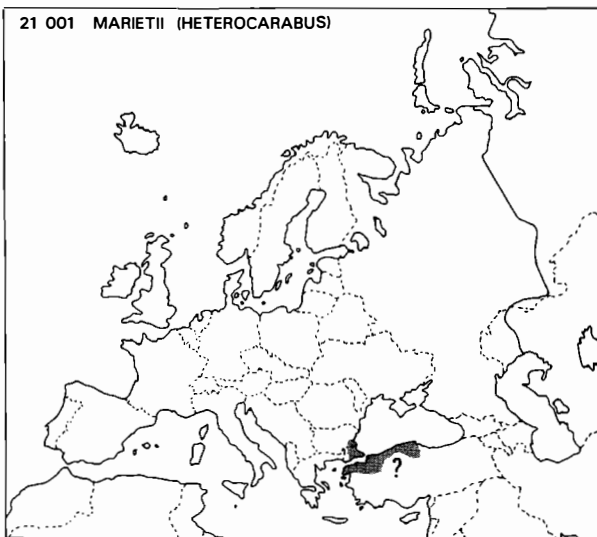
20 004 FABRICII (PLATYCARABUS)



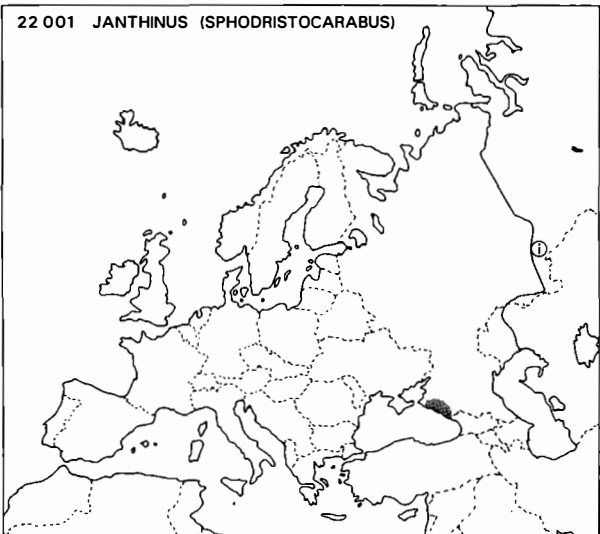
20 005 IRREGULARIS (PLATYCARABUS)



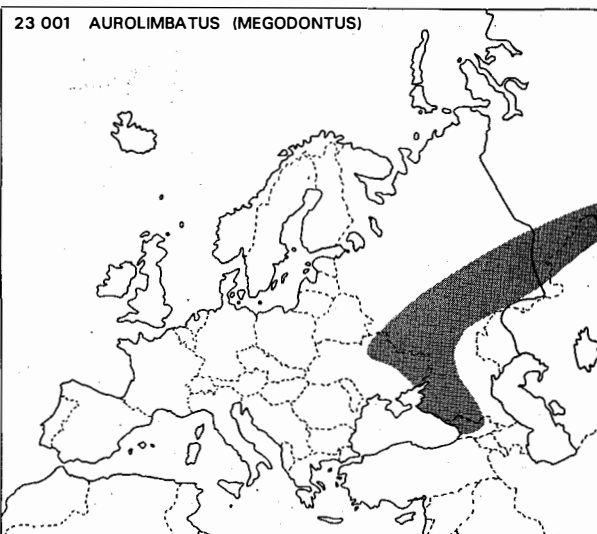
21 001 MARIETII (HETEROCARABUS)



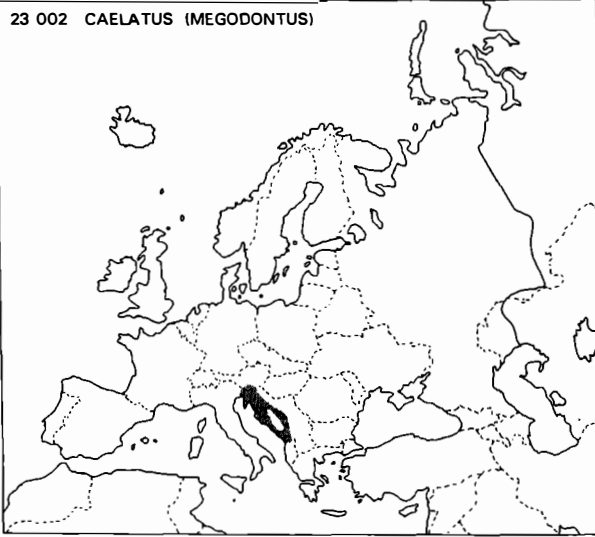
22 001 JANTHINUS (SPHODRISTOCARABUS)



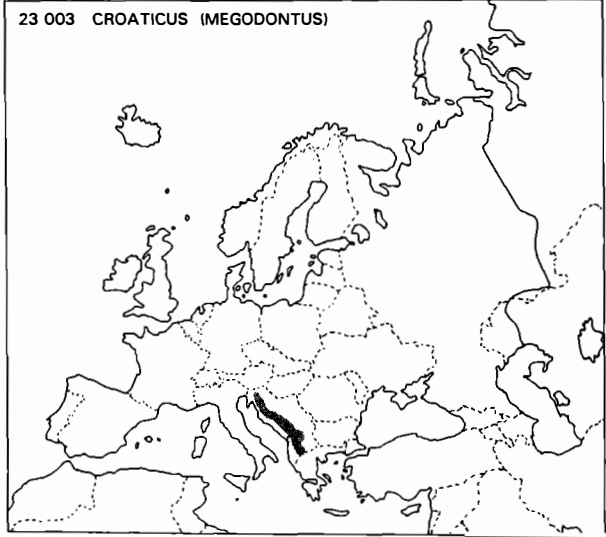
23 001 AUROLIMBATUS (MEGODONTUS)



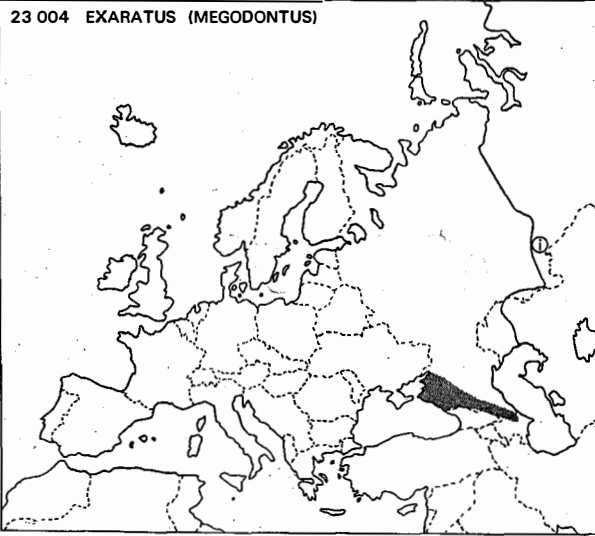
23 002 CAELATUS (MEGODONTUS)



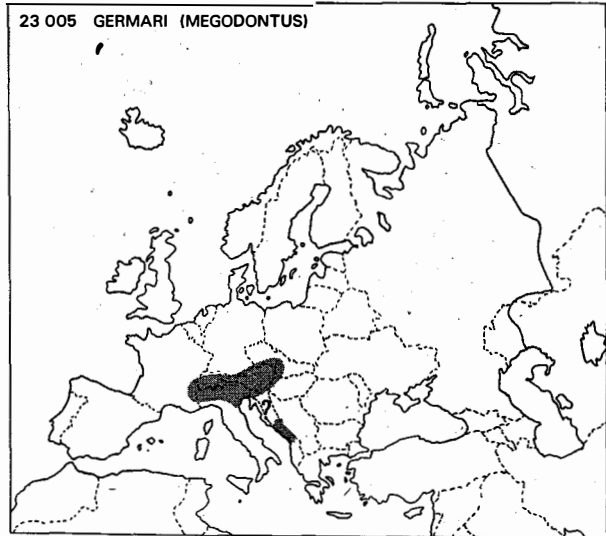
23 003 CROATICUS (MEGODONTUS)



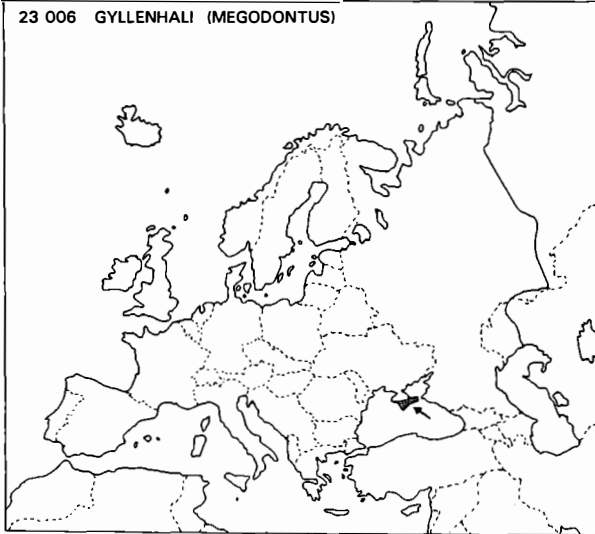
23 004 EXARATUS (MEGODONTUS)



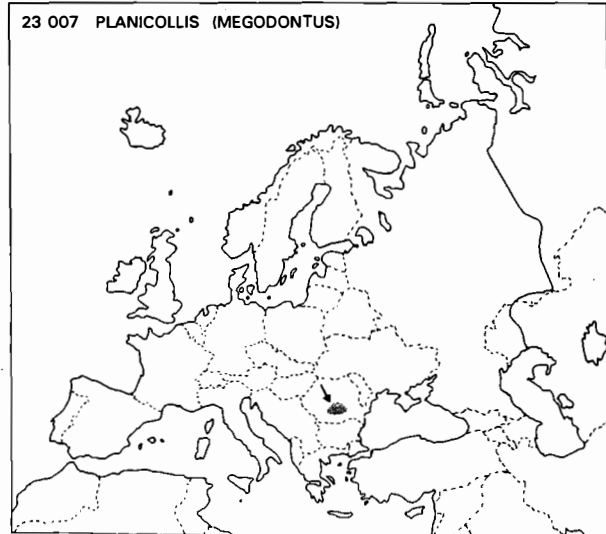
23 005 GERMARI (MEGODONTUS)

