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ANNOTATED CHECKLIST OF FOSSIL AND RECENT SPECIES OF THE FAMILY NEMONYCHIDAE (COLEOPTERA) FROM THE WORLD FAUNA

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[Легалов А.А. Аннотированный список вымерших и рецентных видов семейства Nemonychidae (Coleoptera) мировой фауны]
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Ключевые слова: *Nemonychidae, Coleoptera, мировая фауна, аннотированный список.*

Summary. An annotated checklist of the family Nemonychidae is presented, with a key to the supraspecific taxa provided. New subtribe Brarina Legalov, subtrib.n. (type genus: *Brarus* Kuschel, 1997) of the tribe Mecomacerini Kuschel, 1994, new genera *Chinocimberis* Legalov, gen.n. (type species: *Brenthorrhinoides angustipecteris* Liu, Ren, Tan, 2006) and *Renicimberis* Legalov, gen.n. (type species: *Brenthorrhinoides latipeeteris* Liu, Ren, Tan, 2006), new subgenus *Amerocimberis* Legalov, subgen.n. (type species: *Rhinomacer pilosus* LeConte, 1876) of the genus *Cimberis* des Gozis, 1881 are described. New synonym *Paroxycorynoides* L. Arnoldi, 1977, syn.n. for *Distenorrhinus* L. Arnoldi, 1977 is presented. New systematic placements are proposed: *Metrioxenoides* Gratshev, Zherikhin, Jarzembowski, 1997, placem.n. and *Libanorhinus* Kuschel & Poinar, 1993, placem.n. are transfered from Nemonychidae incertae sedis to the tribe Mecomacerini; *Oxycorynoides lineatipunctatus* (L. Arnoldi, 1977), placem.n. and *O. retardatus* (Zherikhin, 1993), placem.n. are transfered from the genus *Belonotaris* to the genus *Oxycorynoides*. Change of status: Nanophydini L. Arnoldi, 1977, stat.n. is downgraded from subfamily to tribe. Resurrected status: Procurculionini L. Arnoldi, 1977, stat.res. 6 new combinations are proposed: *Distenorrhinus elegans* (L. Arnoldi, 1977), comb.n., *Oxycorynoides lineatipunctatus* (L. Arnoldi, 1977), comb.n., *O. retardatus* (Zherikhin, 1993), comb.n., *Chinocimberis angustipecteris* (Liu, Ren, Tan, 2006), comb.n., *Ch. magnoculi* (Liu, Ren, Tan, 2006), comb.n. and *Renicimberis latipeeteris* (Liu, Ren, Tan, 2006), comb.n.

Резюме. Составлен систематический список семейства Nemonychidae. Представлен определитель надвидовых таксонов. Описаны новая подтриба Brarina Legalov, subtrib.n. (типовой род: *Brarus* Kuschel, 1997) трибы Mecomacerini Kuschel, 1994, новые рода *Chinocimberis* Legalov, gen.n. (типовой вид: *Brenthorrhinoides angustipecteris* Liu, Ren, Tan, 2006) и *Renicimberis* Legalov, gen.n. (типовой вид: *Brenthorrhinoides latipeeteris* Liu, Ren, Tan, 2006), а также новый подрод *Amerocimberis* Legalov, subgen.n. (типовой вид: *Rhinomacer pilosus* LeConte, 1876) рода *Cimberis* des Gozis, 1881. *Paroxycorynoides* L. Arnoldi, 1977, syn.n. сведен в синонимы к *Distenorrhinus* L. Arnoldi, 1977. Изменено систематическое положение родов *Metrioxenoides* Gratshev, Zherikhin, Jarzembowski, 1997, placem.n. и *Libanorhinus* Kuschel & Poinar, 1993, placem.n. (из Nemonychidae incertae sedis в трибу Mecomacerini) и видов *Oxycorynoides lineatipunctatus* (L. Arnoldi, 1977), placem.n. и *O. retardatus* (Zherikhin, 1993), placem.n. (из рода *Belonotaris* в род *Oxycorynoides*). Изменен систематический статус Nanophydini L. Arnoldi, 1977, stat.n. (из подсемейства до трибы). Восстановлен систематический статус Procurculionini L. Arnoldi, 1977, stat.res. Установлены 6 новых комбинаций: *Distenorrhinus elegans* (L. Arnoldi, 1977), comb.n., *Oxycorynoides lineatipunctatus* (L. Arnoldi, 1977), comb.n., *O. retardatus* (Zherikhin, 1993), comb.n., *Chinocimberis angustipecteris* (Liu, Ren, Tan, 2006), comb.n., *Ch. magnoculi* (Liu, Ren, Tan, 2006), comb.n. и *Renicimberis latipeeteris* (Liu, Ren, Tan, 2006), comb.n.

INTRODUCTION

Family Nemonychidae, which had emerged in the Jurassic, is the most primitive family of the superfamily Curculionoidea [Kuschel, 1983; Legalov, 2006; Zherikhin, 1993]. The majority of recent Nemonychidae develop in the sporophylls inside dehiscing male conifer strobili of coniferous [Oberprieler, Marvaldi, Anderson, 2007].

Family Nemonychidae comprises 128 described species in 45 genera; the group is divisible into 6 subfamilies with 8 tribes. 72 recent species of the family Nemonychidae are distributed in North Africa, Europe, Caucasus, Asia minor, Middle, Central and North Asia, North, Central and South America, Australia, New Guinea, New Caledonia and New Zealand (fig. 1). The fossil forms (56 described and few undescribed) are known from Europe (Cretaceous: England, Spain), Central (Jurassic: Kazakhstan; Cretaceous: Mongolia) and North Asia (Cretaceous: Russia), North America (Eocene: USA: Green River) and South America (Cretaceous: Brazil) (fig. 2). 46 species are described from the Jurassic, 7 species from the Cretaceous and 3 species from Jurassic or Cretaceous.

In this study the data from the following works were used: Alonso-Zarazaga & Lyal [1999]; Bedel [1882-1888]; Arnoldi [1977]; Biondi [1994]; Blatchley & Leng [1916]; Dalla Torre & Voss [1937]; Desbrochers des Loges [1869]; Dieckmann [1974]; Gratshev & Zherichin [1995, 1996, 2000, 2003]; Gratshev, Zherikhin, Jarzembowski [1997]; Hamilton [1983, 1994]; Kizub & Nazarenko [2005]; Kuschel [1954, 1959, 1983, 1989, 1993, 1994, 1995, 2000, 2003]; Kuschel & Poinar [1993]; Kuschel & May [1997]; Lea [1926]; LeConte [1876, 1880]; Legalov [1998, 2002, 2009]; Legalov & Opanassenko [2000]; Legalov & Sitnikov [2000]; Legalov & Telnov [2004]; Liu, Ren, Shih [2006]; Liu, Ren, Tan [2006]; Morris [1990]; Morrone [1997]; O'Brien & Wibmer [1982]; Opanassenko [1973, 1976]; Ponomarenko, Zherikhin, Kirejtshuk [2004]; Reitter [1916]; Ren [1995]; Schilsky [1903]; Semenov [1900]; Solsky [1880]; Ter-Minassian [1984]; Thompson [1992]; Voss [1922, 1932, 1937, 1952, 1965, 1974]; Wibmer &