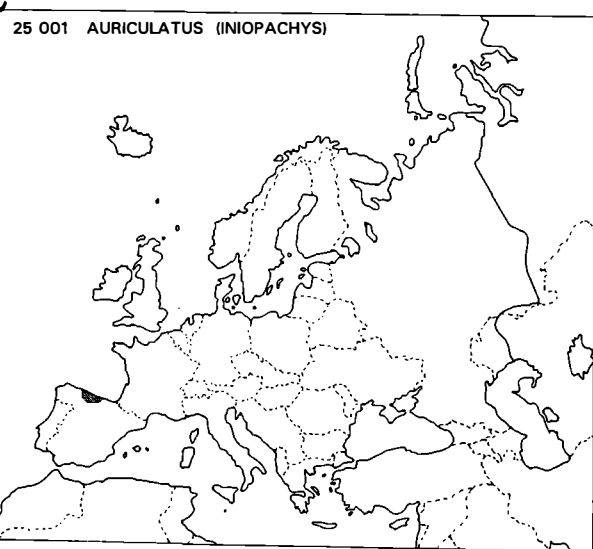
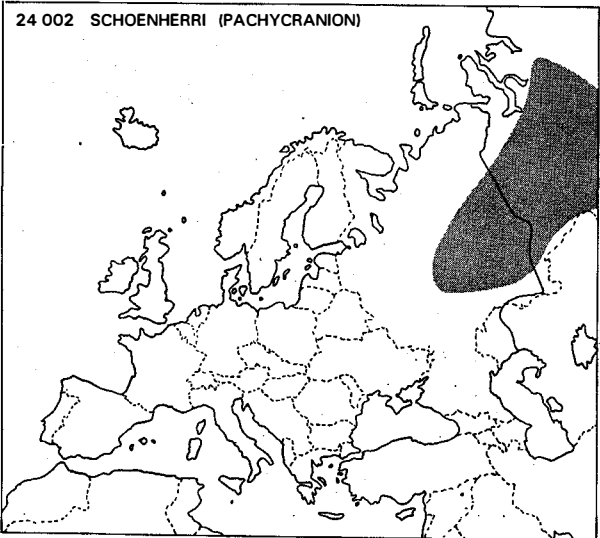
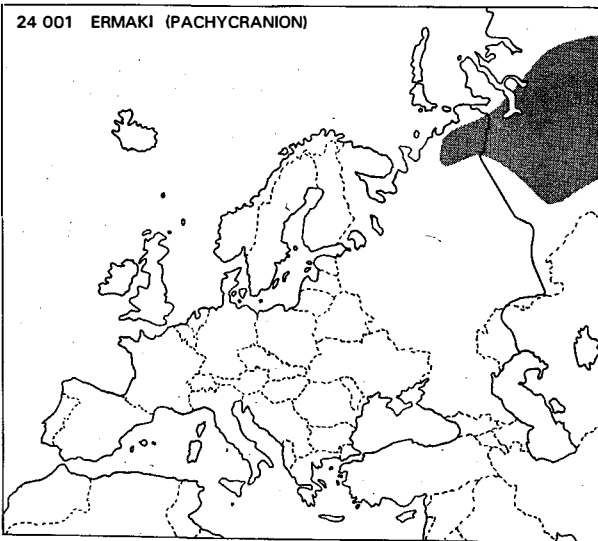
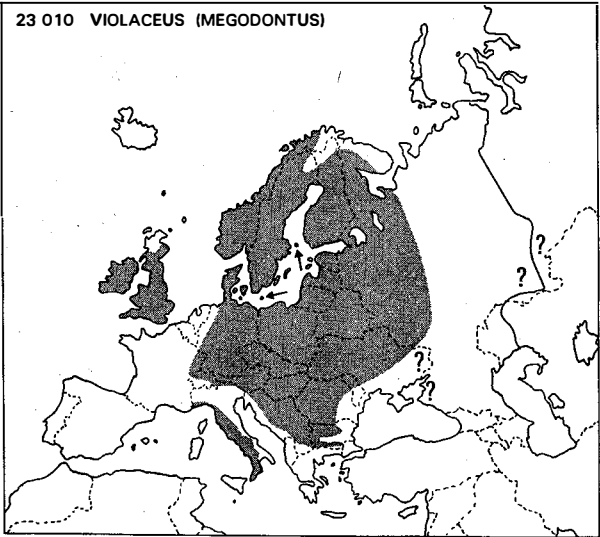
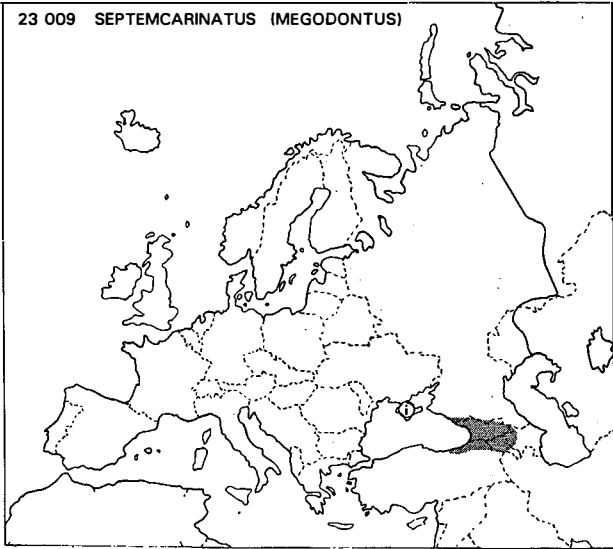
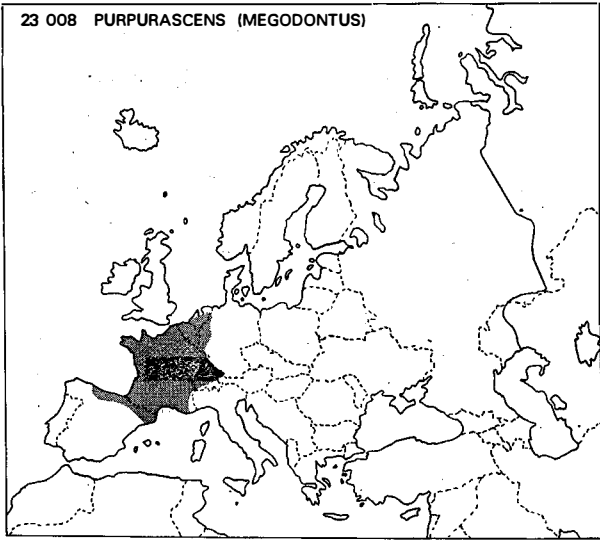


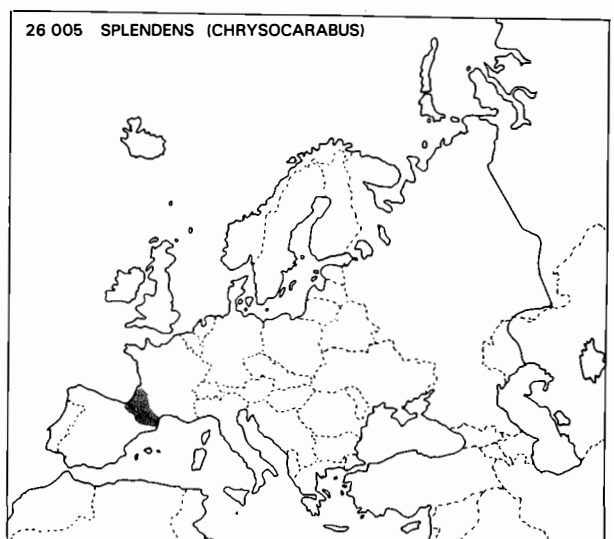
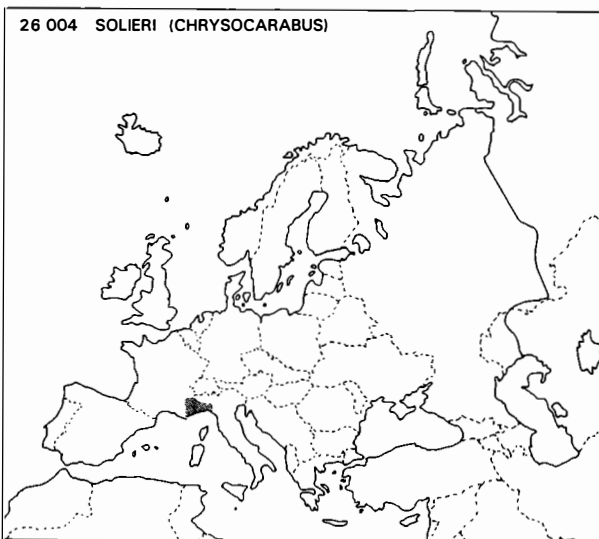
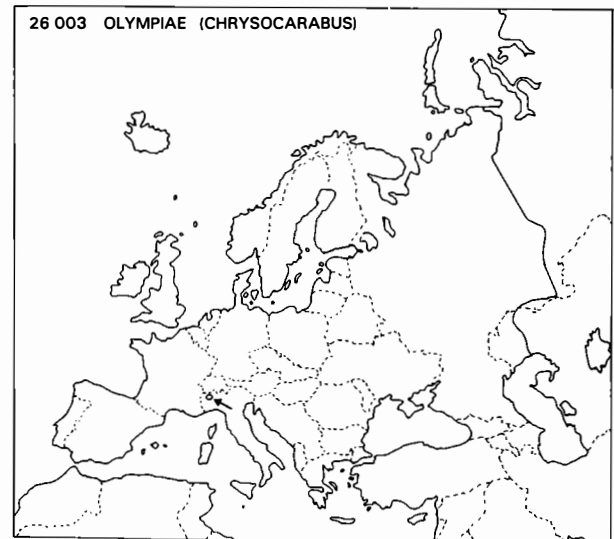
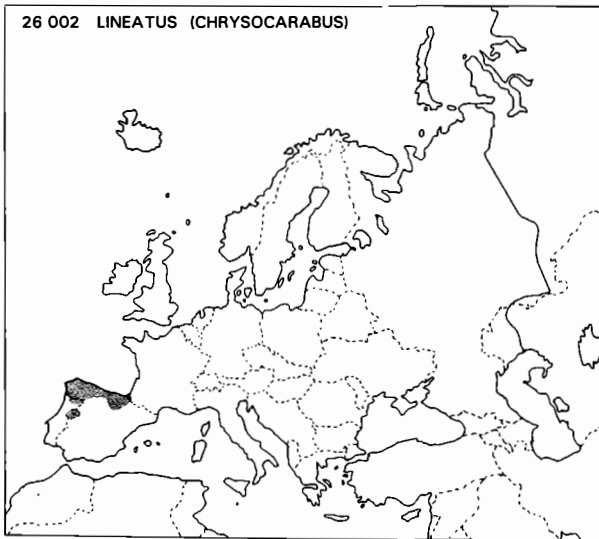
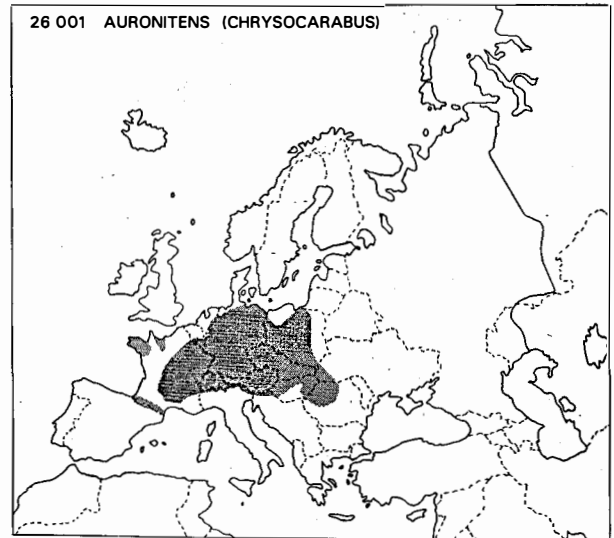
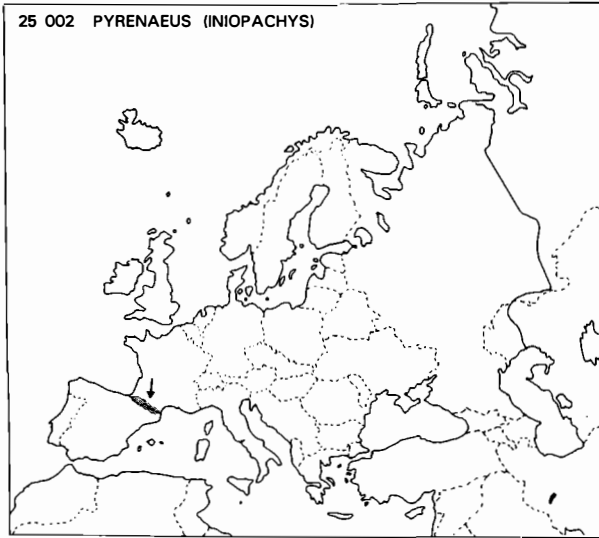
23 006 GYLLENHALI (MEGODONTUS)