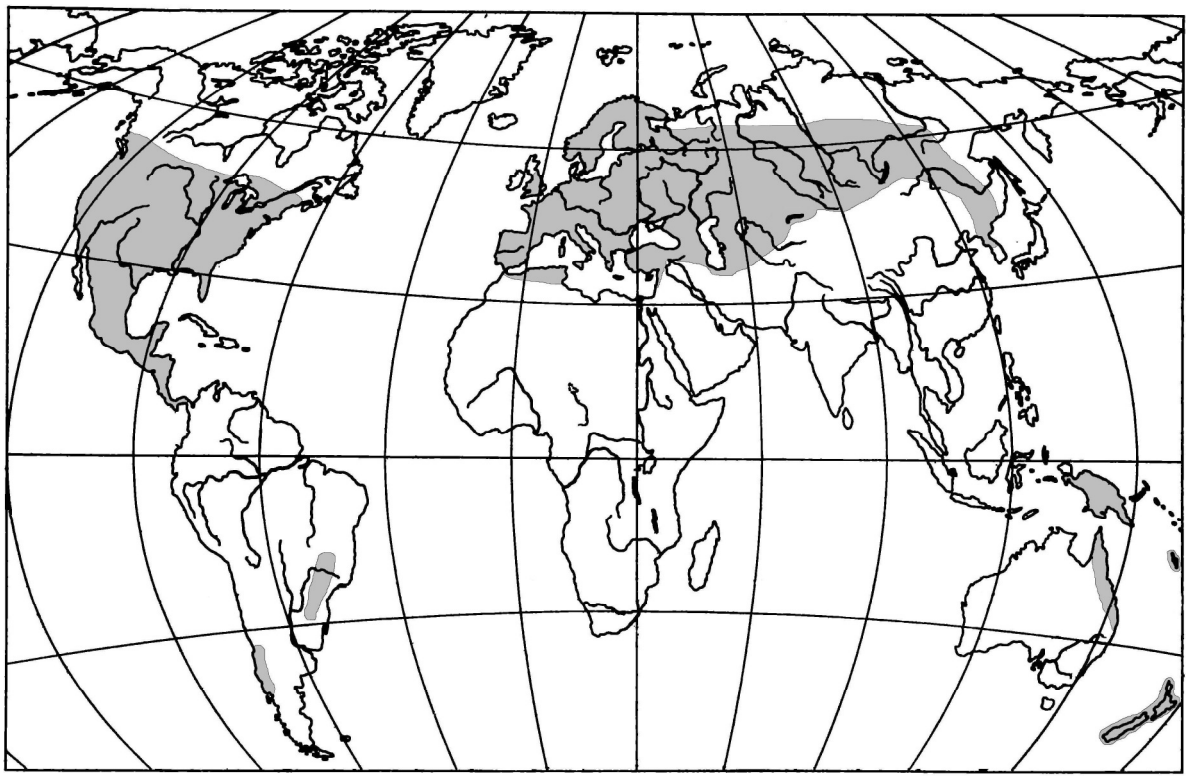

Fig. 1. Distribution of recent Nemonychidae.
Рис. 1. Распространение современных видов Nemonychidae.

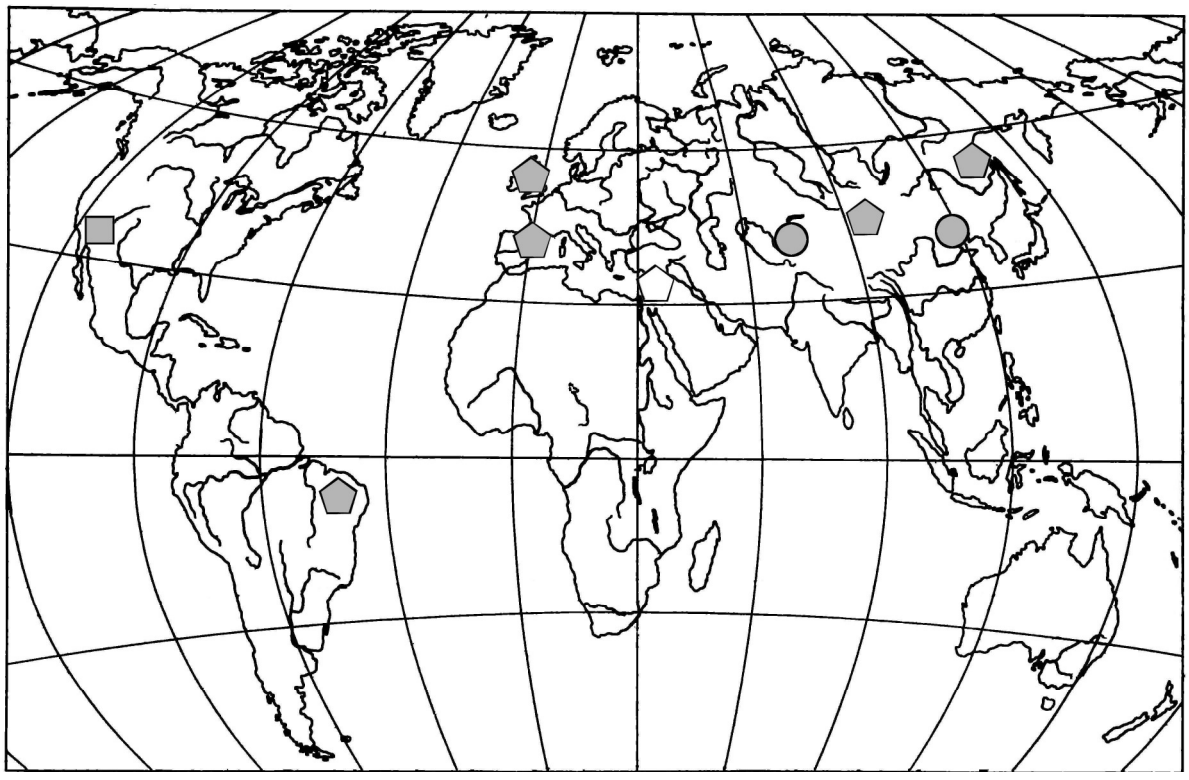

Fig. 2. Distribution of fossil Nemonychidae.
Circle – locations of the finds of Jurassic taxa, pentagon – locations of the finds of Cretaceous taxa, square – location of the find of Eocene taxa.
Рис. 2. Распространение ископаемых видов Nemonychidae.
Кружок – находки юрских таксонов, пятиугольник – меловых, квадрат – эоценовых таксонов.

O'Brien [1986]; Zherikhin [1986, 1993]; Zherichin & Gratshev [2003, 2004] etc.