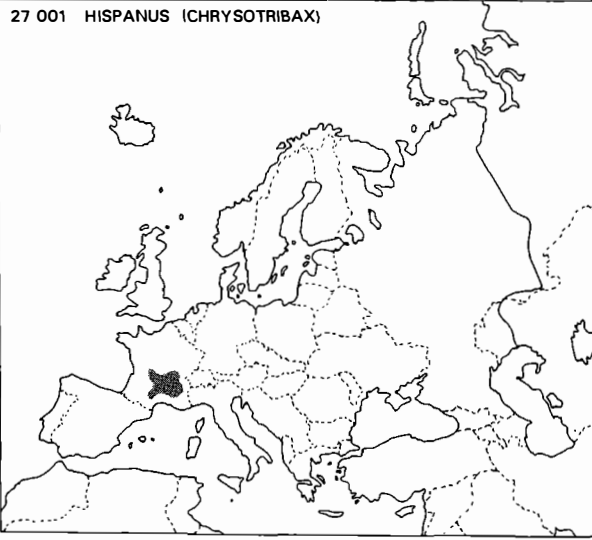
23 007 PLANICOLLIS (MEGODONTUS)



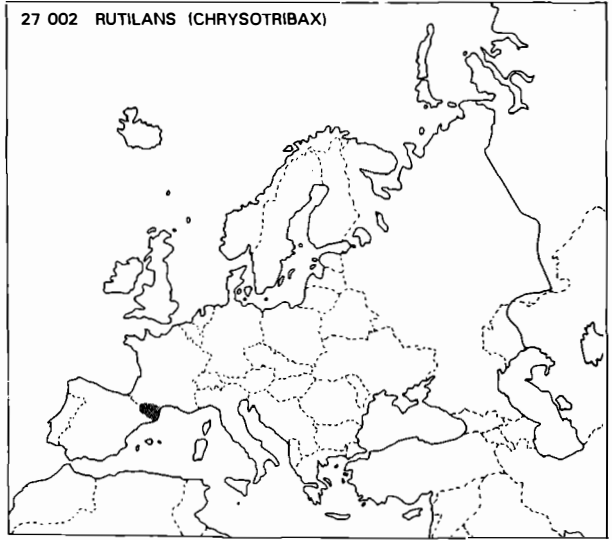




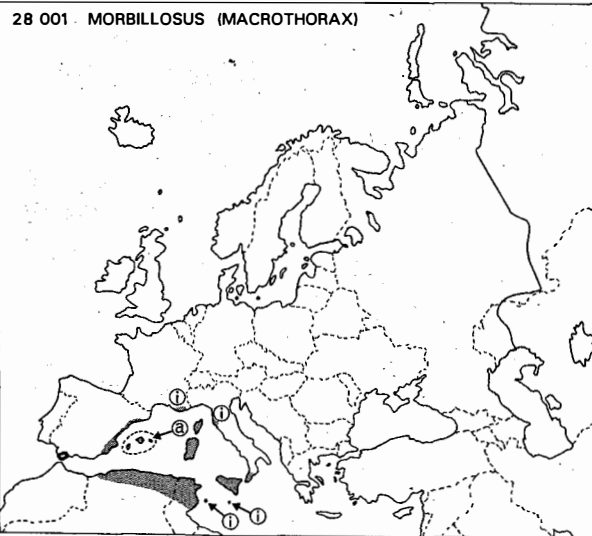
27 001 HISPANUS (CHRYSOTRIBAX)



27 002 RUTILANS (CHRYSOTRIBAX)



28 001 MORBILLOSUS (MACROTHORAX)



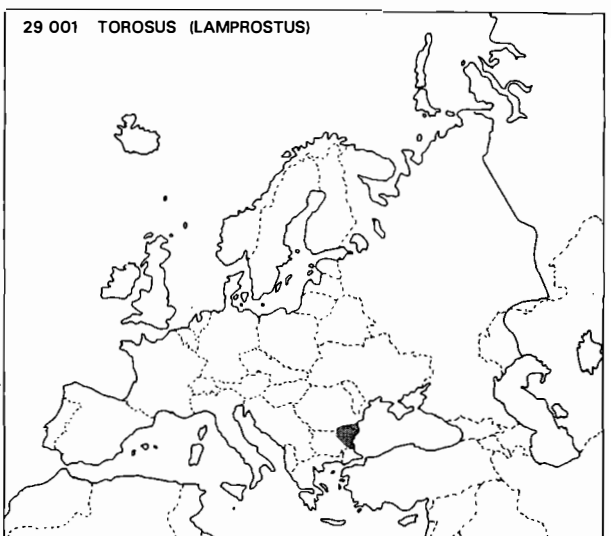
28 002 PLANATUS (MACROTHORAX)

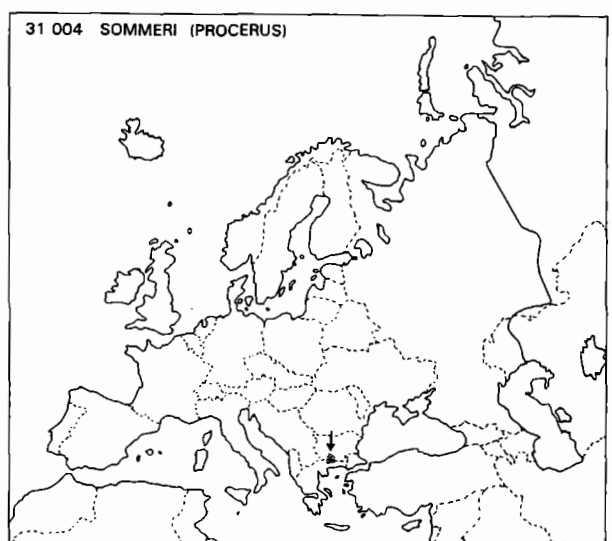
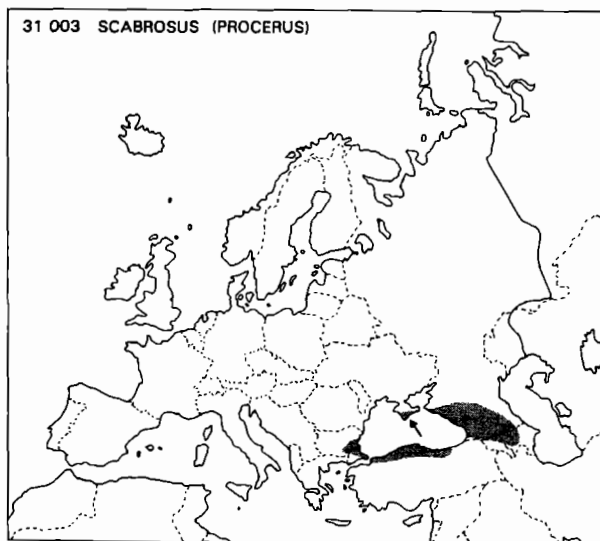
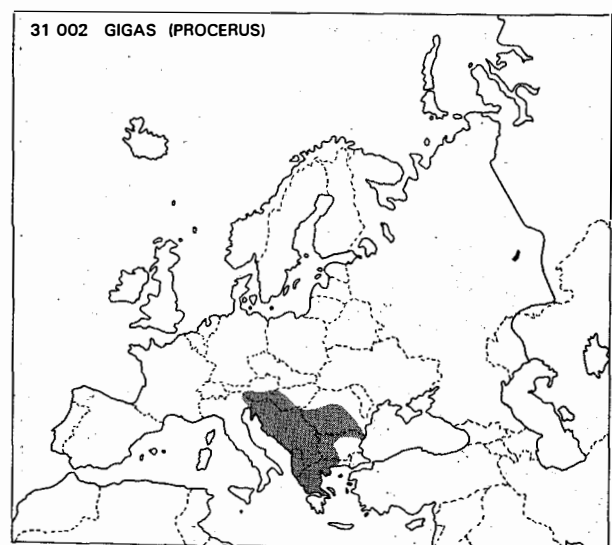
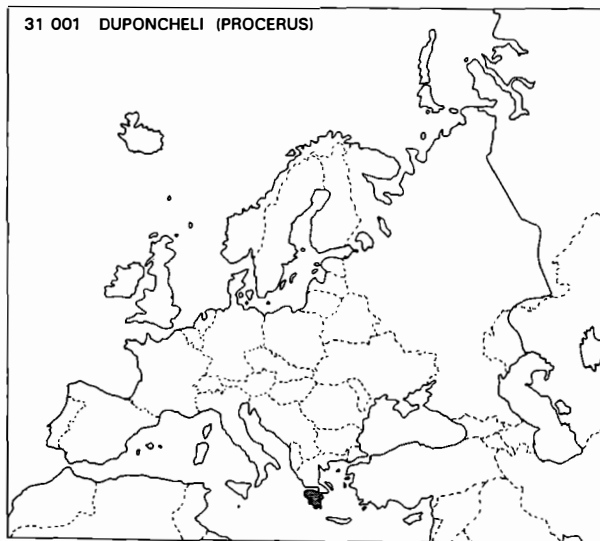
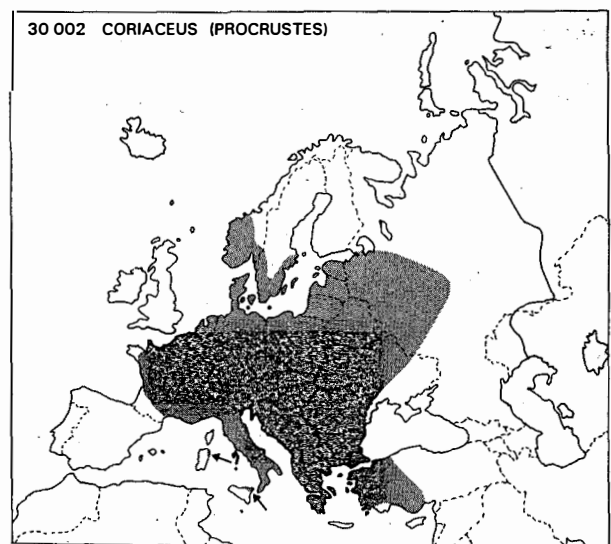
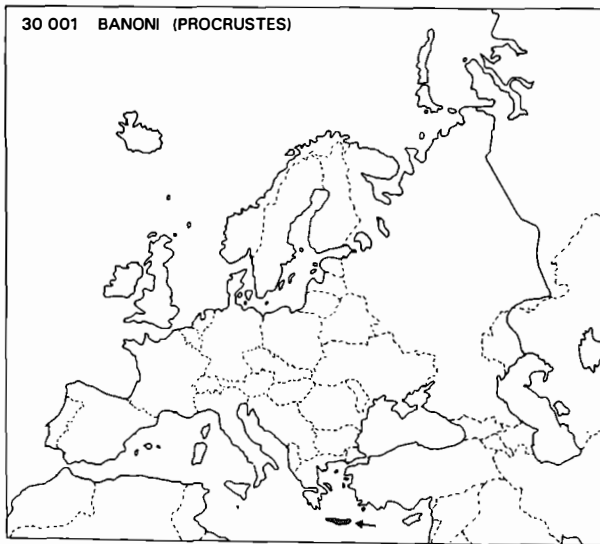


28 003 RUGOSUS (MACROTHORAX)



29 001 TOROSUS (LAMPROSTUS)





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Reference is given to the subgenus-, species- and subspecies number, or to the page number:

(**) = main reference
(GE) = **genus (bold)**
(HY) = hybrid (page number)
(NS) = nominate subspecies
(SG) = **subgenus (bold)**
(SS) = subspecies
(SY) = synonym, species-group level
(SY) = **synonym, subgenus level (bold)**

Index

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(SG) = **subgenus** (bold)
(SS) = subspecies
(SY) = synonym, species-group level
(SY) = **synonym**, subgenus level (bold)

ACCURATUS	CHAUDOIR	(SY)	MORPHOC.	02	006	01	ARVENSIS	HERBST	(**) EUCARAB.	04	001	00
ADAMELLICOLA	S.STR.	(NS)	ORINOCAR.	11	001	01	ASTURICUS	BORN	(SS) MESOCAR.	10	003	02
ADAMELLICOLA	GANGLB	(**) ORINOCAR.	11	001	00	ASTURIENSIS	BORN	(SS) MEGODONT.	23	008	01	
ADONIS	HAMPE	(SS) CHAETOC.	19	001	01	AUBRYI	COLAS	(SS) CHRYSOC.	26	001	01	
AEQUATUS	LAPOUGE	(SS) CHRYSOTR.	27	002	01	AULACOCARABUS	GEHIN	(SY)	23	---	---	
AERUGINOSUS	S.STR.	(NS) MORPHOC.	02	001	01	AULONOCARABUS	REITTER	(SG)	09	---	---	
AERUGINOSUS	FISCH-W	(**) MORPHOC.	02	001	00	AURANIENSIS	MUELLER	(SS) LIMNOCAR.	01	001	03	
ALBARRACINUS	GANGLB	(SS) MESOCAR.	10	002	01	AURATOIDES	REITTER	(SS) AUTOCAR.	05	001	01	
ALCARACINUS	KRAATZ	(SS) MESOCAR.	10	002	02	AURATONITENS	ILLIGER	(SY) CHRYSOC.	26	001	02	
ALESSIENSIS	APFELBECK	(SS) AUTOCAR.	05	002	01	AURATUS	LINNAEUS	(**) AUTOCAR.	05	001	00	
ALICANTINUS	GANGLB	(SY) MESOCAR.	10	002	13	AURATUS	S.STR.	(NS) AUTOCAR.	05	001	02	
ALIVENSIS	BREUNING	(SS) CHRYSOC.	26	002	01	AURICHALCEUS	KRAATZ	(SS) MEGODONT.	23	008	02	
ALLUAUDI	COLAS	(SS) MESOCAR.	10	004	01	AURICULATUS	PUTZEYS	(**) INIOPACH.	25	001	00	
ALPESTRIS	S.STR.	(NS) ORINOCAR.	11	002	01	AURICULATUS	S.STR.	(NS) INIOPACH.	25	001	01	
ALPESTRIS	STURM	(**) ORINOCAR.	11	002	00	AUROLIMBATUS	S.STR.	(NS) MEGODONT.	23	001	01	
ALPICOLA	AUCT	(SY) EUCARAB.	04	001	03	AUROLIMBATUS	DEJ+BOISD	(**) MEGODONT.	23	001	00	
ALPINUS	DEJEAN	(SY) ORINOCAR.	11	007	01	AURONITENS	FABRICIUS	(**) CHRYSOC.	26	001	00	
ALTERNANS	PALLIARDI	(SS) MACROTH.	28	001	01	AURONITENS	S.STR.	(NS) CHRYSOC.	26	001	02	
ALTICOLA	BELLIER	(SS) MORPHOC.	02	014	01	AUTOCARABUS	SEIDLITZ	(SG)	05	---	---	
ALUTENSIS	SAVULESCU	(SS) MORPHOC.	02	018	01	AVERNUS	LAPOUGE	(SS) MESOCAR.	10	004	03	
ALYSSIDOTUS	ILLIGER	(**) ARCHICAR.	06	001	00	AZURESCENS	DEJEAN	(SS) MEGODONT.	23	010	03	
ALYSSIDOTUS	S.STR.	(NS) ARCHICAR.	06	001	01	BAETICUS	AUCT.	(NS) MACROTH.	28	003	01	
AMAYENSIS	LASSALLE	(SS) MESOCAR.	10	003	01	BAGUENAI	BREUNING	(SS) MESOCAR.	10	002	05	
AMMONIUS	LAPOUGE	(SS) CHRYSOC.	26	005	01	BALDENSIS	SCHAUM	(SS) PLATYCAR.	20	002	01	
AMOENUS	BAUDET-L	(SS) MORPHOC.	02	014	02	BALEARICUS	LAPOUGE	(SS) MACROTH.	28	001	03	
AMOENUS	CHAUDOIR	(SY) PACHYCR.	24	001	01	BANONI	DEJEAN	(**) PROCRUST.	30	001	00	
AMPLIPENNIS	S.STR.	(NS) OREOCAR.	12	001	01	BANONI	S.STR.	(NS) PROCRUST.	30	001	01	
AMPLIPENNIS	LAPOUGE	(**) OREOCAR.	12	001	00	BARCELECOANUS	LAPOUGE	(SS) MESOCAR.	10	003	03	
ANDORRANUS	BARTHE	(SS) MESOCAR.	10	004	02	BARTHEENSIS	NICOLAS	(HY) CHRYSOC.	PAGE	34		
ANDREJUSCII	DEUVE	(SY) MEGODONT.	23	010	01	BARTHEI	LAPOUGE	(SS) CHRYSOC.	26	001	03	
ANDRONNENSIS	NICOLAS	(HY) CHRYSOC.	PAGE	34		BASCHKIRIKUS	BREUNING	(SS) EUCARAB.	04	001	02	
ANDREJUSCII	FISCH-W	(SS) MEGODONT.	23	010	01	BASILICUS	CHEVROLAT	(SS) CHRYSOC.	26	002	02	
ANGLICUS	MOTSCH	(SY) EUCARAB.	04	001	09	BASTIANI	LASSALLE	(SS) ARCHICAR.	06	007	01	
ANGUSTATUS	PANZER	(SY) ORINOCAR.	11	011	02	BAYARDI	SOLIER	(SS) CHAETOC.	19	004	01	
ANGUSTICOLLIS	MOTSCH	(SY) PROCRUST.	30	002	02	BEHARRICUS	NICOLAS	(SS) CHRYSOC.	26	002	03	
ANGUSTULUS	HAURY	(SY) CHAETOC.	19	002	01	BELGICUS	LAPOUGE	(SS) MESOCAR.	10	004	04	
ANNAE	RAYNAUD	(HY) CHRYSOC.	PAGE	34		BEPMALEI	LAPOUGE	(SY) MESOCAR.	10	002	20	
ANTIPAI	S.STR.	(NS) TOMOCAR.	13	001	01	BERARDI	RAYNAUD	(SS) CHRYSOTR.	27	001	01	
ANTIPAI	PANIN	(**) TOMOCAR.	13	001	00	BERTOLINII	KRAATZ	(**) ORINOCAR.	11	003	00	
ANTIQUUS	DEJEAN	(SS) MESOCAR.	10	002	03	BERTOLINII	S.STR.	(NS) ORINOCAR.	11	003	01	
ANTONELLII	LUIGIONI	(SS) LIMNOCAR.	01	001	01	BESSARABICUS	S.STR.	(NS) TOMOCAR.	13	002	01	
ARAGONENSIS	LAPOUGE	(SS) CHRYSOTR.	27	002	02	BESSARABICUS	FISCH-W	(**) TOMOCAR.	13	002	00	
ARAGONICUS	GANGLB	(SS) MESOCAR.	10	002	04	BESSERI	S.STR.	(NS) MORPHOC.	02	002	01	
ARCADICUS	GISTL	(**) CHAETOC.	19	001	00	BESSERI	FISCH-W	(**) MORPHOC.	02	002	00	
ARCHICARABUS	SEIDLITZ	(SG)	06	---	---	BIGERRIO	LAPOUGE	(SS) CHRYSOC.	26	001	04	
ARCENSIS	AUCT.	(NS) EUCARAB.	04	001	01	BILINEATUS	GEHIN	(SS) CHRYSOC.	26	002	04	
ARCTICUS	SCHOENH	(SS) MEGODONT.	23	010	02	BOETICUS	DEYROLLE	(SS) MACROTH.	28	003	01	
ARELATENSIS	LAPOUGE	(SS) LIMNOCAR.	01	001	02	BOHEMICUS	HAURY	(SY) CHAETOC.	19	002	01	
ARRAIZENSIS	RAYNAUD	(HY) RAYNAUD	PAGE	34		BOLIVARI	BREUNING	(SS) MESOCAR.	10	002	06	
ARROGANS	SCHAUM	(SS) EUCARAB.	04	008	01	BONELLII	DEJEAN	(**) PLATYCAR.	20	001	00	
ARVENSIS	S.STR.	(NS) EUCARAB.	04	001	01	BONELLII	S.STR.	(NS) PLATYCAR.	20	001	01	
						BONNETI	COLAS	(SY) CHRYSOC.	26	004	01	
						BONNETIANUS	COLAS	(SS) CHRYSOC.	26	004	01	
						BORELI	LE MOULT	(HY) CHRYSOC.	PAGE	34		
						BORUSSICUS	CSIKI	(SY) EUCARAB.	04	001	09	
						BOSCENSIS	NIC	(SS) CHRYSOC.	26	001	05	
						BOSILJEVICI	DROV+AL.	(SS) MEGODONT.	23	003	02	
						BOSNICUS	APFELBECK	(SS) MEGODONT.	23	003	03	
						BOSPHORANUS	FISCH-W	(**) MORPHOC.	02	003	00	
						BOSPHORANUS	S.STR.	(NS) MORPHOC.	02	003	01	
						BOUDETI	BEUTHIN	(SS) CHRYSOTR.	27	001	02	
						BOUISSETI	BARTHE	(SS) CHRYSOC.	26	001	06	
						BRANNANI	SCHAUFUSS	(SS) MACROTH.	28	003	02	
						BREITI	LE MOULT	(HY) CHRYSOC.	PAGE	34		
						BREUNINGI	CSIKI	(SS) MESOCAR.	10	002	07	
						BREVIS	DEJEAN	(SS) MESOCAR.	10	002	08	
						BRUGNIONII	CHAUDOIR	(SY) PLATYCAR.	20	004	01	
						BUENDNERI	BREUNING	(SS) MEGODONT.	23	005	01	
						BUGARETI	JEANNEL	(HY) CHRYSOC.	PAGE	35		
						BULGARUS	LAPOUGE	(SS) MORPHOC.	02	020	01	
						BURESCHIANUS	BREUNING	(SS) PROCRUST.	31	004	01	
						CAELATUS	FABRICIUS	(**) MEGODONT.	23	002	00	