RESULTS

Family Nemonychidae Bedel, 1820

Key to supraspecific taxa of the family Nemonychidae

1. Procoxae located in the middle or closer to apical margin of prothorax. (Brenthorrhininae) …….. 2
– procoxae located closer to basal margin of prothorax …… 9
2. Procoxae located closer to apical margin of prothorax. Mandibles narrow. (Procurculionini) ……. 3
– procoxae located in the middle of prothorax. Mandibles wide. (Brenthorrhinini) ……..4
3. 1st-2nd segments of funicle widened. Femora narrow. ……..... *Pseudobrenthorrhinus*
– 1st-2nd segments of funicle not widened. Femora widened ……... *Procurculio*
4. Antennae inserted subapically. Rostrum weakly elongated ……... *Brenthorrhinus*
– antennae inserted on the middle or beyond the middle of rostrum. Rostrum long ……..... 5
5. Body narrower. Pronotum without lateral carina or with weak lateral carina. (*Distenorrhinus*) ……6
– body wider. Pronotum with strong lateral carina …. 8
6. Protibiae widened, biconcave. Profemora strongly widened …….. *Parabrenthorrhinus*
– tibiae narrow, straight. Profemora weakly widened or not widened ……...7
7. Larger (greater than 5 mm in length). Rostrum shorter. *Asternorrhinus*
– smaller (less than 5 mm). Rostrum longer ……. ……... *Distenorrhinus* s. str.
8. Anterior margin of prothorax strongly curved. Labrum elongated ……. *Microbrenthorrhinus*
– anterior margin of prothorax straight. Labrum not elongated ……... *Megabrenthorrhinus*
9. Antennae inserted in the base third of rostrum or submedially ……. 10
– antennae inserted subapically …… 22
10. Antennae inserted in the base third of rostrum. Elytra without striae. Mandibles inserted dorsally. (Doydirhynchinae) …….. 11
– antennae inserted in the middle of rostrum. Elytra with striae. (Eobelinae) ……12
11. Labrum large, subquadrate. Maxillary palps 4-segmented. 4th ventrite in females with one or two sex patches ……... *Lecontellus*
– labrum very small, strongly transverse. Maxillary palps 3-segmented. Ventrites in females without sex patches …… *Doydirhynchus*
12. Metathorax short. 5th ventrite elongated. (Nanophydini) ……. *Nanophydes*
– metathorax long. 5th ventrite not elongated …….. 13
13. Rostrum thin and long. Pronotum with weak lateral carinae. Larger (6.2-10.2 mm). (Eobelini) …….. 14
– rostrum thicker and short. Pronotum with sharper lateral carinae. Smaller (2.1-5.5 mm). (Oxycorynoidini) ……... 18
14. Profemora not widened …….. *Eobelus*
– profemora widened ……. 15
15. 1st segment of protarsi widened and elongated. ……..……. *Archaeorrhynchus*
– 1st segment of protarsi of usual shape …… 16
16. Metatibiae biconcave, with long mucro ….. *Probelus*
– metatibiae almost straight or weakly curved, without long mucro ……...17
17. Rostrum straight. Elytra flattened …….... *Probelopsis*
– rostrum curved. Elytra weakly convex ... *Belonotaris*
18. Body elongated ……... *Microprobelus*
– body wider ……. 19
19. Tibiae curved …… *Scelocamptus*
– tibiae straight ……. 20
20. Profemora widened …… *Ampliceps*
– profemora not widened ……... 21
21. Eyes small. Tarsi not elongated …….. *Oxycorynoides*
– eyes large. Tarsi elongated ……. *Cratomacer*
22. Elytra without striae. Claws with or without teeth ….. ……. 23
– elytra with distinct striae. Claws with teeth. (Rhinorhynchinae) ……..28
23. Rostrum short. Claws with teeth. Mesocoxal cavities open laterally to pleurites. (Nemonychinae) …… . *Nemonyx*
– rostrum long. Claws without teeth. Mesocoxal cavities closed. (Cimberindinae) ……... 24
24. Pronotum wide ……..... *Chinocimberis*
– pronotum narrower ……..25
25. Mandibles curved at the outer edge in dorsal and lateral view, each armed with a strong tooth at the inner edge. (*Cimberis*) * ……26
– mandibles angulate at the outer edge in dorsal or lateral view, in both unarmed at the inner edge ……..27
26. Antennae inserted near apex of rostrum in males and females. Labrum almost rectangular ……... *Cimberis* s. str.
– antennae inserted closer to apex of rostrum in males than in females. Labrum almost trapezoidal …… *Amerocimberis*
27. Labrum trapezoidal or broadly rounded at apex. Setiferous sex patches usually present at one or two ventrites in females* …….. *Pityomacer*
– labrum triangular, pointed at apex. Setiferous sex patches absent in females …… *Acromacer*
28. Antennae inserted closer to apex of rostrum. Labrum with 3 or more pairs of setae. (Mecomacerini) ….. 29
– antennae inserted further from apex of rostrum. Labrum with 2 pairs of setae. (Rhinorhynchini) ……...39
29. Rostrum reduced. Tibiae widened. (Brarina) .... *Brarus*
– rostrum long. Tibiae not widened. (Mecomacerina) .. ……..30
30. Pronotum wide. Striae of elytra weak …. *Renicimberis*
– pronotum narrower ……..31
31. Points in elytral striae large ……32
– points in elytral striae small …… 33
32. Rostrum long. Eyes smaller. Head and pronotum small punctuate ……. *Libanorhinus*
– rostrum short. Eyes larger. Head and pronotum largely punctuate ……..... *Metrioxenoides*
33. Rostrum much longer than pronotum

…….. *Rhynchitoplesius*
– rostrum shorter than pronotum or of equal length …...34
34. Rostrum narrowed before basis…... *Rhynchitomacerinus*
– rostrum not narrowed before basis ……. 35
35. Rostrum not widened at apex, stronger flattened … 36
– rostrum widened at apex, weaker flattened ……. 37
36. Frons considerably broader than rostrum behind antennal insertions. Rostrum distinctly saddled against frons, cylindrical at middle of postrostrum, more than 1.7 times longer than apical width. Elytral colouring alike in both sexes** ……... *Eutactobius*
– frons as broad as width of rostrum behind antennal insertions. Rostrum not saddled (not depressed in lateral view) against frons, tapering toward apex in dorsal and lateral views, less than 1.7 times longer than apical width. Elytra uniformly black in ♂ and at least partly reddish brown in ♀ ……... *Bunyaeus*
37. Pronotum transversal …….. *Aragomacer*
– pronotum longer than wide ……..38
38. Rostrum narrower, stronger widened at apex …….. *Mecomacer*
– rostrum wider, weaker widened at apex …. *Notomacer*
39. Rostrum strongly widened at apex. Antennae inserted closer to rostrum apex …….. *Rhynchitomacer*
– rostrum weakly widened at apex. Antennae inserted further to rostrum apex …… 40
40. Mandibles bifurcated at apex ……. *Nannomacer*
– mandibles acuminate at apex ……...41
41. Frons very wide ……... 42
– frons less widened ……..…….. 43
42. Prosternal process in males directed forward. Larger (3.0-4.2 mm). Body wider ……... *Atopomacer*
– prosternal process in males directed to procoxae. Smaller (1.5-2.7 mm). Body narrower ... *Rhinorhynchus*
43. Mesonotum with 2 symmetrical stridulatory files** ..... *Basiliorhinus*
– mesonotum with 1 stridulatory file or 2 asymmetrical files 44
44. Rostrum deeply saddled at the base. Postrostrum with forward-directed pubescence. Frons much wider between eyes than apex of rostrum. Internal sac of aedeagus with 1 pair of sclerites** ..... *Basiliogeus*
– rostrum shallowly saddled at the base. Postrostrum with pubescence directed backwards. Frons not wider between eyes than apex of rostrum. Internal sac of aedeagus with 2 pairs of sclerites ..... *Pagomacer*

*by Kuschel [1989]
**by Kuschel [1994]

Subfamily Eobelinae L. Arnoldi, 1977

Eobelidae L. Arnoldi, 1977: 144

Tribe Eobelini L. Arnoldi, 1977

Eobelidae L. Arnoldi, 1977: 144

Genus *Archaeorrhynchus* Martynov, 1926

Archaeorrhynchus Martynov, 1926: 23
Type species: *Archaeorrhynchus tenuicornis* Martynov, 1926

***Archaeorrhynchus acutirostris* L. Arnoldi, 1977**
Archaeorrhynchus acutirostris L. Arnoldi, 1977: 148
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Archaeorrhynchus latitarsis* L. Arnoldi, 1977**
Archaeorrhynchus latitarsis L. Arnoldi, 1977: 150
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Archaeorrhynchus paradoxopus* L. Arnoldi, 1977**
Archaeorrhynchus paradoxopus L. Arnoldi, 1977: 149
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Archaeorrhynchus tenuicornis* Martynov, 1926**
Archaeorrhynchus tenuicornis Martynov, 1926: 25
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Belonotaris* L. Arnoldi, 1977

Belonotaris L. Arnoldi, 1977: 154
Type species: *Belonotaris punctatissimus* L. Arnoldi, 1977

***Belonotaris karatavicus* L. Arnoldi, 1977**
Belonotaris karatavicus L. Arnoldi, 1977: 156
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Belonotaris punctatissimus* L. Arnoldi, 1977**
Belonotaris punctatissimus L. Arnoldi, 1977: 155
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Eobelus* L. Arnoldi, 1977 (Col. pl. I, a)

Eobelus L. Arnoldi, 1977: 147
Type species: *Eobelus longipes* L. Arnoldi, 1977

***Eobelus longipes* L. Arnoldi, 1977**
Eobelus longipes L. Arnoldi, 1977: 147
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Probelopsis* L. Arnoldi, 1977

Probelopsis L. Arnoldi, 1977: 153
Type species: *Probelopsis acutiapex* L. Arnoldi, 1977

***Probelopsis acutiapex* L. Arnoldi, 1977**
Probelopsis acutiapex L. Arnoldi, 1977: 154
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Probelus* L. Arnoldi, 1977

Probelus L. Arnoldi, 1977: 151
Type species: *Probelus curvispinus* L. Arnoldi, 1977

***Probelus curvispinus* L. Arnoldi, 1977**
Probelus curvispinus L. Arnoldi, 1977: 151
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Probelus longitarsus* L. Arnoldi, 1977**
Probelus longitarsus L. Arnoldi, 1977: 152
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Probelus tibialis* L. Arnoldi, 1977**
Probelus tibialis L. Arnoldi, 1977: 152
Distribution. Late Jurassic (Kazakhstan: Karatau).

Tribe Oxycorynoidini L. Arnoldi, 1977

Oxycorynoidinae L. Arnoldi, 1977: 159

Genus *Ampliceps* L. Arnoldi, 1977

Ampliceps L. Arnoldi, 1977: 166
Type species: *Ampliceps dentitibia* L. Arnoldi, 1977

***Ampliceps dentitibia* L. Arnoldi, 1977**
Ampliceps dentitibia L. Arnoldi, 1977: 166

Distribution. Late Jurassic (Kazakhstan: Karatau).

***Ampliceps furcitibia* L. Arnoldi, 1977**
Ampliceps furcitibia L. Arnoldi, 1977: 167
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Cratomacer* Zherichin & Gratshev, 2004
Cratomacer Zherichin & Gratshev, 2004: 59
Type species: *Cratomacer immersus* Zherichin & Gratshev, 2004

***Cratomacer ephippiger* Zherichin & Gratshev, 2004**
Cratomacer ephippiger Zherichin & Gratshev, 2004: 61
Distribution. Early Cretaceous (Brazil: Santana).

***Cratomacer immersus* Zherichin & Gratshev, 2004**
Cratomacer immersus Zherichin & Gratshev, 2004: 60
Distribution. Early Cretaceous (Brazil: Santana).

Genus *Oxycorynoides* L. Arnoldi, 1977 (Col. pl. I, d)
Oxycorynoides L. Arnoldi, 1977: 159
Type species: *Oxycorynoides similis* L. Arnoldi, 1977

***Oxycorynoides brevipes* L. Arnoldi, 1977**
Oxycorynoides brevipes L. Arnoldi, 1977: 160
Distribution. Late Jurassic (Kazakhstan: Karatau).

***Oxycorynoides lineatipunctatus* (L. Arnoldi, 1977), comb.n., placem.n.**
Belonotaris lineatipunctatus L. Arnoldi, 1977: 155
Distribution. Late Jurassic (Kazakhstan: Karatau).
Remarks. This species and *Belonotaris retardatus* belong to the genus *Oxycorynoides* judging by shorter rostrum and by small size of body.

***Oxycorynoides mongolicus* Zherikhin, 1986**
Oxycorynoides mongolicus Zherikhin, 1986: 107
Distribution. Early Cretaceous (Mongolia).

***Oxycorynoides ponomarenkoi* L. Arnoldi, 1977**
Oxycorynoides ponomarenkoi L. Arnoldi, 1977: 161
Distribution. Late Jurassic (Kazakhstan: Karatau).

***Oxycorynoides retardatus* (Zherikhin, 1993), comb.n., placem.n.**
Belonotaris retardatus Zherikhin, 1993: 21
Distribution. Early Cretaceous (Khabarovskii krai: Khetana).

***Oxycorynoides rohdendorfi* L. Arnoldi, 1977**
Oxycorynoides rohdendorfi L. Arnoldi, 1977: 161
Distribution. Late Jurassic (Kazakhstan: Karatau).

***Oxycorynoides similis* L. Arnoldi, 1977**
Oxycorynoides similis L. Arnoldi, 1977: 159
Distribution. Late Jurassic (Kazakhstan: Karatau).

***Oxycorynoides zherichini* L. Arnoldi, 1977**
Oxycorynoides zherichini L. Arnoldi, 1977: 162
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Microprobelus* Liu, Ren, Shih, 2006
Microprobelus Liu, Ren, Shih, 2006: 885
Type species: *Microprobelus liuae* Liu, Ren, Shih, 2006

***Microprobelus liuae* Liu, Ren, Shih, 2006**
Microprobelus liuae Liu, Ren, Shih, 2006: 886
Distribution. Late Jurassic (China: Liaoning Prov.).

Genus *Scelocamptus* L. Arnoldi, 1977
Scelocamptus L. Arnoldi, 1977: 164
Type species: *Scelocamptus tenuirostris* L. Arnoldi, 1977

***Scelocamptus curvipes* L. Arnoldi, 1977**
Scelocamptus curvipes L. Arnoldi, 1977: 165
Distribution. Late Jurassic (Kazakhstan: Karatau).

***Scelocamptus tenuirostris* L. Arnoldi, 1977**
Scelocamptus tenuirostris L. Arnoldi, 1977: 164
Distribution. Late Jurassic (Kazakhstan: Karatau).

Tribe Nanophydini L. Arnoldi, 1977, stat.n.
Nanophydinae L. Arnoldi, 1977: 173

Genus *Nanophydes* L. Arnoldi, 1977 (Col. pl. I, c)
Nanophydes L. Arnoldi, 1977: 173
Type species: *Nanophydes ovatus* L. Arnoldi, 1977

***Nanophydes ovatus* L. Arnoldi, 1977**
Nanophydes ovatus L. Arnoldi, 1977: 173
Distribution. Late Jurassic (Kazakhstan: Karatau).

Subfamily Doydirhynchinae Pierce, 1916
Doydirhynchoidea Pierce, 1916: 463
Type genus: *Doydirhynchus* Dejean, 1821

Genus *Doydirhynchus* Dejean, 1821
Doydirhynchus Dejean, 1821: 79
Type species: *Rhynchites austriacus* Olivier, 1807
Diodyrhynchus Schoenherr, 1833: 240
Type species: *Rhynchites austriacus* Olivier, 1807
Doedycorhynchus Labram & Imhoff, 1843: 3
Type species: *Rhynchites austriacus* Olivier, 1807
Doedycorrhynchus Bedel, 1883: 18
Type species: *Rhynchites austriacus* Olivier, 1807

***Doydirhynchus austriacus* (Olivier, 1807)**
Rhynchites austriacus Olivier, 1807: 27
Doydirhynchus austriacus v. *castaneus* Germar, 1833: 242
Diodyrhynchus karamani Stierlin, 1886: 229;
Diodyrrhynchus austriacus cilicicus Daniel & Daniel, 1903: 327;
Diodyrhynchus austriacus v. *lutescens* Schilsky, 1903: 92
Diodyrrhynchus austriacus v. *pallidicolor* Pic, 1905: 190
Diodyrrhynchus austriacus v. *fulvipennis* Reitter, 1916: 260
Diodyrrhynchus austriacus f. *testacea* Voss, 1932: 72
Distribution. Western Palaearctic.
Host plants. *Pinus halepensis*, *P. pinaster*, *P. sylvestris*, *P. uncinata* [Dieckmann, 1974; Kuschel, 1993].

***Doydirhynchus bicolor* Pic, 1905**
Diodyrrhynchus austriacus v. *bicolor* Pic, 1905: 190
Diodyrrhynchus austriacus v. *testaceus* Pic, 1905: 190
Distribution. Northern Africa.
Host plants. Unknown.

Genus *Lecontellus* Kuschel, 1989
Lecontellus Kuschel, 1989: 125
Type species: *Doydirhynchus byturoides* LeConte, 1880

***Lecontellus byturoides* (LeConte, 1880)**
Dioyrhynchus byturoides LeConte, 1880: 215
Distribution. USA.

Host plants. *Pinus ponderosa, P. radiata* [Kuschel, 1989].

***Lecontellus pinicola* Kuschel, 1989**
Lecontellus pinicola Kuschel, 1989: 156
Distribution. USA (California).
Host plants. *Pinussabiniana* [Kuschel, 1989].

***Lecontellus sleveni* (Martin, 1930)**
Diodyrhynchus sleveni Martin, 1930: 130
Distribution. USA (California).
Host plants. Unknown.