Checklist and Atlas of the Genus Carabus L. in Europe

CAELATUS	S. STR.	(NS)	MEGODONT.	23	002	01		CREUTZERI	S. STR.	(NS)	PLATYCAR.	20	002	02
CALLISTOCARABUS	REITTER	(SY)		13	---	---		CRIBELLATUS	ADAMS	(**)	PACHYST.	15	002	00
CAMPESTRIS	FISCH-W	(SY)	MORPHOC.	02	016	01		CRIBELLATUS	S. STR.	(NS)	PACHYST.	15	002	01
CANALICULATUS	ADAMS	(**)	AULONOC.	09	001	00		CRIMEENSIS	BREUNING	(SS)	CARABUS	03	001	01
CANALICULATUS	S. STR.	(NS)	AULONOC.	09	001	01		CRISTOFORII	S. STR.	(NS)	AUTOCAR.	05	003	01
CANCELLATUS	S. STR.	(NS)	AUTOCAR.	05	002	01		CRISTOFORII	SPENCE	(**)	AUTOCAR.	05	003	00
CANCELLATUS	ILLIGER	(**)	AUTOCAR.	05	002	00		CROATICUS	DEJEAN	(**)	MEGODONT.	23	003	00
CANCELLATUS	ALESSAND	(SY)	EUCARAB.	04	004	02		CROATICUS	S. STR.	(NS)	MEGODONT.	23	003	01
CANDISATUS	DUFTSCHM	(SS)	MEGODONT.	23	010	04		CROESUS	OBERTHÜR	(HY)	CHRYSOC.		PAGE	35
CANIGOUENSIS	SCHAEFER	(SS)	CHRYSOC.	26	001	07		CTENOCARABUS	THOMSON	(SG)		16	---	---
CANTABRICUS	CHEVR	(SS)	MESOCAR.	10	003	04		CUENCAENSIS	RAYNAUD	(SY)	RHABDOT.	17	001	01
CARABULUS	LUTSHNIK	(SY)		24	---	---		CUPREONITENS	CHEVR	(SS)	CHRYSOC.	26	001	10
CARABUS	LINNAEUS	(GE)				PAGE 20		CYANEUS	FABRICIUS	(SY)	CHAETOC.	19	002	01
CARABUS	S. STR.	(SG)		03	---	---		CYCHROIDES	BAUDI	(**)	PLATYCAR.	20	003	00
CARINATUS	CHARPENT	(SS)	AUTOCAR.	05	002	02		CYCHROIDES	S. STR.	(NS)	PLATYCAR.	20	003	01
CARINTHIACUS	S. STR.	(NS)	ORINOCAR.	11	004	01		DALMATINUS	DUFT	(SS)	MEGODONT.	23	002	02
CARINTHIACUS	STURM	(**)	ORINOCAR.	11	004	00		DEJEANI	FISCH-W	(SY)	MEGODONT.	23	006	01
CARLITTENSIS	BARTHE	(SS)	CHRYSOC.	26	001	08		DELACREI	TARRIER	(SS)	CHRYSOC.	27	002	03
CARNIOLICUS	CROTH	(SY)	MEGODONT.	23	002	01		DEPRESSUS	BONELLI	(SY)	PLATYCAR.	20	001	00
CARPATUS	BORN	(SS)	EUCARAB.	04	001	03		DESCENSUS	SCHAUF	(SY)	MESOCAR.	10	002	18
CARPATICUS	PALLIARDI	(SS)	EUCARAB.	04	005	02		DETRITUS	LAPOUGE	(SY)	EUCARAB.	04	001	09
CASTANOPTERUS	S. STR.	(NS)	ORINOCAR.	11	005	01		DEUBELI	REITTER	(HY)	MEGODONT.		PAGE	34
CASTANOPTERUS	VILLA	(**)	ORINOCAR.	11	005	00		DEYROLLEI	GORY	(**)	EUCARAB.	04	003	00
CASTILIANUS	DEJEAN	(SS)	MESOCAR.	10	002	09		DEYROLLEI	S. STR.	(NS)	EUCARAB.	04	003	01
CASTILIENSIS	BORN	(SY)	RHABDOT.	17	001	01		DILATUS	DEJEAN	(SS)	TOMOCAR.	13	003	03
CATALONICUS	GANGLB	(SS)	MESOCAR.	10	002	19		DIOCARABUS	LAPOUGE	(SG)		08	---	---
CATENATUS	PANZER	(SY)	EUCARAB.	04	002	01		DOLOMITANUS	MANDL	(SS)	ORINOCAR.	11	002	02
CATENULATUS	S. STR.	(NS)	EUCARAB.	04	002	01		DRAGONETTI	ROZZI	(SY)	ARCHICAR.	06	006	01
CATENULATUS	SCOPOLI	(**)	EUCARAB.	04	002	00		DUARIUS	FISCH-W	(SS)	CARABUS	03	001	03
CATENULATUS	AUCTT. NEC	(SY)	MESOCAR.	10	004	15		DUERENSIS	RAYNAUD	(SY)	OREOCAR.	12	004	01
CATENULATUS	OLIVIER	(SY)	MORPHOC.	02	014	06		DUFOURI	DEJEAN	(**)	MESOCAR.	10	001	00
CAVERNOSUS	FRIV	(**)	PACHYST.	15	001	00		DUFOURI	S. STR.	(NS)	MESOCAR.	10	001	01
CAVERNOSUS	S. STR.	(NS)	PACHYST.	15	001	01		DUPEUXI	DEUVE	(SS)	MORPHOC.	02	014	04
CELTIBERICUS	GERMAR	(SS)	MACROTH.	28	003	03		DUPONCHELI	DEJEAN	(**)	PROCRUS.	31	001	00
CELTICUS	LAPOUGE	(SS)	AUTOCAR.	05	002	03		DUPONCHELI	S. STR.	(NS)	PROCRUS.	31	001	01
CENISIUS	KRAATZ	(**)	ORINOCAR.	11	006	00		DURANI	RAYNAUD	(SS)	ARCHICAR.	06	007	02
CENISIUS	S. STR.	(NS)	ORINOCAR.	11	006	01		DURMITORUS	MANDL	(SS)	MEGODONT.	23	010	05
CERDANUS	LAPOUGE	(SS)	INIOPACH.	25	002	01		EGESIPPEI	LA FERTE	(SS)	MESOCAR.	10	002	11
CERESIACUS	BORN	(SS)	ORINOCAR.	11	006	02		EMARGINATUS	DUFTSCHM	(SS)	AUTOCAR.	05	002	05
CERISYI	DEJEAN	(SS)	PROCRUST.	30	002	01		ERMAKI	LUTSHNIK	(**)	PACHYCR.	24	001	00
CHAETOCARABUS	THOMSON	(SG)		19	---	---		ERMAKI	S. STR.	(NS)	PACHYCR.	24	001	01
CHENINORUM	DEUVE	(SS)	MACROTH.	28	001	02		ERRANS	FISCH-W	(**)	MORPHOC.	02	005	00
CHRYSOCARABUS	THOMSON	(SG)		26	---	---		ERRANS	S. STR.	(NS)	MORPHOC.	02	005	01
CHRYSOTRIBAX	REITTER	(SG)		27	---	---		ERRANS	GORY	(SY)	OREOCAR.	12	001	01
CLAIRI	GEHIN	(SS)	CHRYSOC.	26	004	02		ERRANSIS	ROUSSELLE	(SS)	CHRYSOC.	26	001	11
CLAIRVILLEI	LAPOUGE	(SS)	MESOCAR.	10	004	05		ESCHERI	PALLIARDI	(SS)	CHRYSOC.	26	001	12
CLAROFEMORATUS	NICOLAS	(HY)	CHRYSOC.			PAGE 34		ESQUIEYENSIS	NICOLAS	(HY)	CHRYSOC.		PAGE	35
CLATHRATUS	LINNAEUS	(**)	LIMNOCAR.	01	001	00		ESTREICHERI	FISCH-W	(**)	MORPHOC.	02	006	00
CLATHRATUS	S. STR.	(NS)	LIMNOCAR.	01	001	04		ESTREICHERI	S. STR.	(NS)	MORPHOC.	02	006	01
COLASI	BOURGIN	(SS)	ARCHICAR.	06	004	01		EUCARABUS	GEHIN	(SG)		04	---	---
COMPLANATUS	DEJEAN	(SS)	MESOCAR.	10	002	10		EUGENIEAE	RAYNAUD	(HY)	CHRYSOC.		PAGE	35
COMPTUS	DEJEAN	(**)	MORPHOC.	02	004	00		EUROPAE	BREUNING	(SS)	MEGODONT.	23	008	04
COMPTUS	S. STR.	(NS)	MORPHOC.	02	004	01		EURYCARABUS	GEHIN	(SG)		14	---	---
CONCOLOR	FABRICIUS	(**)	ORINOCAR.	11	007	00		EUTELOCARABUS	REITTER	(SY)		02	---	---
CONCOLOR	S. STR.	(NS)	ORINOCAR.	11	007	01		EXARATUS	QUENSEL	(**)	MEGODONT.	23	004	00
CONCRETUS	FISCH-W	(SS)	TOMOCAR.	13	002	02		EXARATUS	S. STR.	(NS)	MEGODONT.	23	004	01
CONFUSUS	TARRIER	(SS)	TOMOCAR.	13	003	01		EXCAVATUS	CHARPENT	(SS)	PROCRUST.	30	002	03
CONSITUS	PANZER	(SS)	MORPHOC.	02	014	03		EXCELLENS	FABRICIUS	(**)	MORPHOC.	02	007	00
CONTRACTUS	GEHIN	(SS)	ARCHICAR.	06	004	02		EXCELLENS	S. STR.	(NS)	MORPHOC.	02	007	01
CONVEXUS	FABRICIUS	(**)	TOMOCAR.	13	003	00		EXILIS	RAYNAUD	(SY)	RHABDOT.	17	001	01
CONVEXUS	S. STR.	(NS)	TOMOCAR.	13	003	02		EXTENSUS	KRAATZ	(SS)	OREOCAR.	12	003	01
CORDICOLLIS	MOTSCH	(SY)	PROCRUST.	30	002	02		FABRICII	S. STR.	(NS)	PLATYCAR.	20	004	01
CORIACEUS	LINNAEUS	(**)	PROCRUST.	30	002	00		FABRICII	PANZER	(**)	PLATYCAR.	20	004	00
CORIACEUS	S. STR.	(NS)	PROCRUST.	30	002	02		FABRICIIRUSPOLII	BREUNING	(SS)	ARCHICAR.	06	007	03
CORPULENTUS	KRAATZ	(SS)	AUTOCAR.	05	002	04		FAIRMAIREI	THOMS	(**)	ORINOCAR.	11	008	00
CORSICUS	BORN	(SS)	CARABUS	03	001	02		FAIRMAIREI	S. STR.	(NS)	ORINOCAR.	11	008	01
COSTALIS	LAPOUGE	(SS)	EUCARAB.	04	001	04		FAMINI	S. STR.	(NS)	EURYCAR.	14	001	01
COSTATUS	GERMAR	(SS)	RHABDOT.	17	001	01		FAMINI	DEJEAN	(**)	EURYCAR.	14	001	00
COSTELLATUS	GEHIN	(SS)	CHRYSOC.	26	001	09		FARINESI	DEJEAN	(SS)	CHRYSOC.	26	001	13
COSTULUS	GEHIN	(SS)	INIOPACH.	25	002	02		FASTUOSUS	PALLIARDI	(SS)	EUCARAB.	04	008	02
CRENATOCOSTATUS	LAPOUGE	(SS)	MEGODONT.	23	008	03		FAUSTULUS	LAPOUGE	(HY)	CHRYSOC.		PAGE	34
CREUTZERI	FABRICIUS	(**)	PLATYCAR.	20	002	00		FENESTRELLANUS	BEUTHIN	(SS)	ORINOCAR.	11	006	03