Subfamily Nemonychinae Bedel, 1820

Nemonychidae Bedel, 1820: 3
Type genus: *Nemonyx* Redtenbacher, 1845

Genus *Nemonyx* Redtenbacher, 1845

Nemonyx Redtenbacher, 1845: 96
Type species: *Rhinomacer lepturoides* Fabricius, 1801
Nematonyx Agassiz, 1846: 247
Type species: *Rhinomacer lepturoides* Fabricius, 1801

***Nemonyx canescens* Solsky, 1881**
Nemonyx canescens Solsky, 1881: 263
Distribution. Kazakhstan, Uzbekistan, Turkmenistan.
Host plants. *Consolida camptocarpa* [Ter-Minassian, 1984; Kuschel, 1993].

***Nemonyx lepturoides* (Fabricius, 1801)**
Rhinomacer lepturoides Fabricius, 1801: 429
Nemonyx grisescens Reitter, 1899: 209
Distribution. Western Palaearctic.
Host plants. *Consolida regalis*, *C. paniculata*, *C. divariacata* [Dieckmann, 1974; Ter-Minassian, 1984; Biondi, 1994; Kuschel, 1993].

***Nemonyx scutellatus* Abeille, 1901**
Nemonyx scutellatus Abeille, 1901: 234
Distribution. Tunisia.
Host plants. Unknown.

***Nemonyx semirufus* Pic, 1898**
Nemonyx semirufus Pic, 1898: 74
Nemonyx variicolor Abeille, 1898: 258
Distribution. Algeria.
Host plants. *Delphinium peregrinum* [Kuschel, 1993].

Subfamily Cimberindinae des Gozis, 1882

Cimberidae des Gozis, 1882: 58
Type genus: *Cimberis* des Gozis, 1881

Tribe Cimberindini des Gozis, 1882

Cimberidae des Gozis, 1882: 58
Type genus: *Cimberis* des Gozis, 1881

Genus *Chinocimberis* Legalov, gen.n.

Type species: *Brenthorrhinoides angustipecteris* Liu, Ren, Tan, 2006
Remarks. For the description, see that of *Brenthorrhinoides angustipecteris* and *B. magnoculi* [Liu, Ren, Tan, 2006: 608-609.
Diagnosis. The new genus is close to genus *Cimberis* but differs by the wide pronotum.
Etymology. The name is formed from the words "Chinese" and "cimberis".

***Chinocimberis angustipecteris* (Liu, Ren, Tan, 2006), comb.n.**
Brenthorrhinoides angustipecteris Liu, Ren, Tan, 2006: 607
Distribution. Late Jurassic or Early Cretaceous (China: Liaoning Prov.).

***Chinocimberis magnoculi* (Liu, Ren, Tan, 2006), comb.n.**
Brenthorrhinoides magnoculi Liu, Ren, Tan, 2006: 607
Distribution. Late Jurassic or Early Cretaceous (China: Liaoning Prov.).

Genus *Cimberis* des Gozis, 1881

Cimberis des Gozis, 1881: 112
Type species: *Rhinomacer attelaboides* Fabricius, 1787
Rhinomacer Olivier, 1807: 457 nec Geoffroy, 1762
Type species: *Rhinomacer attelaboides* Fabricius, 1787
Neocimberis O'Brien & Wibmer, 1982: 3, 18
Type species: *Rhinomacer attelaboides* Fabricius, 1787

Subgenus *Cimberis* s. str.

***Cimberis* (*Cimberis*) *attelaboides* (Fabricius, 1787)**
Rhinomacer attelaboides Fabricius, 1787: 123
Curculio rhinomacer Paykull, 1792: 126
Cimberis attelaboides v. *canescens* Semenov, 1900: 129
Remarks. Male from the collection of Zoological Institute, Russian Academy of Sciences, St. Petersburg, with label "N. Korea, prov., South Hampyong, Toxong-Omdonzi, 1800 m, 27.V.1990, S.V. Murzin" is the easternmost record of Nemonychidae in Eurasia.
Distribution. Eurasia.
Host plants. *Pinus nigra, P. pinaster*, *P. sylvestris*, *P. uncinata* [Dieckmann, 1974; Opanassenko, 1976; Perris, 1856; Kuschel, 1993].

***Cimberis* (*Cimberis*) *elongata* (LeConte, 1876)**
Rhinomacer elongatus LeConte, 1876: 2
Distribution. Canada, USA.
Host plants. Pinus banksiana, P. contorta, P. strobes, P. taeda, P. virginiana [Kuschel, 1989].

***Cimberis* (*Cimberis*) *pallidipennis* (Blatchley & Leng, 1916)**
Rhinomacer pallidipennis Blatchley & Leng, 1916: 50
Distribution. Canada, USA.
Host plants. Unknown.

***Cimberis* (*Cimberis*) *decipiens* Kuschel, 1989**
Cimberis decipiens Kuschel, 1989: 133
Distribution. Canada, USA.
Host plants. *Pinus monticola* [Kuschel, 1989].

Subgenus *Amerocimberis* Legalov, subgen.n.

Type species: *Rhinomacer pilosus* LeConte, 1876
Description. Body brown or black, with semierect light setae. Labrum almost trapezoidal. Rostrum long, thin, weakly curved, small punctate, without carina. Apex widened, sparsely punctate, flattened. Antennae inserted closer to apex of rostrum in males than in females. Frons wide, convex, small and densely punctate. Eyes strongly convex. Vertex densely and small punctate. Temples short. Antennae long, reaching humeri. Scapus and funicle segments trapezoidal, more or less elongated. Clava not compact, elongated. 1st and 2nd segments al-

most trapezoidal. 3rd segment tear-shaped, longer than 2nd segment, weakly pointed. Pronotum almost rectangular, of equal length and width or weakly transversal, weakly narrowed to basis and apex, lustrous, small and densely punctate. Greatest width in middle. Sides almost direct. Scutellum almost rectangular, small. Elytra elongated. Humeri weakly convex. Greatest width in middle or behind middle. Intervals wide, flat, lustrous, punctate. Scutellar striole and striae absent. Thorax small and densely punctate. Prothorax in males with weak prosternal process before procoxae. Precoxal part longer than postcoxal part. Metepisternum narrow. Abdomen convex, small punctate. 1st and 2nd ventrite longer. 3rd-5th ventrite shorter. 3rd and 4th ventrites in females with sex patches. 5th ventrite wide, with weak impression in males. Legs long. Femora weakly widened. Protibiae almost straight, weakly widened to apex. Meso- and metatibiae shorter, weakly curved. Tarsi long. 1st segment elongated. 2nd segment triangular. 3rd segment bilobed. Clausal segment elongated. Claws with teeth. Length of body: 2.0-4.2 mm.

Diagnosis. The new subgenus differs from subgenus *Cimberis* s. str. by the antennae inserted closer to apex of rostrum in males than in females and almost trapezoidal labrum.

Etymology. The name is derived from the words "American" and "cimberis".

***Cimberis* (*Amerocimberis*) *pilosa* (LeConte, 1876)**
Rhinomacer pilosus LeConte, 1876: 2
Distribution. Canada, USA.
Host plants. Pinus banksiana, P. palustris, P. taeda, P. virginiana [Kuschel, 1989].

***Cimberis* (*Amerocimberis*) *compta* (LeConte, 1876)**
Rhinomacer comptus LeConte, 1876: 2
Cimberis parvulus Hatch, 1971: 336
Distribution. Canada, USA.
Host plants. Pinus ponderosa, P. sibiniana, P. virginiana [Kuschel, 1989].

***Cimberis* (*Amerocimberis*) *bihirsuta* (Hatch, 1971)**
Rhinomacer bihirsuta Hatch, 1971: 336
Distribution. Canada, USA.
Host plants. *Pinus contorta, P. ponderosa* [Kuschel, 1989].

***Cimberis* (*Amerocimberis*) *turbans* Kuschel, 1989**
Cimberis turbans Kuschel, 1989: 133
Distribution. USA.
Host plants. *Pinus contorta* [Kuschel, 1989].

Genus *Pityomacer* Kuschel, 1989

Pityomacer Kuschel, 1989: 125
Type species: *Pityomacer carmelites* Kuschel, 1989

***Pityomacer carmelites* Kuschel, 1989**
Pityomacer carmelites Kuschel, 1989: 147
Distribution. USA (California).
Host plants. Unknown.