FESTIVUS	DEJEAN	(SS)	CHRYSOC.	26	001	14	HORTENSIS	S.STR.	(NS)	OREOCAR.	12	005	01
FIORII	BORN	(SS)	MEGODONT.	23	005	02	HORTENSIS	LINNAEUS	(**)	OREOCAR.	12	005	00
FOETENS	VOET	(SY)	ARCHICAR.	06	004	08	HUMMELI	FISCH-W	(**)	MORPHOC.	02	011	00
FOLGARICUS	BERNAU	(SS)	ORINOCAR.	11	011	01	HUMMELI	S.STR.	(NS)	MORPHOC.	02	011	01
FONTANELLAE	REITTER	(SS)	EUCARAB.	04	002	02	HUNGARICUS	S.STR.	(NS)	PACHYST.	15	004	01
FORSTERI	MANDL	(SS)	CHRYSOC.	26	001	15	HUNGARICUS	FABRICIUS	(**)	PACHYST.	15	004	00
FORTICOSTIS	KRAATZ	(SS)	CHRYSOC.	26	002	05	HYGROCARABUS	THOMSON	(SG)		18	---	--
FOSSULATUS	DEJEAN	(SS)	MORPHOC.	02	008	01	IBERICUS	JEANNE	(SS)	MEGODONT.	23	008	07
FOSSULIFER	FLEISCHER	(SY)	EUCARAB.	04	005	02	ICELANDICUS	LINDROTH	(SS)	MESOCAR.	10	004	07
FRIVALDSKYI	KRAATZ	(SS)	MORPHOC.	02	007	02	IGNIPENNIS	LE MOULT	(HY)	CHRYSOC.	PAGE	35	
FUENTEI	BREUNING	(SS)	MESOCAR.	10	002	12	IGNITUS	REITTER	(SY)	INIOPACH.	25	002	05
FULGENS	CHARPENT	(SS)	MEGODONT.	23	008	05	INFLATUS	KRAATZ	(SS)	MESOCAR.	10	004	08
GALICIANUS	S.STR.	(NS)	CTENOCAR.	16	001	01	INIOPACHYS	SOLIER	(SG)		25	---	--
GALICIANUS	GORY	(**)	CTENOCAR.	16	001	00	INTERMEDIUS	DEJEAN	(SS)	AUTOCAR.	05	002	07
GALLICUS	GEHIN	(SS)	MESOCAR.	10	004	06	INTERPOSITUS	GEHIN	(SS)	MORPHOC.	02	014	05
GASTRIDULUS	FISCH-W	(SY)	PACHYST.	15	004	02	INTERSTITIALIS	DUFTSCHM	(SS)	CARABUS	03	001	05
GEMMATUS	FABRICIUS	(SY)	OREOCAR.	12	005	01	INTRICATUS	S.STR.	(NS)	CHAETOC.	19	002	01
GENEI	S.STR.	(NS)	EURYCAR.	14	002	01	INTRICATUS	LINNAEUS	(**)	CHAETOC.	19	002	00
GENEI	GENE	(**)	EURYCAR.	14	002	00	IRREGULARIS	S.STR.	(NS)	PLATYCAR.	20	005	01
GERMANAE	CAS+CAV	(SS)	ORINOCAR.	11	012	01	IRREGULARIS	FABRICIUS	(**)	PLATYCAR.	20	005	00
GERMARI	S.STR.	(NS)	MEGODONT.	23	005	03	ITALICUS	S.STR.	(NS)	EUCARAB.	04	004	01
GERMARI	STURM	(**)	MEGODONT.	23	005	00	ITALICUS	DEJEAN	(**)	EUCARAB.	04	004	00
GERUNDENSIS	BORN	(SS)	MEGODONT.	23	008	06	JANSONI	KRAATZ	(SS)	LIMNOCAR.	01	001	05
GETSCHMANNI	LAPOUGE	(SS)	OREOCAR.	12	001	02	JANTHINUS	GANGLB	(**)	SPHODRIS.	22	001	00
GHILIANI	S.STR.	(NS)	OREOCAR.	12	002	01	JARRIGEI	COLAS	(SS)	EUCARAB.	04	001	05
GHILIANI	LA FERTE	(**)	OREOCAR.	12	002	00	JEANNAE	RAYNAUD	(HY)	CHRYSOC.	PAGE	34	
GIBBOSUS	HEYDEN	(SY)	OREOCAR.	12	003	01	JEANNEI	LASS+PHAM	(SS)	CHRYSOTR.	27	002	04
GIGAS	CREUTZER	(**)	PROCERUS	31	002	00	JOAQUINI	BREUN+TG	(SS)	MESOCAR.	10	003	05
GIGAS	S.STR.	(NS)	PROCERUS	31	002	01	JUGICOLA	BARTHE	(SS)	MESOCAR.	10	004	09
GLABRATUS	PAYKULL	(**)	OREOCAR.	12	003	00	JURASSICUS	BORN	(SS)	PLATYCAR.	20	005	02
GLABRATUS	S.STR.	(NS)	OREOCAR.	12	003	02	JURECEKI	BORN	(SY)	MORPHOC.	02	017	01
GOUGELETI	REICHE	(SY)	MESOCAR.	10	002	14	KARELINI	FISCH-W	(SS)	MORPHOC.	02	022	01
GRAECUS	S.STR.	(NS)	PACHYST.	15	003	01	KARPINSKII	KRYZ+MAT	(**)	MORPHOC.	02	012	00
GRAECUS	DEJEAN	(**)	PACHYST.	15	003	00	KARPINSKII	S.STR.	(NS)	MORPHOC.	02	012	01
GRANIGER	PALLIARDI	(SS)	AUTOCAR.	05	002	06	KINDERMANNI	WALT	(SS)	PROCRUST.	30	002	04
GRANULATUS	LINNAEUS	(**)	CARABUS	03	001	00	KIRCHERI	GERMAR	(SS)	PLATYCAR.	20	002	04
GRANULATUS	S.STR.	(NS)	CARABUS	03	001	04	KISKUNENSIS	ADAM+AL.	(SS)	TOMOCAR.	13	003	04
GSPANI	KOBMANN	(HY)	PLATYCAR.	PAGE	34		KNABLI	MANDL	(SS)	CARABUS	03	002	01
GUADARRAMUS	S.STR.	(NS)	OREOCAR.	12	004	01	KOLBI	BREUNING	(SS)	ORINOCAR.	11	013	02
GUADARRAMUS	LA FERTE	(**)	OREOCAR.	12	004	00	KOLLARI	PALLIARDI	(**)	MORPHOC.	02	013	00
GYLLENHALI	S.STR.	(NS)	MEGODONT.	23	006	01	KOLLARI	S.STR.	(NS)	MORPHOC.	02	013	01
GYLLENHALI	FISCH-W	(**)	MEGODONT.	23	006	00	KONSCHEGGI	BORN	(HY)	PLATYCAR.	PAGE	34	
HABERFELLNERI	GANGLB	(SS)	ORINOCAR.	11	013	01	KORALPICUS	SOKOLAR	(SS)	PLATYCAR.	20	004	02
HADROCARABUS	THOMSON	(SY)		10	---	--	KRAUSSI	LAPOUGE	(SS)	CHRYSOC.	26	001	16
HAERES	S.STR.	(NS)	MORPHOC.	02	008	02	KRICHELDORFFI	BREUNING	(SY)	MESOCAR.	10	002	07
HAERES	FISCH-W	(**)	MORPHOC.	02	008	00	KRICHELDORFFI	LE MOULT	(HY)	CHRYSOC.	PAGE	35	
HAMPEI	KUESTER	(**)	MORPHOC.	02	009	00	KRUEPERI	S.STR.	(NS)	CHAETOC.	19	003	01
HAMPEI	S.STR.	(NS)	MORPHOC.	02	009	01	KRUEPERI	REITTER	(**)	CHAETOC.	19	003	00
HEERI	GERMAR	(SY)	PLATYCAR.	20	004	01	LAEVICOSTATUS	LAPOUGE	(SS)	MEGODONT.	23	008	08
HELENAE	MOLLARD	(HY)	CHRYSOC.	PAGE	35		LAEVIGATUS	SCRIBA	(SY)	OREOCAR.	12	003	02
HELLERI	GANGLB	(SS)	MORPHOC.	02	021	01	LAMADRIDAE	BORN	(SS)	ARCHICAR.	06	004	03
HELLUO	DEJEAN	(SS)	MESOCAR.	10	002	13	LAMPROSTUS	MOTSCH	(SG)		29	---	--
HELLWIGI	SCHAUM	(SY)	MESOCAR.	10	002	18	LANIELI	LE MOULT	(HY)	CHRYSOC.	PAGE	35	
HEMICARABUS	GEHIN	(SG)		07	---	--	LAPPONICUS	BORN	(SS)	OREOCAR.	12	003	03
HENNINGI	S.STR.	(NS)	MORPHOC.	02	010	01	LAPURDANUS	LAPOUGE	(SS)	CHRYSOC.	26	005	02
HENNINGI	FISCH-W	(**)	MORPHOC.	02	010	00	LASSEREI	DOUE	(SS)	AUTOCAR.	05	001	05
HERBSTI	DEJEAN	(SY)	EUCARAB.	04	002	01	LATERALIS	CHEVR	(SS)	CHRYSOC.	26	002	06
HERMANNI	MANNH	(SS)	MORPHOC.	02	001	02	LATIO	BORN	(SS)	OREOCAR.	12	003	04
HEROS	LAPOUGE	(SS)	PLATYCAR.	20	002	03	LATISSIMUS	LAPOUGE	(SS)	CHRYSOTR.	27	001	04
HETEROCARABUS	MORAWITZ	(SG)		21	---	--	LATREILLEANUS	S.STR.	(NS)	ORINOCAR.	11	010	01
HETEROMORPHUS	S.STR.	(NS)	ORINOCAR.	11	009	01	LATREILLEANUS	CSIKI	(**)	ORINOCAR.	11	010	00
HETEROMORPHUS	K DANIEL	(**)	ORINOCAR.	11	009	00	LATREILLEI	DEJEAN	(SY)	ORINOCAR.	11	010	01
HEYDENI	PAULINO	(SY)	ARCHICAR.	06	007	04	LATUS	DEJEAN	(SS)	MESOCAR.	10	002	14
HICKERI	BREUNING	(SS)	ORINOCAR.	11	002	03	LAUFFERI	BREUNING	(SS)	MACROTH.	28	003	04
HILAIREI	GAVOY	(SS)	AUTOCAR.	05	001	03	LAYREI	TARRIER	(SS)	ARCHICAR.	06	004	04
HISPANICUS	TARRIER	(SS)	ARCHICAR.	06	005	01	LEFEVREI	DEJEAN	(**)	CHAETOC.	19	004	00
HISPANUS	S.STR.	(NS)	CHRYSOTR.	27	001	03	LEMOULTI	LAPOUGE	(HY)	CHRYSOC.	PAGE	35	
HISPANUS	FABRICIUS	(**)	CHRYSOTR.	27	001	00	LEONENSIS	BORN	(SS)	CHRYSOC.	26	002	07
HONNORATI	DEJEAN	(SS)	AUTOCAR.	05	001	04	LEONENSIS	BREUNING	(SY)	RHABDOT.	17	001	01
HOPPEI	GERMAR	(SS)	ORINOCAR.	11	002	04	LEPONTINUS	BORN	(SS)	ORINOCAR.	11	007	02
HORTENSIS	DEJEAN	(SY)	ARCHICAR.	06	004	08	LEPTOPUS	THOMSON	(SY)	MESOCAR.	10	002	14
HORTENSIS	FABRICIUS	(SY)	ARCHICAR.	06	004	08	LEVANTINUS	LAUFFER	(SS)	MACROTH.	28	003	05