***Pityomacer pix* Kuschel, 1989**
Pityomacer pix Kuschel, 1989: 147
Distribution. Canada, USA.
Host plants. Unknown.

***Pityomacer nugax* Kuschel, 1989**
Pityomacer nugax Kuschel, 1989: 147
Distribution. USA (California).
Host plants. *Pinus* sp. [Kuschel, 1989].

Genus *Acromacer* Kuschel, 1989

Acromacer Kuschel, 1989: 125
Type species: *Rhinomacer bombifrons* (LeConte, 1876)

***Acromacer bombifrons* (LeConte, 1876)**
Rhinomacer bombifrons LeConte, 1876: 412
Distribution. Canada, USA.
Host plants. *Pinus contorta, P. jeffreyi* [Kuschel, 1989].

Subfamily Rhinorhynchinae Voss, 1922

Rhinorhynchini Voss, 1922: 2
Type genus: *Rhinorhynchus* Sharp, 1882

Tribe Mecomacerini Kuschel, 1994

Mecomacerini Kuschel, 1994: 576
Type genus: *Mecomacer* Kuschel, 1954
Remarks. *Brenthorrhinoides latipeeteris* Liu, Ren, Tan, 2006, *Metrioxenoides pusillus* Gratshev, Zherikhin, Jarzembowski, 1997 and *Libanorhinus succinus* Kuschel & Poinar, 1993 belong to the tribe Mecomacerini because of morphological characters, the antennal attachment in the first place.

Genus *Renicimberis* Legalov, gen.n.

Type species: *Brenthorrhinoides latipeeteris* Liu, Ren, Tan, 2006: 607
Remarks. For the description, see that of *Brenthorrhinoides latipeeteris* [Liu, Ren, Tan, 2006: 608.
Diagnosis. The new genus differs from *Libanorhinus* and *Metrioxenoides* by the wide pronotum and weak striae of elytra.
Etymology. The new genus is named in honour of D. Ren.

***Renicimberis latipeeteris* (Liu, Ren, Tan, 2006), comb.n.**
Brenthorrhinoides latipeeteris Liu, Ren, Tan, 2006: 607
Distribution. Late Jurassic or Early Cretaceous (China: Liaoning Prov.).

Genus *Metrioxenoides* Gratshev, Zherikhin, Jarzembowski, 1997, placem.n.

Metrioxenoides Gratshev, Zherikhin, Jarzembowski, 1997: 323
Type species: *Metrioxenoides pusillus* Gratshev, Zherikhin, Jarzembowski, 1997

***Metrioxenoides pusillus* Gratshev, Zherikhin, Jarzembowski, 1997**
Metrioxenoides pusillus Gratshev, Zherikhin, Jarzembowski, 1997: 324
Distribution. Early Cretaceous (England).

Genus *Libanorhinus* Kuschel & Poinar, 1993, placem.n.

Libanorhinus Kuschel & Poinar, 1993: 144
Type species: *Libanorhinus succinus* Kuschel & Poinar, 1993

***Libanorhinus succinus* Kuschel & Poinar, 1993**
Libanorhinus succinus Kuschel & Poinar, 1993: 144
Distribution. Early Cretaceous (Lebanon, Amber).

Genus *Mecomacer* Kuschel, 1954
Mecomacer Kuschel, 1954: 104
Type species: *Mecomacer scambus* Kuschel, 1954

***Mecomacer collaris* (Voss, 1952)**
Rhynchitomacer collaris Voss, 1952: 177
Distribution. Argentina, Chile.
Host plants. *Araucaria araucana* [Kuschel, 1959].
***Mecomacer hirticeps* Kuschel, 1954**
Mecomacer hirticeps Kuschel, 1954: 109
Distribution. Chile.
Host plants. *Araucaria araucana* [Kuschel, 2000].
***Mecomacer ruficornis* Kuschel, 1954**
Mecomacer ruficornis Kuschel, 1954: 109
Distribution. Chile.
Host plants. *Araucaria araucana* [Kuschel, 2000].
***Mecomacer scambus* Kuschel, 1954**
Mecomacer scambus Kuschel, 1954: 108
Distribution. Argentina, Chile.
Host plants. *Araucaria araucana* [Kuschel, 2000].

Genus *Notomacer* Kuschel, 1994
Notomacer Kuschel, 1994: 577
Type species: *Notomacer araucariae* Kuschel, 1994

***Notomacer araucariae* Kuschel, 1994**
Notomacer araucariae Kuschel, 1994: 581
Distribution. New Caledonia.
Host plants. *Araucaria birmulata* [Kuschel, 1994].
***Notomacer australiae* (Lea, 1926)**
Rhinomacer australiae Lea, 1926: 362
Distribution. Australia.
Host plants. *Agathis robustus*, *A. atropurpurea* [Kuschel, 1994].
***Notomacer brittoni* Kuschel, 1994**
Notomacer brittoni Kuschel, 1994: 582
Distribution. Australia.
Host plants. Unknown.
***Notomacer caledonicus* Kuschel, 1994**
Notomacer caledonicus Kuschel, 1994: 581
Distribution. New Caledonia.
Host plants. *Araucaria culumnaris* (Kuschel, 1994).
***Notomacer eximius* Kuschel, 1994**
Notomacer eximius Kuschel, 1994: 580
Distribution. Australia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].
***Notomacer hirtulus* Kuschel, 1994**
Notomacer hirtulus Kuschel, 1994: 580
Distribution. Australia.
Host plants. *Araucaria biramulata* [Kuschel, 1994].
***Notomacer reginae* Kuschel, 1994**
Notomacer reginae Kuschel, 1994: 592
Distribution. Australia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].
***Notomacer zimmermani* Kuschel, 1994**
Notomacer zimmermani Kuschel, 1994: 581
Distribution. Australia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].

Genus *Aragomacer* Kuschel, 1994
Aragomacer Kuschel, 1994: 577
Type species: *Aragomacer leai* Kuschel, 1994

***Aragomacer grayi* Kuschel, 1994**
Aragomacer grayi Kuschel, 1994: 601
Distribution. Papua New Guinea.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].
***Aragomacer leai* Kuschel, 1994**
Aragomacer leai Kuschel, 1994: 601
Distribution. Australia.
Host plants. Agathis robusta, A. atropurpurea, Araucaria cunninghamii [Kuschel, 1994].
***Aragomacer munus* Kuschel, 1994**
Aragomacer munus Kuschel, 1994: 601
Distribution. Papua New Guinea.
Host plants. *Araucaria hunsteinii* [Kuschel, 1994].
***Aragomacer papuae* Kuschel, 1994**
Aragomacer papuae Kuschel, 1994: 601
Distribution. Papua New Guinea.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].
***Aragomacer uniformis* Kuschel, 1994**
Aragomacer uniformis Kuschel, 1994: 601
Distribution. Australia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].

Genus *Eutactobius* Kuschel, 1994
Eutactobius Kuschel, 1994: 577
Type species: *Eutactobius puellus* Kuschel, 1994

***Eutactobius puellus* Kuschel, 1994**
Eutactobius puellus Kuschel, 1994: 610
Distribution. Asutralia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].

Genus *Bunyaeus* Kuschel, 1994
Bunyaeus Kuschel, 1994: 578
Type species: *Bunyaeus monteithi* Kuschel, 1994

***Bunyaeus eutactae* Kuschel, 1994**
Bunyaeus eutactae Kuschel, 1994: 612
Distribution. Asutralia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].
***Bunyaeus monteithi* Kuschel, 1994**
Bunyaeus monteithi Kuschel, 1994: 612
Distribution. Asutralia.
Host plants. *Araucaria bidwilii* [Kuschel, 1994].

Genus *Rhynchitomacerinus* Kuschel, 1954
Rhynchitomacerinus Kuschel, 1954: 104
Type species: *Rhynchitomacer kuscheli* Voss, 1952

***Rhynchitomacerinus kuscheli* (Voss, 1952)**
Rhynchitomacer kuscheli Voss, 1952: 177
Distribution. Argentina, Chile.
Host plants. *Araucaria araucana* [Kuschel, 1954].

Genus *Rhynchitoplesius* Voss, 1952
Rhynchitoplesius Voss, 1952: 177
Type species: *Rhynchitomacer eximius* Voss, 1937

***Rhynchitoplesius eximius* (Voss, 1937)**
Rhynchitomacer eximius Voss, 1937: 202
Distribution. Brazil.
Host plants. Unknown.

Subtribe Brarina Legalov, subtrib.n.
Type genus: *Brarus* Kuschel, 1997
Remarks. For the description, see that of *Brarus* [Kuschel & May, 1997: 16-18].
Diagnosis. The new subtribe Brarina differs from nominative subtribe by the reduced rostrum and widened tibiae.

Genus *Brarus* Kuschel, 1997
Brarus Kuschel, 1997: 16
Type species: *Brarus mystes* Kuschel, 1997

***Brarus mystes* Kuschel, 1997**
Brarus mystes Kuschel, 1997: 19
Distribution. Brazil.
Host plants. *Araucaria angustifolia* [Kuschel, May, 1997].

Tribe Rhinorhynchini Voss, 1922
Rhinorhynchini Voss, 1922: 2
Type genus: *Rhinorhynchus* Sharp, 1882
Rhynchitomacerini May, 1993: 15
Type genus: *Rhynchitomacer* Voss, 1937

Genus *Atopomacer* Kuschel, 1989
Atopomacer Kuschel, 1989: 125
Type species: *Atopomacer ites* Kuschel, 1989

***Atopomacer ites* Kuschel, 1989**
Atopomacer ites Kuschel, 1989: 127
Distribution. USA.
Host plants. Unknown.
***Atopomacer hondurasensis* Legalov, 2009**
Atopomacer hondurasensis Legalov, 2009: 51
Distribution. Honduras.
Host plants. Unknown.
***Atopomacer hoplites* Kuschel, 1989**
Atopomacer hoplites Kuschel, 1989: 127
Distribution. Mexico.
Host plants. *Pinus culminicola* [Kuschel, 1989].
***Atopomacer orites* Kuschel, 1989**
Atopomacer orites Kuschel, 1989: 127
Distribution. Mexico.
Host plants. *Pinus culminicola* [Kuschel, 1989].

Genus *Rhinorhynchus* Sharp, 1882
Rhinorhynchus Sharp, 1882: 88
Type species: *Rhinorhynchus zealandicus* Sharp, 1882
Rhinorrhynchus Kirby, 1884: 102
Type species: *Rhinorhynchus zealandicus* Sharp, 1882
Rhinomacer subgen. *Listrorhinus* Voss, 1922: 9
Type species: *Rhinomacer rufulus* Broun, 1880

***Rhinorhynchus halli* Kuschel, 2003**
Rhinorhynchus halli Kuschel, 2003: 21
Distribution. New Zealand.
Host plants. *Phyllocladus alpinus* [Kuschel, 2003].

***Rhinorhynchus halocarpi* Kuschel, 2003**
Rhinorhynchus halocarpi Kuschel, 2003: 20
Distribution. New Zealand.
Host plants. *Halocarpus bidwillii*, *Phyllocladus alpinus* [Kuschel, 2003].
***Rhinorhynchus phyllocladi* Kuschel, 2003**
Rhinorhynchus phyllocladi Kuschel, 2003: 20
Distribution. New Zealand.
Host plants. *Phyllocladus alpinus*, *Ph. trichomanoides*, *Manoao colensoi*, *Halocarous bidwillii*, *Podocarpus totara* [Kuschel, 2003].
***Rhinorhynchus rufulus* (Broun, 1880)**
Rhinomacer rufulus Broun, 1880: 467
Rhinorhynchus zealandicus Sharp, 1882: 88
Distribution. New Zealand.
Host plants. *Phyllocladus* sp., *Dacrycarpus* sp., *Dacrydium* sp., *Halocarpus* sp., *Lepidothamnus* sp., *Mamoao* sp., *Podocarpus* sp., *Prumnopitys* sp. [Kuschel, 2003].

Genus *Nannomacer* Kuschel, 1954
Nannomacer Kuschel, 1954: 105
Type species: *Rhynchitomacer germaini* Voss, 1952

***Nannomacer germaini* (Voss, 1952)**
Rhynchitomacer germaini Voss, 1952: 177
Distribution. Chile.
Host plants. Unknown.
***Nannomacer wittmeri* Kuschel, 1954**
Nannomacer wittmeri Kuschel, 1954: 115
Distribution. Argentina, Chile.
Host plants. *Saxegothaea conspicua* [Kuschel, 1959].

Genus *Basiliorhinus* Kuschel, 1994
Basiliorhinus Kuschel, 1994: 588
Type species: *Basiliorhinus araucariae* Kuschel, 1994

***Basiliorhinus araucariae* Kuschel, 1994**
Basiliorhinus araucariae Kuschel, 1994: 618
Distribution. Australia.
Host plants. *Araucaria bidwillii* [Kuschel, 1994].

Genus *Basilogeus* Kuschel, 1994
Basilogeus Kuschel, 1994: 578
Type species: *Basilogeus prasinus* Kuschel, 1994

***Basilogeus prasinus* Kuschel, 1994**
Basilogeus prasinus Kuschel, 1994: 621
Distribution. Australia.
Host plants. *Araucaria bidwillii* [Kuschel, 1994].
***Basilogeus striatopunctatus* (Lea, 1926)**
Auletes striatopunctatus Lea, 1926: 352
Distribution. Australia.
Host plants. *Araucaria cunninghamii* [Kuschel, 1994].

Genus *Pagomacer* Kuschel, 1994
Pagomacer Kuschel, 1994: 578
Type species: *Basilogeus deceptus* Kuschel, 1994

***Basilogeus deceptus* Kuschel, 1994**
Basilogeus deceptus Kuschel, 1994: 625
Distribution. Australia.

Host plants. Unknown.

Genus *Rhynchitomacer* Voss, 1937
Rhynchitomacer Voss, 1937: 201
Type species: *Rhynchitomacer flavus* Voss, 1937
Stenomacer Kuschel, 1954: 105
Type species: *Stenomacer vernus* Kuschel, 1954

***Rhynchitomacer apionoides* Kuschel, 1959**
Rhynchitomacer apionoides Kuschel, 1959: 241
Distribution. Argentina, Chile.
Host plants. Unknown.
***Rhynchitomacer brevicollis* Voss, 1965**
Rhynchitomacer brevicollis Voss, 1965: 329
Distribution. Argentina.
Host plants. Unknown.
***Rhynchitomacer cortesi* Kuschel, 1959**
Rhynchitomacer cortesi Kuschel, 1959: 241
Distribution. Chile.
Host plants. *Nothofagus oblicua* [Kuschel, 1959].
***Rhynchitomacer errans* Kuschel, 1959**
Rhynchitomacer errans Kuschel, 1959: 240
Distribution. Chile.
Host plants. Unknown.
***Rhynchitomacer flavus* Voss, 1937**
Rhynchitomacer flavus Voss, 1937: 201
Distribution. Chile.
Host plants. Unknown.
***Rhynchitomacer fuscus* (Kuschel, 1954)**
Stenomacer fuscus Kuschel, 1954: 124
Distribution. Argentina.
Host plants. Unknown.
***Rhynchitomacer luridus* Kuschel, 1954**
Rhynchitomacer luridus Kuschel, 1954: 118
Distribution. Argentina.
Host plants. Unknown.
***Rhynchitomacer nigrinus* Kuschel, 1954**
Rhynchitomacer nigrinus Kuschel, 1954: 118
Distribution. Argentina.
Host plants. Unknown.
***Rhynchitomacer nitidus* Kuschel, 1959**
Rhynchitomacer nitidus Kuschel, 1959: 240
Distribution. Chile.
Host plants. *Nothofagus nitida* [Kuschel, 1959].
***Rhynchitomacer puberulus* Kuschel, 1959**
Rhynchitomacer puberulus Kuschel, 1959: 241
Distribution. Argentina, Chile.
Host plants. *Nothofagus dombeyi* [Kuschel, 1959].
***Rhynchitomacer rostralis* Kuschel, 1959**
Rhynchitomacer rostralis Kuschel, 1959: 240
Distribution. Argentina.
Host plants. Unknown.
***Rhynchitomacer rufus* Kuschel, 1954**
Rhynchitomacer rufus Kuschel, 1954: 118
Distribution. Argentina.
Host plants. Unknown.
***Rhynchitomacer vernus* (Kuschel, 1954)**
Stenomacer vernus Kuschel, 1954: 124
Distribution. Chile.
Host plants. *Araucaria araucana* [Kuschel, 1954].
***Rhynchitomacer viridulus* Kuschel, 1954**
Rhynchitomacer viridulus Kuschel, 1954: 118
Rhinomacer frustatus Voss, 1974: 43
Distribution. Argentina, Chile.
Host plants. Unknown.