LIEBEI	EIDAM	(SS)	MESOCAR.	10	003	06	NAVARRICUS	LAPOUGE	(SS)	AUTOCAR.	05	001	07
LIEBMANNI	LENG	(SY)	EUCARAB.	04	001	08	NEESI	HOPPE+H	(SS)	MEGODONT.	23	005	04
LIGURANUS	BREUNING	(SS)	CHRYSOC.	26	004	03	NEGREI	BREUNING	(SS)	OREOCAR.	12	002	02
LIMNOCARABUS	GEHIN	(ST)		01	---	---	NEMORALIS	MUELL O F	(**) ARCHICAR.	06	004	00	
LINEATUS	S.STR.	(NS)	CHRYSOC.	26	002	08	NEMORALIS	S.STR.	(NS)	ARCHICAR.	06	004	08
LINEATUS	DEJEAN	(**) CHRYSOC.	26	002	00		NEUMEYER	SCHAUM	(SS)	OREOCAR.	12	006	01
LINNEI	PANZER	(**) ORINOCAR.	11	011	00		NIGRICORNIS	LEBIS	(HY)	CHRYSOC.	PAGE	35	
LINNEI	S.STR.	(NS)	ORINOCAR.	11	011	02	NITENS	S.STR.	(NS)	HEMICAR.	07	001	01
LJUBETENSIS	APFELBECK	(SS)	MEGODONT.	23	003	04	NITENS	LINNAEUS	(**) HEMICAR.	07	001	00	
LOGRONICUS	BREUNING	(SY)	MESOCAR.	10	002	04	NIVOSUS	HEER	(SS)	ORINOCAR.	11	013	04
LOMBARDUS	KRAATZ	(SY)	ORINOCAR.	11	005	01	NODULOSUS	S.STR.	(NS)	HYGROCAR.	18	001	01
LORENZOI	RAYNAUD	(HY)	CHRYSOC.	PAGE	35		NODULOSUS	CREUTZER	(**) HYGROCAR.	18	001	00	
LOSCHNIKOWI	FISCH-W	(**) DIOCARAB.	08	001	00		NORENSIS	PHAM	(SS)	MORPHOC.	02	014	07
LOSCHNIKOWI	S.STR.	(NS)	DIOCARAB.	08	001	01	NORICUS	SOKOLAR	(SS)	EUCARAB.	04	001	06
LOTHARINGUS	DEJEAN	(SS)	AUTOCAR.	05	001	06	NUMANCIANUS	RAYNAUD	(SS)	CHRYSOC.	26	002	09
LUCENS	SCHAUM	(SS)	PLATYCAR.	20	001	02	OBLONGUS	STURM	(SS)	AUTOCAR.	05	002	08
LUCZOTI	LAPORTE	(SY)	MESOCAR.	10	002	03	OBSOLETUS	STURM	(**) EUCARAB.	04	005	00	
LUETGENSI	BEUTHIN	(SY)	OREOCAR.	12	001	01	OBSOLETUS	S.STR.	(NS)	EUCARAB.	04	005	01
LUGENSIS	BREUNING	(SS)	MEGODONT.	23	008	09	OCCIDENTALIS	JEANNE	(SS)	INIOPACH.	25	002	03
LUSTANUSAE	FRADOIS	(HY)	CHRYSOC.	PAGE	35		OCCITANUS	LAPOUGE	(SS)	MESOCAR.	10	004	13
LUSITANICUS	S.STR.	(NS)	MESOCAR.	10	002	15	ODORATUS	MOTSCH	(**) MORPHOC.	02	015	00	
LUSITANICUS	FABRICIUS	(**) MESOCAR.	10	002	00		OLIERI	RAYNAUD	(HY)	CHRYSOC.	PAGE	35	
MACILENTUS	LAPOUGE	(SS)	MACROTH.	28	001	03	OLYMPIAE	SELLA	(**) CHRYSOC.	26	003	00	
MACROCEPHALOIDES	JEANNE	(SS)	MESOCAR.	10	003	07	OLYMPIAE	S.STR.	(NS)	CHRYSOC.	26	003	01
MACROCEPHALUS	S.STR.	(NS)	MESOCAR.	10	003	08	OMENSIS	BORN	(SS)	ORINOCAR.	11	012	02
MACROCEPHALUS	DEJEAN	(**) MESOCAR.	10	003	00		OPULENTUS	OBERTHUR	(SS)	CHRYSOTR.	27	002	05
MACROTHORAX	DESMAREST	(SG)		28	---	---	OREOCARABUS	GEHIN	(SG)		12	---	---
MALACHITICUS	THOMSON	(SS)	PLATYCAR.	20	004	03	ORINOCARABUS	KRAATZ	(SG)		11	---	---
MARGINALIS	S.STR.	(NS)	TOMOCAR.	13	004	01	ORMAYI	REITTER	(SS)	MORPHOC.	02	009	02
MARGINALIS	FABRICIUS	(**) TOMOCAR.	13	004	00		PACHOLEI	SOKOLAR	(SS)	CARABUS	03	002	03
MARIETII	CRIS+JAN	(**) HETEROC.	21	001	00		PACHYCRANION	SOLIER	(SG)		24	---	---
MARIETII	S.STR.	(NS)	HETEROC.	21	001	01	PACHYSTUS	MOTSCH	(SG)		15	---	---
MAYETI	GEHIN	(SS)	MESOCAR.	10	004	10	PAGANETTI	BORN	(SY)	TOMOCAR.	13	003	02
MEDIOTUBERCULAT.	SCHAUF	(SY)	MESOCAR.	10	002	18	PANDELLEI	GEHIN	(SS)	CHRYSOC.	26	001	18
MEDITERRANEUS	BORN	(SS)	PROCRUST.	30	002	05	PARNASSICUS	KRAATZ-KOS.	(SS)	PROCRUS.	31	002	02
MEGODONTUS	SOLIER	(SG)		23	---	---	PARREYSSI	S.STR.	(NS)	EUCARAB.	04	006	01
MELANCHOLICUS	S.STR.	(NS)	RHABDOT.	17	001	02	PARREYSSI	PALLIARDI	(**) EUCARAB.	04	006	00	
MELANCHOLICUS	FABRICIUS	(**) RHABDOT.	17	001	00		PASCUORUM	LAPOUGE	(SS)	ARCHICAR.	06	004	09
MENETRIESI	HUMMEL	(**) CARABUS	03	002	00		PEDEMONTANUS	GANGLB	(SS)	ORINOCAR.	11	012	03
MENETRIESI	S.STR.	(NS)	CARABUS	03	002	02	PELVICUS	CAVAZZUTI	(SS)	ORINOCAR.	11	008	02
MERIDIANUS	CSIKI	(SS)	ARCHICAR.	06	004	05	PERFORATUS	FISCH-W	(SY)	PACHYST.	15	002	01
MERIDIONALIS	LAPOUGE	(SS)	ARCHICAR.	06	004	06	PERIGNITUS	REITTER	(SS)	CHRYSOTR.	27	002	06
MERLINI	SCHAUM	(**) CHAETOC.	19	005	00		PERRINI	DEJEAN	(SS)	MORPHOC.	02	022	02
MERLINI	S.STR.	(NS)	CHAETOC.	19	005	01	PICENUS	VILLA	(SS)	MEGODONT.	23	010	06
MERTOLAENSIS	BREUNING	(SY)	MESOCAR.	10	002	03	PIRINENSIS	MANDL	(SS)	MEGODONT.	23	010	07
MESCHNIGGI	BORN	(HY)	PLATYCAR.	PAGE	34		PLANATUS	S.STR.	(NS)	MACROTH.	28	002	01
MESOCARABUS	THOMSON	(SG)		10	---	---	PLANATUS	CHAUDOIR	(**) MACROTH.	28	002	00	
MEYERI	BORN	(SY)	MEGODONT.	23	010	09	PLANICOLLIS	S.STR.	(NS)	MEGODONT.	23	007	01
MICKLITZI	SOKOLAR	(SS)	ORINOCAR.	11	013	03	PLANICOLLIS	KUESTER	(**) MEGODONT.	23	007	00	
MINGENS	QUENSEL	(SS)	PACHYST.	15	004	02	PLANUSCULUS	HAURY	(SS)	MESOCAR.	10	004	14
MIOLANSICUS	TARRIER	(SS)	ARCHICAR.	06	004	07	PLANUS	GEHIN	(**) MORPHOC.	02	016	00	
MIXTUS	GEHIN	(SS)	MEGODONT.	23	008	10	PLANUS	S.STR.	(NS)	MORPHOC.	02	016	01
MOLDAVIENSIS	BORN	(SY)	MORPHOC.	02	007	02	PLATYCARABUS	MORAWITZ	(SG)		20	---	---
MOLOSSOIDES	LASSALLE	(SS)	MESOCAR.	10	002	16	POMERANUS	GMELIN	(SY)	EUCARAB.	04	001	01
MONILIS	FABRICIUS	(**) MORPHOC.	02	014	00		PORTALEGRENSIS	GANGLB	(SY)	MESOCAR.	10	002	03
MONILIS	S.STR.	(NS)	MORPHOC.	02	014	06	PORTOI	RAYNAUD	(HY)	CHRYSOC.	PAGE	35	
MONTANDONI	BUYSSON	(SS)	PLATYCAR.	20	005	03	PRESLII	S.STR.	(NS)	OREOCAR.	12	006	02
MONTANUS	GEHIN	(SS)	CHRYSOC.	26	001	17	PRESLII	DEJEAN	(**) OREOCAR.	12	006	00	
MONTICOLA	DEJEAN	(**) ARCHICAR.	06	002	00		PREYSSLERI	DUFTSCHM	(SS)	MORPHOC.	02	021	02
MONTICOLA	S.STR.	(NS)	ARCHICAR.	06	002	01	PROBLEMATICUS	S.STR.	(NS)	MESOCAR.	10	004	15
MONTIVAGUS	S.STR.	(NS)	ARCHICAR.	06	003	01	PROBLEMATICUS	HERBST	(**) MESOCAR.	10	004	00	
MONTIVAGUS	PALLIARDI	(**) ARCHICAR.	06	003	00		PROCRUS	DEJEAN	(SG)		31	---	---
MONTSERRATICUS	CSIKI	(SY)	CHRYSOTR.	27	002	02	PROCRUSTES	BONELLI	(SG)		30	---	---
MORBILLOSUS	S.STR.	(NS)	MACROTH.	28	001	04	PROCRUSTIDES	SEMEV	(SY)		13	---	---
MORBILLOSUS	FABRICIUS	(**) MACROTH.	28	001	00		PRUNIERI	PHAM	(SY)	MESOCAR.	10	004	02
MORIO	MANNH	(SS)	PACHYST.	15	003	02	PSEUDOBAETICUS	LASSALLE	(SY)	MACROTH.	28	003	06
MORODERI	BREUNING	(SS)	MESOCAR.	10	002	17	PSEUDOBOETICUS	BRANER	(SS)	MACROTH.	28	003	06
MORPHOCARABUS	GEHIN	(SG)		02	---	---	PSEUDOCHECHENUS	MORAWITZ	(SY)		20	---	---
MOUTHIEZI	DARNAUD+P	(HY)	MEGODONT.	PAGE	34		PSEUDOFALSTULUS	LE MOULT	(HY)	CHRYSOC.	PAGE	35	
MUELLERI	HAURY	(SS)	MEGODONT.	23	008	11	PSEUDOFULGENS	BORN	(SS)	MEGODONT.	23	008	12
MULSANTI	GEHIN	(SS)	MESOCAR.	10	004	11	PSEUDOTHEROS	KENYERY	(SS)	PLATYCAR.	20	002	05
NAVARRENSIS	BREUNING	(SS)	MESOCAR.	10	004	12	PSEUDOHOLCHRYSD	LE MOULT	(HY)	CHRYSOC.	PAGE	35	