Subfamily Brenthorrhininae L. Arnoldi, 1977
Brenthorrhininae L. Arnoldi, 1977: 171

Tribe Procurculionini L. Arnoldi, 1977, stat.res.
Procurculionini L. Arnoldi, 1977: 157
Eccoptothoracini L. Arnoldi, 1977: 158
Remarks. This tribe is a monophyletic group. It differs from the tribe Brenthorrhinini by the subapical located procoxae and narrow mandibles. Therefore I restore it from the synonym of the tribe Brenthorrhinini.

Genus *Procurculio* L. Arnoldi, 1977 (Col. pl. 1, e)
Procurculio L. Arnoldi, 1977: 157
Type species: *Procurculio fortipes* L. Arnoldi, 1977
Eccoptothorax L. Arnoldi, 1977: 158
Type species: *Eccoptothorax latipennis* L. Arnoldi, 1977

***Procurculio fortipes* L. Arnoldi, 1977**
Procurculio fortipes L. Arnoldi, 1977: 157
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Procurculio latipennis* (L. Arnoldi, 1977)**
Eccoptothorax latipennis L. Arnoldi, 1977: 158
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Procurculio pallens* Gratshev & Zherikhin, 1995**
Procurculio pallens Gratshev & Zherikhin, 1995: 93
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Pseudobrenthorrhinus* Gratshev & Zherikhin, 1996
Pseudobrenthorrhinus Gratshev & Zherikhin, 1996: 114
Type species: *Pseudobrenthorrhinus crassicornis* Gratshev & Zherikhin, 1996

***Pseudobrenthorrhinus crassicornis* Gratshev & Zherikhin, 1996**
Pseudobrenthorrhinus crassicornis Gratshev & Zherikhin, 1996: 114
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Pseudobrenthorrhinus magnus* Gratshev & Zherikhin, 1996**
Pseudobrenthorrhinus magnus Gratshev & Zherikhin, 1996: 114
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Pseudobrenthorrhinus tenuicornis* Gratshev & Zherikhin, 1996**
Pseudobrenthorrhinus tenuicornis Gratshev & Zherikhin, 1996: 114
Distribution. Late Jurassic (Kazakhstan: Karatau).

Tribe Brenthorrhinini L. Arnoldi, 1977
Brenthorrhininae L. Arnoldi, 1977: 171
Distenorrhinini L. Arnoldi, 1977: 170

Genus *Brenthorrhinus* L. Arnoldi, 1977 (Col. pl. I, b)
Brenthorrhinus L. Arnoldi, 1977: 172
Type species: *Brenthorrhinus mirabilis* L. Arnoldi, 1977

***Brenthorrhinus brevirostris* Gratshev & Zherikhin, 1996**
Brenthorrhinus brevirostris Gratshev & Zherikhin, 1996: 115
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Brenthorrhinus longidigitatus* Ren, 1995**
Brenthorrhinus longidigitatus Ren, 1995: 90.
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Brenthorrhinus mirabilis* L. Arnoldi, 1977**
Brenthorrhinus mirabilis L. Arnoldi, 1977: 172
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Distenorrhinus* L. Arnoldi, 1977
Distenorrhinus L. Arnoldi, 1977: 170
Type species: *Distenorrhinus antennatus* L. Arnoldi, 1977
Paroxycorynoides L. Arnoldi, 1977: 168, **syn.n.**; type species: *Paroxycorynoides elegans* L. Arnoldi, 1977

Subgenus *Distenorrhinus* s. str.

***Distenorrhinus* (*Distenorrhinus*) *angulatus* L. Arnoldi, 1977**
Distenorrhinus angulatus L. Arnoldi, 1977: 170
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Distenorrhinus* (*Distenorrhinus*) *antennatus* L. Arnoldi, 1977**
Distenorrhinus antennatus L. Arnoldi, 1977: 171
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Distenorrhinus* (*Distenorrhinus*) *arnoldii* Gratshev & Zherikhin, 1995**
Distenorrhinus arnoldii Gratshev & Zherikhin, 1995: 85
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Distenorrhinus* (*Distenorrhinus*) *pallidirostris* Gratshev & Zherikhin, 1995**
Distenorrhinus pallidirostris Gratshev & Zherikhin, 1995: 85
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Distenorrhinus* (*Distenorrhinus*) *rotundicollis* Gratshev & Zherikhin, 1995**
Distenorrhinus rotundicollis Gratshev & Zherikhin, 1995: 85
Distribution. Late Jurassic (Kazakhstan: Karatau).

Subgenus *Parabrenthorrhinus* Gratshev & Zherikhin, 1996
Parabrenthorrhinus Gratshev & Zherikhin, 1996: 85
Type species: *Parabrenthorrhinus sinuatipes* Gratshev & Zherikhin, 1995

***Distenorrhinus* (*Parabrenthorrhinus*) *sinuatipes* Gratshev & Zherikhin, 1995**
Distenorrhinus sinuatipes Gratshev & Zherikhin, 1995: 85
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Distenorrhinus* (*Parabrenthorrhinus*) *xavieri* (Zherichin & Gratshev, 2003)**
Distenorrhinus xavieri Zherichin & Gratshev, 2003: 70
Distribution. Late Jurassic (Kazakhstan: Karatau).

Subgenus *Astenorrhinus* Gratshev & Zherikhin, 1995
Astenorrhinus Gratshev & Zherikhin, 1995: 85
Type species: *Distenorrhinus elongatus* Gratshev & Zherikhin, 1995

***Distenorrhinus* (*Astenorrhinus*) *elongatus* Gratshev & Zherikhin, 1995**
Distenorrhinus elongatus Gratshev & Zherikhin, 1995: 85
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Distenorrhinus* (*Astenorrhinus*) *major* Gratshev & Zherikhin, 1995**
Distenorrhinus major Gratshev & Zherikhin, 1995: 85
Distribution. Late Jurassic (Kazakhstan: Karatau).

Subgenus incertae sedis
***Distenorrhinus elegans* (L. Arnoldi, 1977), comb.n.**
Paroxycorynoides elegans L. Arnoldi, 1977: 168
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Megabrenthorrhinus* Gratshev & Zherikhin, 1996
Megabrenthorrhinus Gratshev & Zherikhin, 1996:
Type species: *Megabrenthorrhinus grandis* Gratshev & Zherikhin, 1996

***Megabrenthorrhinus grandis* Gratshev & Zherikhin, 1996**
Megabrenthorrhinus grandis Gratshev & Zherikhin, 1996: 115
Distribution. Late Jurassic (Kazakhstan: Karatau).
***Megabrenthorrhinus longicornis* Gratshev & Zherikhin, 1996**
Megabrenthorrhinus longicornis Gratshev & Zherikhin, 1996: 115
Distribution. Late Jurassic (Kazakhstan: Karatau).

Genus *Microbrenthorrhinus* Gratshev & Zherikhin, 2000
Microbrenthorrhinus Gratshev & Zherikhin, 2000b: 40
Type species: *Microbrenthorrhinus martinezi* Gratshev & Zherikhin, 2000

***Microbrenthorrhinus martinezi* Gratshev & Zherikhin, 2000**
Microbrenthorrhinus martinezi Gratshev & Zherikhin, 2000b: 41
Distribution. Early Cretaceous (Spain: Montsec Range).

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