PSEUDOMONTICOLA	LAPOUGE	(**) ARCHICAR.	06 005 00	SCHOENHERRI	S.STR	(NS) PACHYCR.	24 002 01
PSEUDOMONTICOLA	S.STR.	(NS) ARCHICAR.	06 005 02	SCHREIBERI	KRAATZ	(SS) MEGODONT.	23 002 03
PSEUDOMUELLERI	CODINA	(SY) MEGODONT.	23 008 11	SCHRICHELLI	DEJEAN	(SS) EUCARAB.	04 001 08
PSEUDONORICUS	KENYERY	(SS) EUCARAB.	04 001 07	SCYTHUS	MOTSCH	(SS) PACHYST.	15 004 03
PSEUDONOTHUS	KRAATZ	(HY) PLATYCAR.	PAGE 34	SEGURANUS	LAUFFER	(SS) MACROTH.	28 003 08
PSEUDOPASCUORUM	TARRIER	(SS) ARCHICAR.	06 005 04	SEILERI	HEER	(SY) EUCARAB.	04 001 08
PSEUDOPUMICATUS	LE MOULT	(HY) CHRYSOC.	PAGE 35	SELLAEACARABUS	STURANI	(SY) ---	26 ---
PSEUDORUGIFER	SOKOLAR	(SY) PROCRUST.	30 002 06	SEPTEMCARINATUS	MOTSCH	(**) MEGODONT	23 009 00
PSEUDOSTEUARTI	LAPOUGE	(**) OREOCAR.	12 007 00	SEPTEMCARINATUS	S.STR.	(NS) MEGODONT	23 009 01
PSEUDOSTEUARTI	S.STR.	(NS) OREOCAR.	12 007 01	SEPTENTRIONALIS	BREUNING	(SS) MORPHOC.	02 015 01
PS.LOTHARINGUS	BARTHE	(SS) AUTOCAR.	05 001 08	SERVILLEI	SOLIER	(SY) MACROTH.	28 001 01
PS.MONTIVAGUS	MANDL	(SS) ARCHICAR.	06 004 10	SIBIRICUS	FISCH-W	(**) MORPHOC.	02 022 00
PUNCTATOAUURATUS	GERMAR	(SS) CHRYSOC.	26 001 19	SICANUS	CSIKI	(SY) MACROTH.	28 001 01
PUNCTATULUS	CSIKI	(SS) INIOPACH.	25 002 04	SILVATICUS	DEJEAN	(SS) EUCARAB.	04 001 09
PUNCTATUS	GEHIN	(SY) INIOPACH.	25 002 05	SILVESTRI	S.STR.	(NS) ORINOCAR.	11 013 06
PURPURASCENS	S.STR.	(NS) MEGODONT.	23 008 13	SILVESTRI	PANZER	(**) ORINOCAR.	11 013 00
PURPURASCENS	FABRICIUS	(**) MEGODONT.	23 008 00	SIMULATOR	KRAATZ	(SS) MORPHOC.	02 021 03
PUTZEYSIANUS	GEHIN	(**) ORINOCAR.	11 012 00	SIMULATUS	BREUNING	(SY) MORPHOC.	02 021 03
PUTZEYSIANUS	S.STR.	(NS) ORINOCAR.	11 012 04	SOLIDUS	LAPOUGE	(SS) MESOCAR.	10 004 16
PYRENAEENSIS	GEHIN	(SY) RHABDOT.	17 001 01	SOLIERI	DEJEAN	(**) CHRYSOC.	26 004 00
PYRENAEUS	SERVILLE	(**) INIOPACH.	25 002 00	SOLIERI	S.STR.	(NS) CHRYSOC.	26 004 04
PYRENAEUS	S.STR.	(NS) INIOPACH.	25 002 05	SOLUTUS	OBERTH	(SS) MESOCAR.	10 004 17
PYRENAEICOLA	CSIKI	(SS) TOMOCAR.	13 003 05	SOMMERI	MANNH	(**) PROCRUS	31 004 00
PYRENAICUS	BORN	(SY) TOMOCAR.	13 003 05	SORTANUS	JEANNE	(SY) MESOCAR.	10 002 04
QUASILINEATUS	TARRIER	(SS) CHRYSOC.	26 002 10	SORREDENSIS	REYMOND	(SY) ARCHICAR.	06 005 03
RAETZERI	BORN	(SY) EUCARAB.	04 001 08	SPHODRISTOCARAB.	GEHIN	(SG) ---	22 ---
RAMANUS	SOKOLAR	(SS) PLATYCAR.	20 005 04	SPLENDENS	OLIVIER	(**) CHRYSOC.	26 005 00
RAYNAUDI	COLAS	(SS) CHRYSOC.	26 001 20	SPLENDENS	S.STR.	(NS) CHRYSOC.	26 005 03
RAYNAUDIANUS	DEUVE+SIM	(SS) ORINOCAR.	11 012 05	SPRETUS	DEJEAN	(SY) PROCRUST.	30 002 02
REDTENBACHERI	GEHIN	(SS) ORINOCAR.	11 013 05	STARENSIS	BORN	(SS) CHAETOC.	19 002 02
REGALIS	S.STR.	(NS) MORPHOC.	02 017 01	STECKI	BORN	(SS) ORINOCAR.	11 008 03
REGALIS	FISCH-W	(**) MORPHOC.	02 017 00	STEUARTI	DEYROLLE	(**) ARCHICAR.	06 007 00
REGULARIS	FISCHER G	(SY) PLATYCAR.	20 005 01	STEUARTI	S.STR.	(NS) ARCHICAR.	06 007 04
RETOWSKIANUS	MANDL	(SS) MORPHOC.	02 016 01	STEUARTI	HEYDEN	(SY) OREOCAR.	12 008 01
RHABDOTOCARABUS	SEIDLITZ	(SG) ---	17 ---	STRANDI	BORN	(SS) MESOCAR.	10 004 18
RHILENSIS	KRAATZ	(SS) EUCARAB.	04 008 03	STRIATUS	DEGEER	(SY) OREOCAR.	12 005 01
RILVENSIS	KOLBE	(SS) MEGODONT.	23 010 08	STRIOLATUS	FISCHER	(SY) TOMOCAR.	13 003 02
RONAYI	CSIKI	(SS) MORPHOC.	02 023 01	STSCHEGLOWI	S.STR.	(NS) EUCARAB.	04 007 01
ROSSII	S.STR.	(NS) ARCHICAR.	06 006 01	STSCHEGLOWI	MANNH	(**) EUCARAB.	04 007 00
ROSSII	DEJEAN	(**) ARCHICAR.	06 006 00	STYGIUS	GANGLB	(SS) LIMNOCAR.	01 001 06
ROSTAGNOI	LUIGIONI	(SS) EUCARAB.	04 004 02	STYRIENSIS	BREUNING	(SS) MEGODONT.	23 005 06
ROSTANOI	DEUVE	(SY) EUCARAB.	04 004 02	SUBFESTIVUS	OBERTH	(SS) CHRYSOC.	26 001 21
ROTHI	DEJ+BOISD	(**) MORPHOC.	02 018 00	SUBFULGENS	JEANNE	(SS) MEGODONT.	23 008 14
ROTHI	S.STR.	(NS) MORPHOC.	02 018 02	SUBLINEATUS	GEHIN	(SY) PROCRUST.	30 002 02
ROTTENMANICUS	SOKOLAR	(SS) ORINOCAR.	11 002 05	SUBMERIDIONALIS	BREUNING	(SS) RHABDOT.	17 001 03
RUFFOFEMORATUS	LE MOULT	(HY) CHRYSOC.	PAGE 35	SUBPYRENAEUS	LAPOUGE	(SS) MORPHOC.	02 014 09
RUGIFER	KRAATZ	(SS) PROCRUST.	30 002 06	SUGINTENSIS	BRUNIER	(SY) EUCARAB.	04 001 08
RUGOSUS	LE MOULT	(HY) CHRYSOC.	PAGE 35	SULINENSIS	LAPOUGE	(SS) CARABUS	03 001 06
RUGOSUS	FABRICIUS	(**) MACROTH.	28 003 00	SUSTENENSIS	BORN	(HY) PLATYCAR.	PAGE 34
RUGOSUS	S.STR.	(NS) MACROTH.	28 003 07	SYLVATICUS	DEJEAN	(SY) EUCARAB.	04 001 09
RUGOSUS	DEJEAN	(SY) PROCRUST.	30 002 03	TACHYPUS	WEBER	(SY) ---	00 ---
RUTILANS	DEJEAN	(**) CHRYSOTR.	27 002 00	TARNENSIS	GEHIN	(SS) AUTOCAR.	05 002 09
RUTILANS	S.STR.	(NS) CHRYSOTR.	27 002 07	TAURICUS	BONELLI	(SS) PROCRUS	31 003 02
RYBINSKII	REITTER	(**) MORPHOC.	02 019 00	THEBAUDI	COLAS	(SS) EUCARAB.	04 001 10
RYBINSKII	S.STR.	(NS) MORPHOC.	02 019 01	THOMSONI	FAIRMAIRE	(SY) MACROTH.	28 002 01
SABROSENSIS	REITTER	(SY) MESOCAR.	10 002 12	TIBISCINUS	CSIKI	(SS) AUTOCAR.	05 002 10
SALISBURGENSIS	KRAATZ	(SS) MEGODONT.	23 010 09	TOROSUS	FRIV	(**) LAMPROST.	29 001 00
SALMANTINUS	BOLIVAR	(SS) CHRYSOC.	26 002 11	TOROSUS	S.STR.	(NS) LAMPROST.	29 001 01
SALVANERENSIS	RAYNAUD	(HY) CHRYSOC	PAGE 35	TOMOCARABUS	REITTER	(SG) ---	13 ---
SAOUENSIS	MANDL	(SS) MORPHOC.	02 014 08	TRABUCARRIUS	FAIRMAIRE	(SY) MESOCAR.	10 004 16
SAVINICUS	HAMMER	(SS) MEGODONT.	23 005 05	TRACHYCARABUS	GEHIN	(SY) ---	02 ---
SCABRIUSCULUS	OLIVIER	(**) MORPHOC.	02 020 00	TRANSDANUBIALIS	KENYERY	(SS) ORINOCAR.	11 011 03
SCABRIUSCULUS	S.STR.	(NS) MORPHOC.	02 020 02	TRANSYLVANICUS	DEJEAN	(SS) ORINOCAR.	11 013 07
SCABROSENSIS	REITTER	(SY) MESOCAR.	10 002 11	TROBERTI	KRAATZ	(SS) CHRYSOC.	26 002 12
SCABROSUS	FABRICIUS	(SY) PROCRUS	31 002 01	TROJANUS	DEJEAN	(**) PACHYST.	15 005 00
SCABROSUS	OLIVIER	(**) PROCRUS	31 003 00	TROJANUS	S.STR.	(NS) PACHYST.	15 005 01
SCABROSUS	S.STR.	(NS) PROCRUS	31 003 01	TRUNCATICOLLIS	ESCHSCH	(**) AULONOC.	09 002 00
SCHARTOWI	HEER	(SY) MORPHOC.	02 014 06	TRUNCATICOLLIS	S.STR.	(NS) AULONOC.	09 002 01
SCHAUMI	GAUBIL	(SS) MESOCAR.	10 002 18	TRYPALSI	BREUNING	(SS) MESOCAR.	10 002 20
SCHIEDLERI	PANZER	(**) MORPHOC.	02 021 00	TRUNCULATUS	DEJEAN	(SS) AUTOCAR.	05 002 11
SCHIEDLERI	S.STR.	(NS) MORPHOC.	02 021 02	TYROLENSIS	KRAATZ	(SS) ORINOCAR.	11 002 06
SCHOENHERRI	FISCH-W	(**) PACHYCR.	24 002 00	UBINENSIS	PUISSEUR	(SS) INIOPACH.	25 001 02

UCRAINICUS	LAZORKO	(SS)	PLATYCAR.	20	004	04
ULLRICHII	GERMAR	(**)	EUCARAB.	04	008	00
ULLRICHII	COSTA	(SY)	EUCARAB.	04	004	02
ULLRICHII	S.STR.	(NS)	EUCARAB.	04	008	04
URALICUS	BORN	(SY)	MORPHOC.	02	010	01
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VACHÉRI	BASILEWSKI	(HY)	CHRYSOC.	PAGE 35		
VAFER	CSIKI	(SS)	ORINOCAR.	11	013	08
VAGANS	S.STR.	(NS)	AUTOCAR.	05	004	01
VAGANS	OLIVIER	(**)	AUTOCAR.	05	004	00
VALLIERENSIS	COLAS	(SS)	INIOPACH.	25	002	06
VALLIERENSIS	JEANNE	(SS)	CHRYSOC.	26	001	22
VARIOLARIS	MENETRIES	(SY)	PACHYST.	15	002	01
VARIOLATUS	COSTA	(SS)	PACHYST.	15	001	02
VARIOLOSUS	FABRICIUS	(**)	HYGROCAR.	18	002	00
VARIOLOSUS	S.STR.	(NS)	HYGROCAR.	18	002	01
VELEBITICUS	HAMPE	(SS)	ARCHICAR.	06	003	02
VENETIANUS	BERNAU	(SS)	EUCARAB.	04	001	11
VERDONENSIS	PUISSEG	(SS)	ARCHICAR.	06	004	11
VERSICOLOR	FRIVALD	(SS)	MORPHOC.	02	021	04
VIENNENSIS	KRAATZ	(SS)	PACHYST.	15	004	04
VIEIRAE	PAULINO	(SY)	MESOCAR.	10	002	15
VICIRAE	DEUVE	(SY)	MESOCAR.	10	002	15
VIOLACEUS	LINNAEUS	(**)	MEGODONT.	23	010	00
VIOLACEUS	S.STR.	(NS)	MEGODONT.	23	010	10
VITTATUS	LAPOUGE	(SS)	CHRYSOC.	26	005	04
VIVESI	JEANNE	(SY)	MESOCAR.	10	002	09
VOLGENSIS	CSIKI	(SY)	MORPHOC.	02	017	01
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WIEDEMANNI	MENETRIES	(**)	ARCHICAR.	06	008	00
WOCKEI	BORN	(SS)	MESOCAR.	10	004	19
WOLFFII	DEJEAN	(SS)	MEGODONT.	23	010	11
XAXARSI	LAPOUGE	(SS)	MESOCAR.	10	004	20
XYSTROCARABUS	REITTER	(SY)		04	---	--
ZAKHARSCHEWSKII	MOTSCH.	(SY)	EUCARAB.	04	007	01
ZAWADSKII	KRAATZ	(**)	MORPHOC.	02	023	00